

# PRODUCT GUIDE

CATALOGUE **2022**



**ROBE®**

T2  
PROFILE™



The evolutionary step<sup>2</sup>

**ROBE®**

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# ROBE LIGHTING





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# INTRODUCTION

Robe lighting is dedicated to providing the finest lighting solutions for the entertainment, leisure and architectural industries.

A balanced mix of innovation, imagination and experience has led to the development of a wide range of well-engineered products appropriate to all sectors. Robe's products have set the standard and earned their own reputation for being reliable and robust. They have also established themselves as an invaluable creative tool for designers, operators and programmers of all genres of lighting – from clubs to cathedrals.

This Product Guide illustrates Robe lighting's commitment to excellence and to the design and production of top quality products with real long-term investment value.

Here you will find detailed, useful, easy-to-read information on the entire Robe range that will guide you to the right product for your specific application.

Robe products are available through a dealer network.

Robe lighting welcomes your feedback as we aim to stay at the forefront of innovation and style.

## Visit us on:



<https://www.facebook.com/ROBELIGHTING>



<https://www.instagram.com/robelifting>



<https://vimeo.com/robelifting>



<https://cz.linkedin.com/company/robe-lighting-s-r-o>

# MOVING LIGHTS

A large-scale stage production, likely a musical or theatrical performance, is captured in a monochrome blue color scheme. The scene is dominated by numerous bright blue spotlights that create a dense forest of light beams across the stage and audience. In the background, a large, detailed industrial set piece, possibly a factory or shipyard, is visible. The foreground shows the silhouettes of a large audience seated in rows, looking towards the stage. The overall atmosphere is dramatic and high-tech.

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Created specifically for follow-spot operation, this custom modified version of BMFL™ comes with specific features to provide both motorised movement and manual operation with follow-spot handles. Based on the powerful BMFL™ WashBeam it blasts beams of extra bright output and has an abundance of great features.

The BMFL™ FollowSpot takes advantage of its wide 160 mm front lens and a high CRI 1.700W lamp. With a custom light source designed for Robe it produces an astounding 251.000 lx at 5 metres and has a wide zoom range of 5° to 45° with precise focusing. Manually or remotely controllable features include smooth color mixing and CTO flags, two color wheels, multiple variable frost filters, focus, zoom and quick pulsing iris. Follow-spot operation can be extended by using LightMaster handles – an optional accessory.

The BMFL™ FollowSpot is pre-wired for installation of the digital camera on the head and is connected with the new RoboSpot base station for off-stage follow-spot operation...

## Features

- Illuminance: 251.000 lx @ 5 m
- Zoom range 5°–45°
- Fast Pan & Tilt with EMS™
- 2 x Colour Wheels
- CRI 92+
- Three grades of variable frost

## Specifications

### SOURCE

Light source type:	Compact short-arc metal halide lamp
Base:	PGJX28
Approved model:	OSRAM Lok-it! HTI 1700/PS
Lifetime:	750 hours @ 1.700 W / 1.500 W / Quiet mode
CRI:	CRI 92+

Colour temperature:	6.000K
Control:	Automatic and remote on/off
Ballast:	Electronic

## OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 9:1	
Zoom range:	5°–45°
Output lens diameter:	160 mm
Dichroic glass reflector for maximising the light efficiency	
High efficient component optics	
Fixture total lumen output:	39.770 lm @ 1.700W
	36.985 lm @ 1.500W
	32.610 lm @ 1.200W (Quiet mode)
Illuminance:	251.000 lx @ 5 m

## DYNAMIC EFFECTS AND FEATURES

Cyan:	0–100 %
Magenta:	0–100 %
Yellow:	0–100 %
Variable CTO:	2.700 – 6.000K
Colour wheel 1:	6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
Colour wheel 2:	6 replaceable slot & lock dichroic colours: pink, lavender, laser green, 9000K CTB, minus half and minus green + white
Iris:	Motorized, stepless, pulse effects up to 3 Hz
Frost:	Variable Light, Medium plus replaceable Heavy (two another frosts included)
Motorized zoom and focus	
Shutter:	Separate dual blade system, variable strobe effect up to 10 Hz, full black out
Dimmer: Optimized dual blade system for exceptional smooth dimming	

## CONTROL AND PROGRAMMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
Protocols:	USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN REAP™ - Robe Ethernet Access Portal
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	2
Control channels:	32, 26
Pan & Tilt resolution:	16 bit
CMY & CTO:	8 bit
Iris:	8 or 16 bit
Frost:	8 bit
Zoom:	8 or 16 bit
Focus:	8 or 16 bit
Dimmer:	8 or 16 bit

## MOVEMENT

Pan movement:	540°
Tilt movement:	270°
Movement control:	Standard and Speed
Controllable speed of Pan & Tilt movement	
EMS™- Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)	

Automatic Pan & Tilt position correction

### **THERMAL SPECIFICATION**

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	170 °C (338 °F)
Minimum operating temperature:	-5 °C (23 °F)
Total heat dissipation: max. 5800 BTU/h (calculated)	

### **ELECTRICAL SPECIFICATION AND CONNECTIONS**

Power supply:	Electronic auto-ranging
Input voltage range:	200-240 V, 50/60 Hz
Power consumption:	max. 2.000W
Power in connector:	Neutrik powerCON
DMX and RDM data in/out :	Locking 3-pin & 5-pin XLR
Ethernet port in:	RJ45

### **APPROVALS**

MCE Compliant  
cETLus Compliant

### **MECHANICAL SPECIFICATION**

Height:	813 mm (32")
Width:	483 mm (19")
Depth:	335 mm (13.2")
Weight:	35 kg (77.2 lbs)
Ingress protection rating:	IP20

### **RIGGING**

Mounting positions:	0°, 32°, 90°
Universal operating position	
Mounting points:	5 pairs of 1/4-turn locking points
2 x Omega adaptors with 1/4 turn quick locks	
Safety cable attachment point	
Pan & Tilt transport locks	

### **INCLUDED ITEMS**

User Manual  
Omega Adaptor CL-regular 2 pcs  
Power cord including powerCON In connector

### **OPTIONAL ACCESSORIES**

Lamp Osram Lok-it HTI 1700/PS:	14080049
BMFL Handles - 2 pcs in box:	10980233
BMFL Side Handle:	10980396
RoboSpot Camera:	10080311
Doughty Trigger Clamp:	17030386
Safety wire 50 kg:	99011957
Single Top Loader Case:	10120226
Dual Top Loader Case:	10120227

### **LEGAL**

BMFL™ FollowSpot is a Trademark of Robe lighting s.r.o  
BMFL™ FollowSpot is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

### **ORDERING INFORMATION**

#### **EU Model including RoboSpot Camera:**

Cardboard:	10018681
Single Top Loader Case:	10518681
Dual Top Loader Case:	10718681

#### **EU Model including RoboSpot Camera with Wireless:**

Cardboard:	10018691
Single Top Loader Case:	10518691
Dual Top Loader Case:	10718691



BMFL™ FollowSpot LT - A compact, affordable solution for the larger arena.

Further adding to the ground breaking RoboSpot system, the FollowSpot LT is designed for the larger venue that requires a longer throw distance, tighter beam and greater output power. The LT is the same size and weight as the standard BMFL™ FollowSpot, which is substantially smaller than other products of similar power. The proprietary optical design provides a 8:1 zoom ratio (1–8 degrees) and an output exceeding 455.000 lux at 5 metres. Like the standard BMFL™ FollowSpot, the LT can be operated as a manual, stand-alone follow spot using the Robe LightMaster-Side and LightMaster-Rear control kits. Similarly, the LT can be operated remotely using the Robe RoboSpot™ MDC remote follow spot system and is pre-wired for the Digital Camera. Packed with all the features you would expect from a BMFL series product, including, imperceptible colour mixing, fixed colour filters, 6000K native colour temperature, CRI>92, Variable CTO to 2700 & CTB to 9000K, fixed & variable frost filters, focus, zoom and a fast iris.

## Features

- Illuminance: 455.000 lx @ 5 m
- 2 x Colour Wheels
- Zoom range 1°–8°
- CRI 92+
- Fast Pan & Tilt with EMS™
- Three grades of variable frost

## Specifications

### SOURCE

Light source type:	Compact short-arc metal halide lamp
Base:	PGJX28
Approved model:	OSRAM Lok-it! HTI 1700/PS
Lifetime:	750 hours @ 1700 W / 1500 W / Quiet mode
CRI:	92+
Colour temperature:	6.000K
Control:	Automatic and remote on/off
Ballast:	Electronic



**OPTICAL SYSTEM**

Robe's proprietary optical design

High-efficiency zoom optical system, ratio 8:1

Zoom range: 1°–8°

Output lens diameter: 180 mm

Dichroic glass reflector for maximising the light efficiency

High efficient component optics

Fixture total lumen output: 34.600 lm @ 1700 W

32.180 lm @ 1500 W

28.370 lm @ 1200 W (Quiet mode)

Illuminance: 455.000 lx @ 5 m

**DYNAMIC EFFECTS AND FEATURES**

Cyan: 0–100 %

Magenta: 0–100 %

Yellow: 0–100 %

Variable CTO: 2.700 – 6.000K

Colour Wheel 1: 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white

Colour Wheel 2: 6 replaceable slot & lock dichroic colours: pink, lavender, laser green, 9000K CTB, minus half and minus green + white

Iris: Motorized, stepless, pulse effects up to 3 Hz

Frost: Variable Light, Medium plus replaceable Heavy (two another frosts included)

Motorized zoom and focus

Shutter: Separate dual blade system, variable strobe effect up to 10 Hz, full black out

Dimmer: Optimized dual blade system for exceptional smooth dimming

**CONTROL AND PROGRAMMING**

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN

REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio: On request

DMX protocol modes: 2

Control channels: 32, 26

Pan & Tilt resolution: 16 bit

CMY & CTO: 8 bit

Iris: 8 or 16 bit

Frost: 8 bit

Zoom: 8 or 16 bit

Focus: 8 or 16 bit

Dimmer: 8 or 16 bit

**MOVEMENT**

Pan movement: 540°

Tilt movement: 270°

Movement control: Standard and Speed

Controllable speed of Pan & Tilt movement

EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Automatic Pan & Tilt position correction

**THERMAL SPECIFICATION**

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 170 °C (338 °F)

Minimum operating temperature: -5 °C (23 °F)

Total heat dissipation: max. 5800 BTU/h (calculated)

# BMFL™ FollowSpot LT

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100–240 V, 50/60 Hz
Power consumption:	max. 2.000W
Power in connector:	Neutric powerCON
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in/out:	RJ45

## APPROVALS

cETLus Compliant

CE Compliant

## MECHANICAL SPECIFICATION

Height:	813 mm (32")
Width:	483 mm (19")
Depth:	335 mm (13.2")
Weight:	35 kg (77.2 lbs)
Ingress protection rating:	IP20

## RIGGING

Mounting positions:	0°, 32°, 90°
Universal operating position	
Mounting points:	5 pairs of 1/4-turn locking points
2 x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	
Pan & Tilt transport locks	

## INCLUDED ITEMS

User Manual
Omega Adaptor CL-regular 2 pcs
Power cord including powerCON In connector

## OPTIONAL ACCESSORIES

Lamp Osram Lok-it HTI 1700/PS:	14080049
BMFL Handles - 2 pcs in box:	10980233
BMFL Side Handle:	10980396
RoboSpot Camera:	10080311
Doughty Trigger Clamp:	17030386
Safety wire 50 kg:	99011957
Single Top Loader Case:	10120226
Dual Top Loader Case:	10120227

## LEGAL

BMFL™ FollowSpot LT is a Trademark of Robe lighting s.r.o.

BMFL™ FollowSpot LT is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model including RoboSpot Camera:

Cardboard:	10018683
Single Top Loader Case:	10518683
Dual Top Loader Case:	10718683

### EU Model including RoboSpot Camera with Wireless:

Cardboard:	10018692
Single Top Loader Case:	10518692
Dual Top Loader Case:	10718692

### US Model including RoboSpot Camera:

Cardboard:	10018684
Single Top Loader Case:	10518684
Dual Top Loader Case:	10718684



The BMFL™ – Bright Multi-Functional Luminaire – the much anticipated new lighting fixture from Robe, brings a real game changer in the world of moving lights. The BMFL™ Spot has a custom light source designed for Robe and produces a staggering powerful 250.000 lx at 5 metres – no other product currently on the market can equal this output! Despite its power and comprehensive feature set, it weighs just 36 Kgs... and has a compact body profile. The lamp produces light at a CRI of 92+, this combined with a refined optical system, 5–55 degree zoom, results in a crisp, high quality fat beam that is truly homogenised and without a hotspot. The new, high definition colour mixing technology can produce a full spectrum of colours. There are also two colour wheels which include filters that can be utilised to adjust colour temperature and improve the CRI of the white output in aging lamps. There are two rotating gobo wheels – each with six gobo positions. There are also two Rotating Prisms. The Dual Graphic Wheels both focus within the same focal plane and the rotation and movement can be individually controlled and varied... to create ultra-cool, infinitely subtle special effects. The frost and dimming functions provide further effects. Three grades of Frost are available and the dimmer is exceptionally smooth with no distortion, so the full beam width is visible right up to the point at which it disappears. The strobe effect is authentic with up to 10 flashes per second! Aimed at long-throw applications, the newly patented Robe EMS™ (Electronic Motion Stabiliser) technology, enables the BMFL™ to absorb vibrations from audio outputs, truss movement, sprung or suspended floors, etc. The BMFL™ is a very powerful, feature packed luminaire that will provide a real signature light source for any project.

## Features

- Illuminance: 250.000 lx @ 5 m
- Zoom range 5°–55°
- Dual Graphic Wheel
- Fast Pan & Tilt with EMS™
- 2 x Gobo Wheels, 2 x Colour Wheels
- Smooth CMY/CTO colour mixing
- 2 x prisms: 6-facet circular, 6-facet linear
- Three grades of variable frost

## Specifications

### SOURCE

Light source type:	Compact short-arc metal halide lamp
Base:	PGJX28
Approved model:	OSRAM Lok-it! HTI 1700/PS
Lifetime:	750 hours @ 1.700 W / 1.500 W / Quiet mode
CRI:	CRI 92+
Colour temperature:	6.000K
Control:	Automatic and remote on/off
Ballast:	Electronic

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 11:1	
Zoom range:	5°–55°
Output lens diameter:	160 mm
Dichroic glass reflector for maximising the light efficiency	
Fixture total lumen output:	40.000 lm @ 1.700W 36.500 lm @ 1.500W 32.000 lm @ 1.200W (Quiet mode)

### ELECTROMECHANICAL EFFECTS

Cyan:	0–100 %
Magenta:	0–100 %
Yellow:	0–100 %
Variable CTO:	2.700 – 6.000K
Colour wheel 1:	6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
Colour wheel 2:	6 replaceable slot & lock dichroic colours: pink, lavender, laser green, 9000K CTB, minus half and minus green + white
Rotating Gobo wheel 1:	6 rotating, indexable, replaceable slot & lock glass gobos + open
Rotating Gobo wheel 2:	6 rotating, indexable, replaceable slot & lock glass gobos + open
Dual Graphic Wheel:	two animation discs, individual control of rotation of each disc
Prism 1:	6 facet linear
Prism 2:	6 facet circular
Iris:	Motorized, stepless, pulse effects up to 3 Hz
Frost:	Variable Light, Medium and Heavy Frosts
Motorized zoom and focus	
Shutter:	Separate dual blade system, variable strobe effect up to 10 Hz, full black out
Dimmer:	Optimized dual blade system for exceptional smooth dimming

### CONTROL AND PROGRAMMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
Protocols:	USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN REAP™ - Robe Ethernet Access Portal
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	2
Control channels:	41, 33
Pan & Tilt resolution:	16 bit
CMY & CTO:	8 bit

Colour wheel positioning:	8 or 16 bit
Rotating gobo wheel positioning:	8 or 16 bit
Gobo indexing & rotation:	8 or 16 bit
Dual graphic wheel:	8 bit
Iris:	8 or 16 bit
Frost:	8 bit
Zoom:	8 or 16 bit
Focus:	8 or 16 bit
Dimmer:	8 or 16 bit

### MOVEMENT

Pan movement:	540°
Tilt movement:	270°
Movement control:	Standard and Speed
Controllable speed of Pan & Tilt movement	
EMS™- Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)	
Automatic Pan & Tilt position correction	

### ROTATING GOBOS

12 x rotating glass gobos on 2 wheels	
Outside diameter:	30.8 mm
Image diameter:	25.0 mm
Thickness:	1.1 mm
Max. thickness:	3.5 mm
High temperature borofloat or better glass	

### EFFECT WHEEL

Dual Graphic Wheel	
Material:	Aluminium
Diameter:	96 mm
Can be used alone or in combination with rotating gobos	
Rotating in both directions, variable speed	

### THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	100 °C (212 °F)
Minimum operating temperature:	-5 °C (23 °F)

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	200-240 V, 50/60 Hz
Power consumption:	max. 2.000W
Power in connector:	Neutrik powerCON
DMX and RDM data in/out :	Locking 3-pin & 5-pin XLR
Ethernet port in:	RJ45

### APPROVALS

MCE Compliant
cETLus Compliant

### MECHANICAL SPECIFICATION

Height:	813 mm (32")
Width:	483 mm (19")
Depth:	335 mm (13.2")
Weight:	36 kg (79.4 lbs)
Ingress protection rating:	IP20

### RIGGING

Mounting positions:	0°, 32°, 90°
Universal operating position	
Mounting points:	5 pairs of 1/4-turn locking points
2 x Omega adaptors with 1/4 turn quick locks	
Safety cable attachment point	
Pan & Tilt transport locks	

## INCLUDED ITEMS

User Manual

Omega Adaptor CL-regular 2 pcs

Power cord including powerCON In connector

## OPTIONAL ACCESSORIES

Lamp Osram Lok-it HTI 1700/PS:	14080049
BMFL Handles - 2 pcs in box:	10980233
BMFL Side Handle:	10980396
Omega Adaptor CL-regular 2 pcs	10980033
Doughty Trigger Clamp	17030386
Safety wire 50 kg:	99011957
Single Top Loader Case:	10120163-02
Dual Top Loader Case:	10120164-02
Foam Shell:	20020218-01

## LEGAL

BMFL™ is a Trademark of Robe lighting s.r.o.

BMFL™ Spot is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model:

Cardboard:	10018611
Single Top Loader Case:	10518611
Dual Top Loader Case:	10718611

### EU Model with Wireless:

Cardboard:	10018601
Single Top Loader Case:	10518601
Dual Top Loader Case:	10718601

### US Model:

Cardboard:	10018613
Single Top Loader Case:	10518613
Dual Top Loader Case:	10718613

Rotating Gobo Wheel 1



Rotating Gobo Wheel 2





Four fast shutter blades with smooth and precise movement in the new BMFL™ Blade lighting fixture. Individually angled and positioned within a frame – which itself can rotate through 90 degrees, providing a sharp or soft, precisely repeatable, frame for the projected image. Producing a new series of fast-moving in-air effects through pre-programmed shape and movement sequences of the blades, gobo images can be trimmed or framed in a regular, triangular or trapezoid shape. Each pair of opposing blades can close to a complete blackout. Two gobo wheels – one rotating with six slot & lock gobo positions plus another with 8 static gobos can be combined with the Animation wheel to create numerous dynamic projected effects. Add all this to the already acclaimed BMFL™ features including: exceptionally smooth linear dimming, imperceptible high definition colour mixing, full width beam, output in excess of 250.000 lx at 5 metres – and the Robe EMS™ (Electronic Motion Stabiliser) technology, enabling the BMFL™ to both move and stop faster and more precisely than any other fixture in its class – all this housed in a compact body profile weighing just 37.9 kgs.

## Features

- Illuminance: 250.000 lx @ 5m
- Zoom range 5°–55°
- Three grades of variable frost
- Fast Pan & Tilt with EMS™
- Fast and precise framing shutter module
- Smooth CMY/CTO colour mixing
- 2 x prisms: 6-facet circular, 6-facet linear
- Rotating & Static Gobo wheels

## Specifications

### SOURCE

Light source type:	Compact short-arc metal halide lamp
Base:	PGJX28
Approved model:	OSRAM Lok-it! HTI 1700/PS
Lifetime:	750 hours @ 1.700 W / 1.500 W / Quiet mode
CRI:	CRI 92+
Colour temperature:	6.000K
Control:	Automatic and remote on/off
Ballast:	Electronic

## OPTICAL SYSTEM

Robe's proprietary optical design

High-efficiency zoom optical system, ratio 11:1

Zoom range: 5–55°

Output lens diameter: 160 mm

Dichroic glass reflector for maximising the light efficiency

High efficient component optics

Fixture total lumen output: 40.000 lm @ 1.700W

36.500 lm @ 1.500W

32.000 lm @ 1.200W (Quiet mode)

## DYNAMIC EFFECTS AND FEATURES

Cyan: 0–100 %

Magenta: 0–100 %

Yellow: 0–100 %

Variable CTO: 2.700 – 6.000K

Colour Wheel 1: 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white

Colour Wheel 2: 6 replaceable slot & lock dichroic colours: pink, lavender, laser green, 9000K CTB, minus half and minus green + white

Framing shutters: 4 individually positionable blades plus rotation of the complete frame system +-45°

Rotating gobo wheel: 6 rotating, indexable, replaceable slot & lock glass gobos + open

Static gobo wheel: 8 static, replaceable slot & lock glass gobos + open

Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed

Prism 1: 6 facet linear

Prism 2: 6 facet circular

Iris: Motorized, stepless, pulse effects up to 3 Hz

Frost: Variable Light, Medium and Heavy Frosts

Motorized zoom and focus

Shutter: Separate dual blade system, variable strobe effect up to 10 Hz, full black out

Dimmer: Optimized dual blade system for exceptional smooth dimming

## CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN

REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio: On request

3 editable programs, each up to 100 steps

DMX Protocol modes: 2

Control channels: 49, 42

Pan & Tilt resolution: 16 bit

CMY & CTO: 8 bit

Colour wheel positioning: 8 or 16 bit

Framing shutters module movement & rotation: 8 bit

Rotating gobo wheel positioning: 8 bit

Gobo indexing & rotation: 8 or 16 bit

Static gobo wheel positioning: 8 bit

Animation wheel: 8 bit

Animation wheel rotation: 8 bit

Iris: 8 or 16 bit



Frost:	8 bit
Zoom:	8 or 16 bit
Focus:	8 or 16 bit
Dimmer:	8 or 16 bit

### MOVEMENT

Pan movement:	540°
Tilt movement:	270°
Movement control:	Standard and Speed
Controllable speed of Pan & Tilt movement	
EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)	
Automatic Pan & Tilt position correction	

### ROTATING GOBOS

6 x rotating glass gobos	
Outside diameter:	30.8 mm
Image diameter:	25.0 mm
Thickness:	1.1 mm
Max. thickness:	3.5 mm
High temperature borofloat or better glass	

### STATIC GOBOS

8 x static glass gobos	
Outside diameter:	30.8 mm
Max. thickness:	25.0 mm
Image diameter:	1.1 mm
Thickness:	3.5 mm
High temperature borofloat or better glass	

### EFFECT WHEEL

Single animation wheel	
Material:	Aluminium
Diameter:	109 mm
Can be used alone or in combination with rotating gobos	
Rotating in both directions, variable speed	

### FRAMING SHUTTERS SYSTEM

Shutters:	4 Blades, each with separate movement and +- 25° rotation control
Movement:	Smooth with variable speed, ultrafast blade movements for creating mid-air effects
Pre-programmed:	Shape and blade sequences
Rotation:	90° of the complete framing system

### THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	170 °C (338 °F)
Minimum operating temperature:	-5 °C (23 °F)
Total heat dissipation: max. 5800 BTU/h (calculated)	

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	200-240 V, 50/60 Hz
Power consumption:	max. 2.000W
Power in connector:	Neutrik powerCON
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in:	RJ45

### APPROVALS

CE Compliant
cETLus Compliant

### MECHANICAL SPECIFICATION

Height:	813 mm (32")
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# BMFL™ Blade

Width:	483 mm (19")
Depth:	335 mm (13.2")
Weight:	37.9 kg (83.6 lbs)
Ingress protection rating:	IP20

## RIGGING

Mounting positions:	0°, 32°, 90°
Universal operating position	
Mounting points:	5 pairs of 1/4-turn locking points
2 x Omega adaptors with 1/4 turn quick locks	
Safety cable attachment point	
Pan & Tilt transport locks	

## INCLUDED ITEMS

User Manual	
Omega Adaptor CL-regular 2 pcs	
Power cord including powerCON In connector	

## OPTIONAL ACCESSORIES

Lamp Osram Lok-it HTI 1700/PS:	14080049
BMFL Handles - 2 pcs in box:	10980233
BMFL Side Handle:	10980396
Omega Adaptor CL-regular 2 pcs:	10980033
Doughty Trigger Clamp:	17030386
Safety wire 50 kg:	99011957
Single Top Loader Case:	10120163-02
Dual Top Loader Case:	10120164-02
Foam Shell:	20020218-01

## LEGAL

BMFL™ is a Trademark of Robe lighting s.r.o.

BMFL™ Blade is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model:

Cardboard:	10018631
Single Top Loader Case:	10518631
Dual Top Loader Case:	10718631

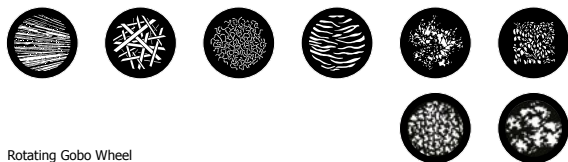
### EU Model with Wireless:

Cardboard:	10018641
Single Top Loader Case:	10518641
Dual Top Loader Case:	10718641

### US Model:

Cardboard:	10018632
Single Top Loader Case:	10518632
Dual Top Loader Case:	10718632

Static Gobo Wheel



Rotating Gobo Wheel



**Product on Request**

BMFL™ - Wash is the ultimate fresnel based 1.700W lamp based wash light with large 200 mm diameter front fresnel lens for high quality traditional wash output ranging from punchy tight 4.5° to smooth 55°. Custom interchangeable frost filters with three grades (light, medium and heavy) for extremely gentle soft touch. CMY + CTO color mixing filters for the unprecedented BMFL™ quality of color transitions and two color wheels with 6 colors each, one with custom replaceable slot & lock positions. Advanced DMX controllable edge aberration correction for smoother hues and seamless coverage.

The Optional XF module expands the features of the BMFL™ Wash with innovative internal Scrim having a graduated filter, which can be inserted to the light path and allowing rotation of the whole assembly plus/minus 180° to achieve even wash coverage when projecting onto a non-perpendicular surface and internal motorised barndoors for creating different Unixe shapes and chases which also simulates barndoor effects. The Unite module consists of four individually controllable blades and is rotatable by +/- 90°.

**Features**

- Illuminance: 125.000 lx @ 5m
- Fast and precise Beam Shapers module
- Zoom range 4,5°–55°
- Smooth CMY/CTO colour mixing
- Fast Pan & Tilt with EMS™
- Scrim module

**Specifications****SOURCE**

Light source type:	Compact short-arc metal halide lamp
Base:	PGJX28
Approved model:	OSRAM Lok-it! HTI 1700/PS
Lifetime:	750 hours @ 1.700 W / 1.500 W / Quiet mode
CRI:	CRI 92+
Colour temperature:	6.000K
Control:	Automatic and remote on/off
Ballast:	Electronic

# BMFL™ Wash / Wash XF

## OPTICAL SYSTEM

Robe's proprietary optical design

High-efficiency zoom optical system, ratio 12:1

Zoom range: 4.5–55°

Output lens diameter: 200 mm

Dichroic glass reflector for maximising the light efficiency

High efficient component optics

Fixture total lumen output: 38.000 lm @ 1.700W

32.680 lm @ 1.500W

27.630 lm @ 1.200W (Quiet mode)

Illuminance: 125.000 lx @ 5 m, 1250 lx @ 50 m

## DYNAMIC EFFECTS AND FEATURES

Cyan: 0–100 %

Magenta: 0–100 %

Yellow: 0–100 %

Variable CTO: 2.700 – 6.000K

Colour Wheel 1: 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white

Colour Wheel 2: 6 replaceable slot & lock dichroic colours: pink, lavender, laser green, 9000K CTB, minus half and minus green + white

Internal barndoors: individual position control of 4 "doors", +/- 90° module rotation (Patented)

Frost: Interchangeable – light, medium (standard), heavy

Motorized zoom

Edge colour correction

Scrim: Graduated filter position control, +/- 180° module rotation (Patented)

Shutter: Separate dual blade system, variable strobe effect up to 10 Hz, full black out

Dimmer: Optimized dual blade system for exceptional smooth dimming

## CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio: On request

DMX Protocol modes: 2

Control channels: BMFL Wash: 25, 21

BMFL Wash XF: 34, 30

CMY & CTO: 8 bit

Colour wheel positioning: 8 or 16 bit

Internal barndoor module movement & rotation: 8 bit

Scrim: 8 bit

Frost: 8 bit

Zoom: 8 or 16 bit

Edge colour correction: 8 bit

Dimmer: 8 or 16 bit

## MOVEMENT

Pan movement: 540°

Tilt movement: 270°

Movement control: Standard and Speed

Controllable speed of Pan & Tilt movement

EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Automatic Pan & Tilt position correction

#### OPTIONAL XF MODULE

Scrim: Graduated filter position control, +/- 180° module rotation (Patented)

Internal barndoors: individual position control of 4 "doors", +/- 90° module rotation (Patented)

#### THERMAL SPECIFICATION

Maximum ambient temperature: 50 °C (122 °F)

Maximum surface temperature: 100 °C (212 °F)

Minimum operating temperature: -5 °C (23 °F)

Total heat dissipation: max. 5800 BTU/h (calculated)

#### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 200-240 V, 50/60 Hz

Power consumption: max. 2.000W

Power in connector: Neutrik powerCON

DMX and RDM data in/out: Locking 3-pin & 5-pin XLR

Ethernet port in: RJ45

#### APPROVALS

CE Compliant

cETLus Compliant

#### MECHANICAL SPECIFICATION

Height: 826 mm (32.5")

Width: 483 mm (19")

Depth: 335 mm (13.2")

Weight: 35 kg (77.2 lbs)

Ingress protection rating: IP20

#### RIGGING

Mounting positions: 0°, 32°, 90°

Universal operating position

Mounting points: 5 pairs of 1/4-turn locking points

2 x Omega adaptors with 1/4 turn quick locks

Safety cable attachment point

Pan & Tilt transport locks

#### INCLUDED ITEMS

User Manual

Omega Adaptor CL-regular 2 pcs

Power cord including powerCON In connector

#### OPTIONAL ACCESSORIES

Lamp Osram Lok-it HTI 1700/PS: 14080049

Module XF for BMFL Wash: 10980266

Omega Adaptor CL-regular 2 pcs 10980033

Doughty Trigger Clamp 17030386

Safety wire 50 kg: 99011957

Single Top Loader Case: 10120163-02

Dual Top Loader Case: 10120164-02

Foam Shell: 20020218-01

#### LEGAL

BMFL™ is a Trademark of Robe lighting s.r.o.

BMFL™ Wash / Wash XF is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

# BMFL™ Wash / Wash XF

## ORDERING INFORMATION

### BMFL Wash

#### EU Model:

Cardboard:	10028621
Single Top Loader Case:	10528621
Dual Top Loader Case:	10728621

#### EU Model with Wireless:

Cardboard:	10028631
Single Top Loader Case:	10528631
Dual Top Loader Case:	10728631

#### US Model:

Cardboard:	10028622
Single Top Loader Case:	10528622
Dual Top Loader Case:	10728622

### BMFL Wash XF

#### EU Model:

Cardboard:	10028641
Single Top Loader Case:	10528641
Dual Top Loader Case:	10728641

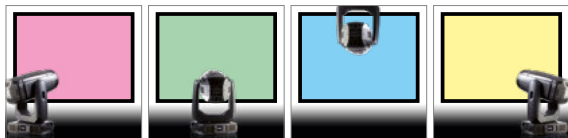
#### EU Model with Wireless:

Cardboard:	10028651
Single Top Loader Case:	10528651
Dual Top Loader Case:	10728651

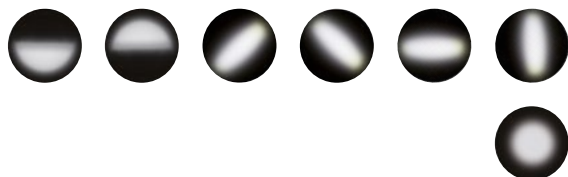
#### US Model:

Cardboard:	10028642
Single Top Loader Case:	10528642
Dual Top Loader Case:	10728642

Internal Scrim module



Barndoor shapes and effects





The strong-arm of the BMFL™ family – the superbly powerful BMFL™ WashBeam comes with extra bright output and an abundance of great features, e.g newly developed framing shutters, super wide front lens and animation wheel.

The BMFL™ WashBeam will enhance any show with its large beam produced through wide 180 mm front lens. With custom light source designed for Robe it produces an astounding 300.000 lx at 5 metres! Rotating gobo wheel with carefully selected gobos ensure many combinations of in air animations, but can also produce nice spot-like projections on surfaces. Four fast shutter blades with smooth and precise movement offer individually angled positions within a frame – which itself can rotate through 90 degrees, providing a sharp or soft, precisely repeatable frame for the projected image. Fast movement of the framing system also allows unique in air beam effects. Adding frost filters can enhance the projection by adding smooth touches to the beam's edge.

## Features

- Illuminance: 300.000 lx @ 5m
- Zoom range 5°–45°
- Three grades of variable frost
- Fast Pan & Tilt with EMS™
- Fast and precise framing shutter module
- Smooth CMY/CTO colour mixing
- Animation Wheel
- Rotating Gobo wheel

## Specifications

### SOURCE

Light source type:	Compact short-arc metal halide lamp
Base:	PGJX28
Approved model:	OSRAM Lok-it! HTI 1700/PS
Lifetime:	750 hours @ 1.700 W / 1.500 W / Quiet mode
CRI:	CRI 92+
Colour temperature:	6.000K
Control:	Automatic and remote on/off
Ballast:	Electronic

## OPTICAL SYSTEM

Robe's proprietary optical design

High-efficiency zoom optical system, ratio 9:1

Zoom range: 5°–45°

Output lens diameter: 180 mm

Dichroic glass reflector for maximising the light efficiency

High efficient component optics

Fixture total lumen output: 41.000 lm @ 1.700W

38.130 lm @ 1.500W

33.620 lm @ 1.200W (Quiet mode)

## DYNAMIC EFFECTS AND FEATURES

Cyan: 0–100 %

Magenta: 0–100 %

Yellow: 0–100 %

Variable CTO: 2.700 – 6.000K

Colour Wheel 1: 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white

Colour Wheel 2: 6 replaceable slot & lock dichroic colours: pink, lavender, laser green, 9000K CTB, minus half and minus green + white

Framing shutters : 4 individually positionable blades plus rotation of the complete frame system +-45°

Rotating gobo wheel: 6 rotating, indexable, replaceable slot & lock glass gobos + open

Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed

Iris: Motorized, stepless, pulse effects up to 3 Hz

Frost: Variable Light, Medium plus replaceable Heavy (two another frosts included)

Motorized zoom and focus

Shutter: Separate dual blade system, variable strobe effect up to 10 Hz, full black out

Dimmer: Optimized dual blade system for exceptional smooth dimming

## CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN

REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio: On request

DMX Protocol modes: 2

Control channels: 48, 41

CMY & CTO: 8 bit

Colour wheel positioning: 8 or 16 bit

Framing shutters module movement & rotation: 8 bit

Rotating gobo wheel positioning: 8 bit

Gobo indexing & rotation: 8 or 16 bit

Animation wheel: 8 bit

Animation wheel rotation: 8 bit

Iris: 8 or 16 bit

Frost: 8 bit

Zoom: 8 or 16 bit

Focus: 8 or 16 bit

Dimmer: 8 or 16 bit



**MOVEMENT**

Pan movement:	540°
Tilt movement:	270°
Movement control:	Standard and Speed
Controllable speed of Pan & Tilt movement	
EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)	
Automatic Pan & Tilt position correction	

**ROTATING GOBOS**

6 x rotating glass gobos	
Outside diameter:	30.8 mm
Image diameter:	25.0 mm
Thickness:	1.1 mm
Max. thickness:	3.5 mm
High temperature borofloat or better glass	

**EFFECT WHEEL**

Single animation wheel	
Material:	Aluminium
Diameter:	109 mm
Can be used alone or in combination with rotating gobos	
Rotating in both directions, variable speed	

**FRAMING SHUTTERS SYSTEM**

Shutters:	4 Blades, each with separate movement and +- 25° rotation control
Movement:	Smooth with variable speed, ultrafast blade movements for creating mid-air effects
Pre-programmed:	Shape and blade sequences
Rotation:	90° of the complete framing system

**THERMAL SPECIFICATION**

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	170 °C (338 °F)
Minimum operating temperature:	-5 °C (23 °F)
Total heat dissipation: max. 5800 BTU/h (calculated)	

**ELECTRICAL SPECIFICATION AND CONNECTIONS**

Power supply:	Electronic auto-ranging
Input voltage range:	200-240 V, 50/60 Hz
Power consumption:	max. 2.000W
Power in connector:	Neutrik powerCON
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in:	RJ45

**APPROVALS**

CE Compliant
cETLus Compliant

**MECHANICAL SPECIFICATION**

Height:	826 mm (32.5")
Width:	483 mm (19")
Depth:	335 mm (13.2")
Weight:	38.4 kg (84.7 lbs)
Ingress protection rating:	IP20

**RIGGING**

Mounting positions:	0°, 32°, 90°
Universal operating position	
Mounting points:	5 pairs of 1/4-turn locking points
2 x Omega adaptors with 1/4 turn quick locks	
Safety cable attachment point	

# BMFL™ WashBeam

Pan & Tilt transport locks

## INCLUDED ITEMS

User Manual

Omega Adaptor CL-regular 2 pcs

Power cord including powerCON In connector

## OPTIONAL ACCESSORIES

Lamp Osram Lok-it HTI 1700/PS:	14080049
BMFL Handles - 2 pcs in box:	10980233
BMFL Side Handle:	10980396
Omega Adaptor CL-regular 2 pcs	10980033
Doughty Trigger Clamp	17030386
Safety wire 50 kg:	99011957
Single Top Loader Case:	10120163-02
Dual Top Loader Case:	10120164-02
Foam Shell:	20020218-01

## LEGAL

BMFL™ is a Trademark of Robe lighting s.r.o.

BMFL™ WashBeam is patented by Robe lighting s.r.o. and is protected by  
one or more pending or issued patents

## ORDERING INFORMATION

### **EU Model:**

Cardboard:	10028601
Single Top Loader Case:	10528601
Dual Top Loader Case:	10728601

### **EU Model with Wireless:**

Cardboard:	10028611
Single Top Loader Case:	10528611
Dual Top Loader Case:	10728611

### **US Model:**

Cardboard:	10028602
Single Top Loader Case:	10528602
Dual Top Loader Case:	10728602

Rotating Gobo Wheel





Powerfully smooth, Robe's VIVA™ CMY combines brightness of exceptionally clear zero-fringing white beam together with continuous color transitions of CMY mixing.

Elegant and lightweight, packed with smart effects that are easy to use. The fixture is very powerful yet consumes little energy.

The 350W white LED light engine gives an extra punchy beam and an incredible 20.000 hours of operation – in fact, no relamping will be needed for the entire life of the fixture!

Smooth color transition and fixed vivid and radiant colours can be applied from CMY mixing system and colour wheel, and rotating or static gobos added for projections or mid-air effects. The smooth zoom can go out to 40 degrees at its widest and be softened it up with variable frost to create a gentle wash-like output or dynamic background projections.

The minimum 9° zoom produces a piercing beam that can be trimmed with ultra-fast stepless iris for really punchy output, and VIVA has extremely fast Pan & Tilt movement using Robe's proprietary EMS™ (Electronic Motion Stabiliser) technology.

That and much more is possible with VIVA™ – entertaining and contemporary!

## Features

- White LED light source module
- 20.000 hours
- Zoom: 9°–40°
- Rotating & Static Gobos
- Low power consumption
- Fast movement

## Specifications

### SOURCE

Light source type:	350W White LED engine
LED life expectancy:	min. 20.000 hours
Typical lumen maintenance:	L70/B50 @ 40.000 hours
Colour temperature:	6.500K
Light source warranty:	3 years or 20.000 hours

## OPTICAL SYSTEM

Robe's proprietary optical design

High-efficiency zoom optical system, ratio 4,5:1

Zoom range: 9°–40°

Even flat field, 2:1 hotspot

Output lens diameter: 120 mm

Fixture total lumen output: 14.990 lm (integrating sphere)

12.040 lm (goniophotometer)

Illuminance: 30.060 lx @ 5 m

## DYNAMIC EFFECTS AND FEATURES

Cyan: 0–100 %

Magenta: 0–100 %

Yellow: 0–100 %

Colour Wheel: 6 fixed dichroic colours + white

Virtual Colour Wheel: with 66 preset LEE swatches

Rotating gobo wheel: 7 rotating, indexable, replaceable slot & lock glass gobos + open

Static gobo wheel: 9 aluminium gobos + open

Prism: 3-facet circular rotating prism

Iris: Motorized, stepless, pulse effects up to 3 Hz

Frost: Variable, replaceable 20° frost filter; optional 1°, 10° and 30°

Motorized zoom and focus

Shutter: Electronic with variable speed strobe (max. 20 flashes per second)

Pre-programmed random strobe & pulse effects

High resolution electronic dimming: 0–100 %

## CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN

Wireless CRMX™ technology from Lumen Radio: On request

DMX protocol modes: 2

Control channels: 32, 26

Pan & Tilt resolution: 16 bit

CMY: 8 bit

Colour wheel positioning: 8 bit

Rotating gobo wheel positioning: 8 bit

Gobo indexing & rotation: 8 or 16 bit

Static gobo wheel positioning: 8 or 16 bit

Iris: 8 or 16 bit

Frost: 8 bit

Zoom: 8 or 16 bit

Focus: 8 or 16 bit

Dimmer: 8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement: 540°

Tilt movement: 270°

Movement control: Standard and Speed

Controllable speed of Pan & Tilt movement

EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Automatic Pan & Tilt position correction

**ROTATING GOBOS**

Gobo Wheel:	7 x Rotating Glass Gobos
Outside diameter:	26.8 mm
Image diameter:	22.0 mm
Thickness:	1.1 mm
Max. Thickness:	4.0 mm
Material:	High temperature borofloat or better glass slot & lock system for easy replacement of gobos

**STATIC GOBOS**

Aluminium wheel with 9 fixed gobos + open position	
Image diameter:	22.5 mm
Thickness:	0.5 mm

**THERMAL SPECIFICATION**

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	80 °C (176 °F)
Minimum operating temperature:	-5 °C (23 °F)

**ELECTRICAL SPECIFICATION AND CONNECTIONS**

Power supply:	Electronic auto-ranging
Input voltage range:	100–240 V, 50/60 Hz
Power consumption:	max. 500W
Power in connector:	Neutric powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in:	RJ45

**APPROVALS**

CE Compliant
cETLus Compliant (pending)

**MECHANICAL SPECIFICATION**

Height:	664 mm (26.1")
Width:	382 mm (15")
Depth:	250 mm (9.8")
Weight:	19 kg (41.9 lbs)
Ingress protection rating:	IP20

**RIGGING**

Mounting positions:	Horizontally or vertically
Universal operating position	
Mounting points:	2 pairs of 1/4-turn locking points
2 x Omega adaptors with 1/4-turn quick locks	
Pan & Tilt transport locks	

**INCLUDED ITEMS**

User Manual
Omega Adaptor CL-regular 2 pcs
Power cord including powerCON TRUE1 In connector

**OPTIONAL ACCESSORIES**

Frost 1° (exchange) assembled:	10980308
Frost 10° (exchange) assembled:	10980309
Frost 30° (exchange) assembled:	10980310
Omega Adaptor CL-regular 2 pcs:	10980033
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Single Top Loader Case:	10120209
Dual Top Loader Case:	10120210
Quad Top Loader Case:	10120211
Foam Shell:	20020295

## LEGAL

VIVA™ CMY is a Trademark of Robe lighting s.r.o.

VIVA™ CMY is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model:

Cardboard:	10018586
Single Top Loader Case:	10518586
Dual Top Loader Case:	10718586
Quad Top Loader Case	10818586

### EU Model with Wireless:

Cardboard:	10018593
Single Top Loader Case:	10518593
Dual Top Loader Case:	10718593
Quad Top Loader Case	10818593

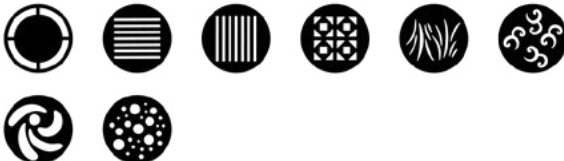
### US Model:

Cardboard:	10018589
Single Top Loader Case:	10518589
Dual Top Loader Case:	10718589
Quad Top Loader Case	10818589

Rotating Gobo Wheel



Static Gobo Wheel





Need something exceptional to stand out from the crowd? Something very different to create a powerful signature effect. Lack that missing X factor? Then go to the extreme with the visually sensational TetraX™! Developed from the immensely successful Tetra1™, the TetraX™ adds dynamic pan movement with extremely high-speed continuous rotation, dramatically increasing sweeping effect possibilities of the fixture.

Generating an ultra-tight 4° beam from each of the 9 evenly spaced pixels, they combine to produce a bright, defined “sheet” of light, as desired by Lighting Designers. The homogenised beams and smooth 11:1 motorised zoom provide ultra-smooth washes out to 45°.

TetraX™ sets itself apart by including three exclusive eye-catching Robe patented MCFE™ – Multi-Coloured Flower Effect – emitting sharp, multi-coloured spikes of light, with variable speed and rotation direction control, to further increase the projection of charismatic in-air animations.

All-inclusive colour and dimming control are available via RGBW and CMY colour mixing modes; variable CCT of 2.700K – 8.000K; tungsten emulation simulating the red shift and thermal delay of tungsten lamps for whites from 2.700K – 4.200K; DataSwatch™ 237 pre-programmed colour library; L3™ Low Light Linearity dimming software for imperceptible fades to black.

An Epass™ Ethernet switch ensures sustained network connectivity. A wide range of protocols (sACN, Art-Net or Kling-Net) allows quick network installation and control from media servers, DMX, or the internal effects engine.

TetraX™ – eXceeding the eXceptional

## Features

- Bright, defined, "Sheet" of light
- 0.5 metre linear LED bar with pan & tilt
- high-speed continuous rotation
- 3 x MCFE™ - Multi-Coloured Flower Effects
- Individual 9-way pixel control
- 4°- 45° zoom range

## Specifications

### SOURCE

Light source type:	9x 40W RGBW LED multichips
LED life expectancy:	min. 50.000 hours
Typical lumen maintenance:	L70/B50 @ 50.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Zoom range:	4°- 45°
High efficient component optics	
Fixture total lumen output:	8.439 lm (integrating sphere) 4.225 lm (goniophotometer)

### DYNAMIC EFFECTS AND FEATURES

Colour mixing mode RGBW or CMY	
Individual control of each RGBW pixel	
Variable CCT:	2.700 – 8.000K
Tungsten lamp effect:	750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4.200K (red shift and thermal delay)
DataSwatch™ filters:	pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and direction	
3x MCFE™ - Multi-Coloured Flower Effects – creating spectacular multicolour beam effects in the air rotating in both directions at variable speed (Patented)	
Motorized zoom	
Pre-programmed random strobe & pulse effects	
Electronic strobe effect with variable speed up to 20 Hz	
High resolution electronic dimming:	0–100 %
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	

### CONTROL AND PROGRAMMING

Setting & Addressing:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 88 steps), built-in analyser for easy fault finding
Protocols:	USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN, Kling-Net
REAP™ - Robe Ethernet Access Portal	
Wireless CRMX™ technology from Lumen Radio:	On request
Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity	
DMX Protocol modes:	6
Control channels:	41, 61, 75, 84, 88, 97
RGBW / CMY:	8 or 16 bit



Zoom:	8 or 16 bit
Dimmer:	8 or 16 bit (internal 18 bit)

### MOVEMENT

Pan movement range 540° with continuous rotation control	
Tilt movement:	205°
16 bit movement resolution	
Controllable speed of Pan & Tilt movement	

### THERMAL SPECIFICATION

Maximum ambient temperature:	40 °C (104 °F)
Maximum surface temperature:	70 °C (158 °F)
Minimum operating temperature:	-5 °C (23 °F)

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz
Power consumption:	max. 320W
Power connector in/out:	Neutrik powerCON TRUE1 in/out
DMX and RDM data in/out:	Locking 5-pin XLR
Ethernet port in/out:	RJ45 for Embedded Epass™ - switch 10/100 Mbps

### MECHANICAL SPECIFICATION

Height:	290 mm (11.42") - head in vertical position
Width:	508 mm (20")
Depth:	205 mm (8.07") - head in horizontal position
Weight:	15.7 kg (34.6 lbs)
Ingress protection rating:	IP20

### RIGGING

Mounting points:	2 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Universal operating position	
Safety cable attachment point	

### INCLUDED ITEMS

User Manual	
Variable Omega Adaptor:	2 pcs 99016241-02
Power cord including powerCON TRUE1 In connector	

### OPTIONAL ACCESSORIES

Diffusion filter: 2°	10980698
Clear lens cover:	10980699
Safety wire 36 kg:	99011963
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor:	13052439
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor:	13052440
Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor:	13052444
Single Top Loader Case:	10120292
Dual Top Loader Case :	10120293
Quad Top Loader Case :	10120294
Dual Foam Shell:	20020447
Omega Adaptor CL-variable 2pcs in box:	10980550

### LEGAL

TetraX™ is a Trademark of Robe lighting s. r. o.

TetraX™ is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU model

Cardboard	10071511
Single Top Loader Case	10571511
Dual Top Loader Case	10771511
Quad Top Loader Case	10871511

### EU model with wireless

Cardboard	10071512
Single Top Loader Case	10571512
Dual Top Loader Case	10771512
Quad Top Loader Case	10871512



TETRAgnatha's are linear bars building on the Spiider and Tarrantula technology with TETRA2™ the uncompromising leader of the Tetra family.

Generating an ultra-tight 4° beam from each of the 18 pixels, they combine to produce a bright, defined "sheet" of light, desired by Lighting Designers. Seamless curtains of light can be constructed using several fixtures as the detailed design allows any combination of TETRA1™ and TETRA2™ to be placed end-to-end on stage or truss, whilst maintaining equal spacing between pixels. With the addition of two exclusive Robe patented MCFE™ - Multi-Coloured Flower Effects - the pixel-driven TETRA2™ sets itself apart from others by projecting charismatic in- air animations.

The homogenised beams, together with the smooth 11:1 zoom, provide a wash out to 45°, a footlight, a wall graze or dynamic in-air effects with fast-paced sweeping movements. Utilizing our latest L3™ (Low Light Linearity) dimming system for an imperceptible fade to black, the 18-bit control provides ultra-smooth colour mixing across the full colour spectrum. An embedded Ethernet switch and wide range of protocols (sACN, Art-Net or Kling-Net) allow a quick network installation and ease of control from media servers, DMX or the internal effects engine.

## Features

- Bright LED WashBeam fixture
- MCFE™ - Multi-Coloured Flower Effects
- Innovative Lens Coating Technology
- Individual Pixel Control
- RGBW Colour Mixing
- Zoom 4°–45°

## Specifications

### SOURCE

Light source type:	18 x 40W RGBW LED multichips
LED life expectancy:	min. 50.000 hours
Typical lumen maintenance:	L70/B50 @ 50.000 hours

## OPTICAL SYSTEM

Robe's proprietary optical design

Zoom range: 4°- 45°

High efficient component optics

Fixture total lumen output: 10.500 lm (integrating sphere)  
8.439 lm (goniophotometer)

## DYNAMIC EFFECTS AND FEATURES

Colour mixing mode RGBW or CMY

Individual control of each RGBW pixel

Variable CCT: 2.700 – 8.000K

Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp  
emulation for whites from 2.700K to 4.200K (red shift and  
thermal delay)

DataSwatch™ filters: pre-programmed 237 colours and tones  
including most used whites 2.700K, 3.200K, 4.200K, 5.600K and  
8.000K

Pre-programmed pixel effects with colour, dimming and strobe chases,  
waves and pulses at variable speed and direction

2x MCFE™ - Multi-Coloured Flower Effects – creating spectacular  
multicolour beam effects in the air rotating in both directions at variable  
speed (Patent pending)

Motorized zoom

2 independent zoom zones

Pre-programmed random strobe & pulse effects

Electronic strobe effect with variable speed up to 20 Hz

High resolution electronic dimming: 0–100 %

L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra  
smooth fade to black

## CONTROL AND PROGRAMMING

Setting & Addressing: QVGA Robe touch screen with battery  
backup, gravitation sensor for auto screen positioning, operation memory  
service log with RTC, stand-alone operation with 3 editable programs (each  
up to 88 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN,  
Kling-Net

REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio: On request

DMX Protocol modes: 6

Control channels: 34, 56, 97, 115, 110, 128

RGBW / CMY: 8 or 16 bit

Zoom: 8 or 16 bit

Dimmer: 8 or 16 bit (internal 18 bit)

## MOVEMENT

Tilt movement: 205°

16 bit movement resolution

Controllable speed of Pan & Tilt movement

## THERMAL SPECIFICATION

Maximum ambient temperature: 40 °C (104 °F)

Maximum surface temperature: 70 °C (158 °F)

Minimum operating temperature: -5 °C (23 °F)

Total heat dissipation: max. 2.047 BTU/h (calculated)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: max. 600W

Power in/out connector:	Neutrik powerCON TRUE1 in/out
DMX and RDM data in/out:	Locking 5-pin XLR
Ethernet port in/out:	RJ45
Embedded Ethernet switch	10/100 Mbps

#### MECHANICAL SPECIFICATION

Height:	279 mm (10.98") - head in vertical position
Width:	1007 mm (39.6")
Depth:	192 mm (7.56") - head in horizontal position
Weight:	18.1 kg (39.9 lbs)
Ingress protection rating:	IP20

#### RIGGING

Mounting points:	2 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Universal operating position	
Safety cable attachment point	

#### INCLUDED ITEMS

User Manual	
Variable Omega Adaptor:	2 pcs 99016241-02
Power cord including powerCON TRUE1 In connector	

#### OPTIONAL ACCESSORIES

Diffusion filter: 2°	10980593
Clear lens cover:	10980606
Safety wire 36 kg:	99011963
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor:	13052439
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor:	13052440
Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor:	13052444
Single Top Loader Case:	10120259
Triple Top Loader Case :	10120264
Foam Shell:	20020371
Omega Adaptor CL-variable 2pcs in box:	10980550

#### LEGAL

Tetra2™ is a Trademark of Robe lighting s. r. o.

Tetra2™ is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents

#### ORDERING INFORMATION

##### EU model

Cardboard	10071251
Single Top Loader Case	10571251
Quad Top Loader Case	10871251

##### EU model with wireless

Cardboard	10071252
Single Top Loader Case	10571252
Quad Top Loader Case	10871252



TETRA1™ is a linear bar built on the highly successful Spiider and Tarrantula technology. Despite its shorter length, TETRA1™ maintains the same features, quality and pixel spacing as TETRA2™.

Generating an ultra-tight 4° beam from each of the 9 pixels, they combine to produce a bright, defined “sheet” of light, desired by Lighting Designers. Seamless curtains of light can be constructed using several fixtures as the compact, detailed design allows any combination of TETRA1™ and TETRA2™ to be placed end-to-end on stage or truss, whilst maintaining equal spacing between pixels. With the addition of one exclusive Robe patented MCFE™ - Multi-Coloured Flower Effect - the pixel-driven TETRA1™ sets itself apart from others by projecting charismatic in-air animations.

The homogenised beams, together with the smooth 11:1 zoom, provide a wash out to 45°, a footlight, a wall graze or dynamic in-air effects with fast-paced sweeping movements. Utilizing our latest L3™ (Low Light Linearity) dimming system for an imperceptible fade to black, the 18-bit control provides ultra-smooth colour mixing across the full colour spectrum. An embedded Ethernet switch and wide range of protocols (sACN, Art-Net or Kling-Net) allow a quick network installation and ease of control from media servers, DMX or the internal effects engine.

## Features

- Bright LED WashBeam fixture
- MCFE™ - Multi-Coloured Flower Effects
- Innovative Lens Coating Technology
- Individual Pixel Control
- RGBW Colour Mixing
- Zoom 4°–45°

## Specifications

### SOURCE

Light source type:	9 x 40W RGBW LED multichips
LED life expectancy:	min. 50.000 hours
Typical lumen maintenance:	L70/B50 @ 50.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Zoom range:	4°- 45°
High efficient component optics	
Fixture total lumen output:	5.300 lm (integrating sphere) 4.225 lm (goniophotometer)

**DYNAMIC EFFECTS AND FEATURES**

Colour mixing mode RGBW or CMY

Individual control of each RGBW pixel

Variable CCT: 2.700 – 8.000K

Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4.200K (red shift and thermal delay)

DataSwatch™ filters: pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K

Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and direction

1x MCFE™ - Multi-Coloured Flower Effects – creating spectacular multicolour beam effects in the air rotating in both directions at variable speed (Patented)

Motorized zoom

Pre-programmed random strobe &amp; pulse effects

Electronic strobe effect with variable speed up to 20 Hz

High resolution electronic dimming: 0–100 %

L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black

**CONTROL AND PROGRAMMING**

Setting &amp; Addressing: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 88 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN, Kling-Net

REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio: On request

DMX Protocol modes: 6

Control channels: 25, 45, 59, 68, 72, 81

RGBW / CMY: 8 or 16 bit

Zoom: 8 or 16 bit

Dimmer: 8 or 16 bit (internal 18 bit)

**MOVEMENT**

Tilt movement: 205°

16 bit movement resolution

Controllable speed of Pan &amp; Tilt movement

**THERMAL SPECIFICATION**

Maximum ambient temperature: 40 °C (104 °F)

Maximum surface temperature: 70 °C (158 °F)

Minimum operating temperature: -5 °C (23 °F)

Total heat dissipation: max. 1023 BTU/h (calculated)

**ELECTRICAL SPECIFICATION AND CONNECTIONS**

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: max. 400W

Power in/out connector: Neutrik powerCON TRUE1 in/out

DMX and RDM data in/out: Locking 5-pin XLR

Ethernet port in/out: RJ45

Embedded Ethernet switch 10/100 Mbps

**MECHANICAL SPECIFICATION**

Height: 279 mm (10.98") - head in vertical position

Width: 508 mm (20")

Depth: 192 mm (7.56") - head in horizontal position

Weight: 11.3 kg (24.9 lbs)

Ingress protection rating: IP20

## RIGGING

Mounting points: 2 pairs of 1/4-turn locking points  
2x Omega adaptors with 1/4-turn quick locks  
Universal operating position  
Safety cable attachment point

## INCLUDED ITEMS

User Manual  
Variable Omega Adaptor: 99016241-02  
Power cord including powerCON TRUE1 In connector

## OPTIONAL ACCESSORIES

Diffusion filter: 2° 10980592  
Clear lens cover: 10980605  
Safety wire 36 kg: 99011963  
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor: 13052439  
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor: 13052440  
Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor: 13052444  
Single Top Loader Case: 10120261  
Six Pack Top Loader Case: 10120263  
Dual Foam Shell: 20020372  
Omega Adaptor CL-variable 2pcs in box: 10980550

## LEGAL

Tetra1™ is a Trademark of Robe lighting s. r. o.  
Tetra1™ is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU model

Cardboard 10071331  
Single Top Loader Case 10571331  
Quad Top Loader Case 10971331

### US model

Cardboard 10071333  
Single Top Loader Case 10571333  
Quad Top Loader Case 10971331





Building on the success of the LEDWash 1200 and Spider's advanced technology, the all new Tarrantula is the most powerful LED beam/wash/effects fixture on the market. Now equipped with Robe's innovative lens coating technology which brings benefits such as bright and clear lenses, no scratches or marks, higher light output and longer intervals between cleaning.

Designed for concerts, car shows, sporting tournaments, indeed any event in a large venue, the Tarrantula is powered by 36 x 40W and 1 x 60W high powered emitters providing a stunning 20.000 lumen output. The versatile optical system offers an adjustable beam angle, from a tight 4° spot to a super-wide 50° wash, of the highest quality light. The LEDWash 800 inspired Beam Shaper accessory creates a traditional oval beam that can be indexed to precisely cover the desired stage or performance area. Central to the effects capabilities of this fixture is Robe patented MCFE™ - Multi-Coloured Flower Effects, adding yet another spectacular visual dimension. Driven by the 60W RGBW multichip, this creates the sharpest spikes of light, rotating in either direction with controlled speed. Fully saturated and intense colours as well as subtle pastel tones are created with velvety smooth transitions thanks to the integrated internal 18bit LED dimming system. Dynamic video effects are easily achieved by mapping individual pixels controlled by a DMX desk or media servers via sACN with internal HTP merging, DMX or by Kling-Net protocol.

## Features

- 1 x 60W RGBW and 36 x 40W RGBW LED multichips
- Zoom: 4°–50°
- Ultrabright LED WashBeam
- Innovative Flower Effect
- Illuminance: 80.200 lx @ 5 m
- Individual Pixel Control

## Specifications

### SOURCE

Light source type: 1 x 60W RGBW and 36 x 40W RGBW LED multichips  
(CW and TW also available)

LED life expectancy: min. 50.000 hours

Typical lumen maintenance: L70/B50 @ 50.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design

Innovative lens coating technology (Patented)

High-efficiency zoom optical system, ratio 12.5:1

Zoom range: 4°–50°

Fixture total lumen output: 25.200 lm (integrating sphere)  
20.150 lm (goniophotometer)

Illuminance: 80.200 lx @ 5 m

## DYNAMIC EFFECTS AND FEATURES

Colour mixing mode: RGBW or CMY

Individual control of each RGBW pixel

Variable CTO: 2.700 – 8.000K

Virtual Colour Wheel: with 66 preset swatches

Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp  
emulation for whites from 2.700K to 4.200K (red shift and  
thermal delay)

Colour rainbow effect with variable speed

Pre-programmed pixel effects with colour, dimming and strobe chases,  
waves and pulses at variable speed and direction

MCFE™ - Multi-Coloured Flower Effects – creating spectacular multico-  
lour beam effects in the air rotating in both directions at variable speed  
(Patented)

Strobe effect: variable speed (max. 20 flashes per second)

Pre-programmed random strobe & pulse effects

High resolution electronic dimming: 0–100 %

L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra  
smooth fade to black

## CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup,  
gravitation sensor for auto screen positioning, operation memory service  
log with RTC, stand-alone operation with 3 editable programs (each up  
to 100 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2,  
sACN, Kling-Net

Wireless CRMX™ technology from Lumen Radio: On request

DMX Protocol modes: 6

Control channels: 28, 48, 146, 183, 159, 196

Pan & Tilt resolution: 16 bit

R,G,B,W colour mixing: 8 or 16 bit (internal 18 bit)

Zoom: 8 bit

Dimmer: 8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement: 540°

Tilt movement: 220°

Movement control: Standard and Speed

Controllable speed of Pan & Tilt movement

EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam  
deviation caused by truss movement or vibration (Patented)

Automatic Pan & Tilt position correction

## THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 75 °C (167 °F)

Minimum operating temperature: -5 °C (23 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100–240 V, 50/60 Hz

Power consumption:	max. 1.000W
Power in connector:	Neutric powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in/out:	RJ45
Embedded Ethernet switch 10/100 Mbps:	1 x in / 1 x out

### APPROVALS

CE Compliant

cETLus Compliant

### MECHANICAL SPECIFICATION

Height:	587 mm (23.1")
Width:	508 mm (20")
Depth:	257 mm (10.1")
Weight:	21.2 kg (46.7 lbs)
Ingress protection rating:	IP20

### RIGGING

Mounting positions:	Horizontally or vertically
Universal operating position	
Mounting points:	2 pairs of 1/4-turn locking points
2 x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	
Tilt transport lock	

### INCLUDED ITEMS

User Manual

Omega Adaptor CL-regular 2 pcs

Power cord including powerCON TRUE1 In connector

### OPTIONAL ACCESSORIES

Diffusion filter: 2°	10980417
Beam shaper kit:	10980430
Eggcrate:	10980431
Doughty Trigger Clamp:	17030386
Safety wire 36 kg	99011963
Single Top Loader Case (without Beam Shaper):	10120234-01
Dual Top Loader Case (without Beam Shaper):	10120235-01
Foam Shell (without Beam Shaper):	20020319
Single Top Loader Case (with Beam Shaper):	10120242
Dual Top Loader Case (with Beam Shaper):	10120243
Foam Shell (with Beam Shaper):	20020332

### LEGAL

Tarrantula™ is a Trademark of Robe lighting s.r.o.

Tarrantula™ is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

### ORDERING INFORMATION

#### EU Model without Beam Shaper:

Cardboard:	10071181
Single Top Loader Case:	10571181
Dual Top Loader Case:	10771181

#### EU Model with Wireless without Beam Shaper:

Cardboard:	10071182
Single Top Loader Case:	10571182
Dual Top Loader Case:	10771182

#### EU Model with Beam Shaper:

Cardboard:	10071191
Single Top Loader Case:	10571191
Dual Top Loader Case:	10771191

#### EU Model with Wireless and Beam Shaper::

Cardboard:	10071192
Single Top Loader Case:	10571192
Dual Top Loader Case:	10771192



Unlike other spiders, our new IP65 rated iSpiider®, with its highly advanced protective design, is perfectly happy to play in the rain!

Ideally suited for festivals, concerts and outdoor events, or any scenario needing to deal with inclement or unpredictable weather, the iSpiider® is a bright, high-performance rated WashBeam luminaire, retaining all the favourite features of its phenomenally successful indoor relative, the Spider®.

Designed, developed, and manufactured, to be sealed against water and particle ingress, thereby strictly adhering to their IP65 rating, you can be confident of both its protection and performance.

Their aluminium housing gives a dust-free environment for the optics, eliminating the need for frequent cleaning, routine maintenance, and UV damage to plastic parts.

By including NFC (Near-Field Communication) technology, you can access setup, diagnostic and performance features, even when the fixture is not powered, directly from your mobile device using the Robe Com app.

iSpiider uses the same 18 x 40-Watt, and 1 x 60-Watt LED source as the original, with the identical 12.5 :1 zoom optical system, giving the same, tight 4° Beam to wide 50° Wash.

The unique central piece Robe patented MCFE™ - Multi-Coloured Flower Effect, driven by the 60W RGBW LED multichip, produces sharp, multicoloured spikes of light, rotating in both directions at variable speed, adding visual impact to any show.

All control protocols are present, with dynamic video effects achieved by mapping individual pixels, controlled by DMX control desks, media servers via sACN with internal HTP merging, or Kling-Net.

Designed to be used indoors or out, we make fixture swap with the original Spider® easy, as the DMX control channels, operating speeds, and feature set of both luminaires are identical.

## Features

- IP65 Ingress Protection
- Innovative Flower Effect
- Individual Pixel Control
- Super-Bright LED WashBeam
- Illuminance: 49.000 lx @ 5 m
- Zoom: 4° - 50°

## Specifications

### SOURCE

Light source type:	1x 60W RGBW and 18 x 40W RGBW LED multichips
LED life expectancy:	min. 50.000 hours
Typical lumen maintenance:	L70/B50 @ 50.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 12,5:1	
Zoom range:	4° - 50°
Fixture total lumen output:	13 100 lm (integrating sphere) 10.500 lm (goniophotometer)
Illuminance:	49.000 lx @ 5 m
Innovative lens coating technology (Patent pending)	

### DYNAMIC EFFECTS AND FEATURES

Colour mixing mode:	RGBW or CMY
Individual control of each RGBW pixel	
White light:	Variable CCT 2.700 – 8.000K
DataSwatch™ filters:	pre-programmed 66 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
Tungsten lamp effect:	750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4.200K (red shift and thermal delay)
Colour rainbow effect with variable speed	
Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and direction	
MCFE™ - Multi-Coloured Flower Effects – creating spectacular multicolour beam effects in the air rotating in both directions at variable speed (Patented)	
Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100 %
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	

### CONTROL AND PROGRAMMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
Protocols:	USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN, Kling-Net
Wireless CRMX™ technology from Lumen Radio	
Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity	

### REAP™ - Robe Ethernet Access Portal

DMX Protocol modes:	10
Control channels:	49, 27, 33, 90, 27, 47, 91, 110, 104, 123
Pan & Tilt resolution:	16 bit
R,G,B,W colour mixing:	8 or 16 bit (internal 18 bit)
Zoom:	8 bit
Dimmer:	8 or 16 bit (internal 18 bit)

### MOVEMENT

Pan movement:	540°
Tilt movement:	220°
Movement control:	Standard and Speed
Controllable speed of Pan & Tilt movement	

EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Automatic Pan & Tilt position correction

## THERMAL SPECIFICATION

Maximum ambient temperature: 45°C (113°F)

Maximum surface temperature: 75°C (167°F)

Minimum operating temperature: -10°C (14°F)

Total heat dissipation: max. 1614 BTU/h (calculated)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: max. 660W

Power connector in: IP65 Neutrik powerCON TRUE1

DMX and RDM data in/out: IP65 Locking 5-pin XLR connectors

Embedded Ethernet switch 10/100 Mbps: 1 x in / 1 x out

Ethernet port in: 2 x IP65 RJ45 connector

## APPROVALS

CE Compliant

cETLus Compliant (pending)

## MECHANICAL SPECIFICATION

Height: 534 mm (21.0") – head in vertical position

595 mm (23.4") – head in horizontal position

Width: 450 mm (17.7")

Depth: 277 mm (10.9")

Weight: 24.9 kg (54.9 lbs)

Ingress protection rating: IP65

## RIGGING

Mounting positions: Horizontally or vertically

Universal operating position

Mounting points: 2 pairs of 1/4-turn locking points

2x Omega adaptors with 1/4-turn quick locks

Safety cable attachment point

Tilt transport lock

## INCLUDED ITEMS

User Manual

Omega Adaptor CL-regular 2 pcs

Power cord including powerCON TRUE1 In connector

## OPTIONAL ACCESSORIES

Doughty Trigger Clamp: 17030386

Safety wire 36 kg: 99011963

Single Top Loader Case: 10120277

Dual Top Loader Case: 10120278

## LEGAL

iSpider® is a Registered Trademark of Robe lighting s.r.o.

iSpider® is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model with Wireless:

Cardboard: 10071351

Single Top Loader Case: 10571351

Dual Top Loader Case: 10771351

### US Model with Wireless:

Cardboard: 10071352

Single Top Loader Case: 10571352

Dual Top Loader Case: 10771352



Spiider, a superbright next generation of LED WashBeam luminaries, using 18 x 40 Watt and 1 x 60 Watt LEDs and combining it with a very efficient 12,5:1 zoom optical system ranging from tight 4° Beam to wide 50° Wash, makes the product in its class the most powerful LED fixture on the market. Now equipped with Robe's innovative lens coating technology which brings benefits such as bright and clear lenses, no scratches or marks, higher light output and longer intervals between cleaning.

Beautiful convergence of hard edge in-air effects, punchy beams and smooth homogenized wash is all encapsulated in the unique Spiider. Rich colors of 19 powerfull RGBW LEDs can create charming wash light with velvety smooth transitions thanks to internal 18bit LED dimming system.

Dynamic video effects are easily achieved by mapping individual pixels and controlled by DMX desk or media servers via sACN with internal HTP merging, DMX or by Kling-Net protocol.

Unique central piece with Robe patented MCFE™ - Multi-Coloured Flower Effects, is driven by 60W RGBW LED multichip for new innovative sharp multicoloured spikes of light, rotating in both directions at variable speed, adding another new visual effect to the show.

## Features

- 1x 60W RGBW and 18 x 40W RGBW LED multichips
- Superbright LED WashBeam
- Illuminance: 50.100 lx @ 5 m
- Zoom: 4°–50°
- Innovative Flower effect
- Individual pixel control

## Specifications

### SOURCE

Light source type:	1 x 60W RGBW and 18 x 40W RGBW LED multichips
LED life expectancy:	min. 50.000 hours
Typical lumen maintenance:	L70/B50 @ 50.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Innovative lens coating technology (Patented pending)	
High-efficiency zoom optical system, ratio 12.5:1	
Zoom range:	4°–50°
Fixture total lumen output:	13.700 lm (integrating sphere) 11.000 lm (goniophotometer)

Illuminance: 50.100 lx @ 5 m

## DYNAMIC EFFECTS AND FEATURES

Colour mixing mode: RGBW or CMY

Individual control of each RGBW pixel

Variable CTO: 2.700 – 8.000K

Virtual Colour Wheel: with 66 preset swatches

Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4.200K (red shift and thermal delay)

Colour rainbow effect with variable speed

Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and direction

MCFE™ - Multi-Coloured Flower Effects – creating spectacular multicolour beam effects in the air rotating in both directions at variable speed (Patented)

Strobe effect: variable speed (max.20 flashes per second)

Pre-programmed random strobe & pulse effects

High resolution electronic dimming: 0–100 %

L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black

## CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN, Kling-Net Wireless CRMX™ technology from Lumen Radio: On request

DMX protocol modes: 10

Control channels: 49, 27, 33, 90, 27, 47, 91, 110, 104, 123

Pan & Tilt resolution: 16 bit

R,G,B,W colour mixing: 8 or 16 bit (internal 18 bit)

Zoom: 8 bit

Dimmer: 8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement: 540°

Tilt movement: 220°

Movement control: Standard and Speed

Controllable speed of Pan & Tilt movement

EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Automatic Pan & Tilt position correction

## THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 75 °C (167 °F)

Minimum operating temperature: -5 °C (23 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100–240 V, 50/60 Hz

Power consumption: max. 600W

Power in connector: Neutric powerCON TRUE1

DMX and RDM data in/out: Locking 3-pin & 5-pin XLR

Ethernet port in/out: RJ45

Embedded Ethernet switch 10/100 Mbps: 1 x in/ 1 x out



**APPROVALS**

CE Compliant

cETLus Compliant

**MECHANICAL SPECIFICATION**

Height:	477 mm (18.7")
Width:	390 mm (11.0")
Depth:	252 mm (9.9")
Weight:	13.3 kg (29.2 lbs)
Ingress protection rating:	IP20

**RIGGING**

Mounting positions:	Horizontally or vertically
Universal operating position	
Mounting points:	2 pairs of 1/4-turn locking points
2 x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	
Tilt transport lock	

**INCLUDED ITEMS**

User Manual
Omega Adaptor CL-regular 2 pcs
Power cord including powerCON TRUE1 In connector

**OPTIONAL ACCESSORIES**

Diffusion filter: 2° 10980416
Clear lens cover: 10980607
EggCrate: 10980317
Doughty Trigger Clamp: 17030386
Safety wire 36 kg: 99011963
Mounting adapter for one omega holder - black: 10980100
Mounting adapter for one omega holder - white: 10980129
Mounting adapter for one omega holder - neutral: 10980113
Single Top Loader Case: 10120195-01
Dual Top Loader Case: 10120207
Quad Top Loader Case: 10120208
Foam Shell: 2002 0290

**LEGAL**

Spiider® is a Registered Trademark of Robe lighting s.r.o.  
 Spiider® is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

**ORDERING INFORMATION****EU Model:**

Cardboard:	10071041
Single Top Loader Case:	10571041
Dual Top Loader Case:	10771041
Quad Top Loader Case:	10871041

**EU Model with Wireless:**

Cardboard:	10071042
Single Top Loader Case:	10571042
Dual Top Loader Case:	10771042
Quad Top Loader Case:	10871042

**US Model:**

Cardboard:	10071043
Single Top Loader Case:	10571043
Dual Top Loader Case:	10771043
Quad Top Loader Case:	10871043

**US Model with Wireless:**

Cardboard:	10071044
Single Top Loader Case:	10571044
Dual Top Loader Case:	10771044
Quad Top Loader Case:	10871044



Retaining the fast-moving, compact design of the original, the new Spikie+ generates 25% more lumen output from its single 60W RGBW source, giving you even more impact!

With a 110mm specifically designed front lens, Spikie+ rapid moving zoom produces beams from a tight, sharp 4-degrees out to a soft wide 28-degree wash.

Spikie+ creates visual splendour with our Robe patented MCFE™ - Multi-Coloured Flower Effects - creating sharp multicoloured spikes of light, rotating bi-directionally with variable speed.

The unique Beam Effects Engine transforms the output into three piercing rays of narrow beams, while continuous Pan & Tilt movement creates another layer of dynamism to the show.

Colour management includes CMY or RGBW mixing modes; a variable CTO from 2.700K to 8.000K; Tungsten lamp thermal delay/red shift effects with whites at 2.700K or 3.200K.

Small and compact, weighing just 7.3 kg, Spikie+ permits rigging at any angle, is supplied with one Omega bracket and is available in cardboard, single, quad or eight-pack cases.

## Features

- 25% more lumen output from its single 60W RGBW source
- Super-fast, compact, LED WashBeam
- Zoom range: 4° - 28°
- MCFE™ - Multi-Coloured Flower Effects
- L3™ dimming system for ultra-smooth fade to black

## Specifications

### SOURCE

Light source type:	60W RGBW LED
LED life expectancy:	min. 20.000 hours
Typical lumen maintenance:	70% @ 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 7:1	
Zoom range:	4°-28°
Output lens diameter:	110 mm
Fixture total lumen output:	1.550 lm (integrating sphere) 1.250 lm (goniophotometer)
Illuminance:	11.000 lx lx @ 5 m

### DYNAMIC EFFECTS AND FEATURES

Colour mixing mode RGBW or CMY

Variable CTO:	2.700 – 8.000K
Virtual Colour Wheel:	with 66 preset swatches
Tungsten lamp effect at whites :	2.700K and 3.200K (red shift and thermal delay)
Colour rainbow effect with variable speed	
MCFE™ - Multi-Coloured Flower Effects – creating spectacular multicolour beam effects in the air rotating in both directions at variable speed (Patented)	
Prism:	3-facet circular rotating prism
Motorized zoom	
Shutter:	Electronic with variable speed strobe (max.20 flashes per second)
Pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100 %

### CONTROL AND PROGRAMMING

Setting & Addressing:	two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 25 steps)
Protocols:	USITT DMX-512, RDM
Wireless CRMX™ technology from Lumen Radio:	On request
DMX protocol modes:	2
Control channels:	27, 21
Pan & Tilt resolution:	16 bit
RGBW / CMY:	8 or 16 bit
Zoom:	8 or 16 bit
Dimmer:	8 or 16 bit (internal 18 bit)

### MOVEMENT

Pan movement range 540° with continuous rotation control	
Tilt movement range 360° with continuous rotation control	
Movement control:	Standard and Speed
Controllable speed of Pan & Tilt movement	
Automatic Pan & Tilt position correction	

### THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	70° C (158 °F)
Minimum operating temperature:	-5 °C (23 °F)

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100–240 V, 50/60 Hz
Power consumption:	max. 100W
Power in connector:	Neutric powerCON TRUE1 in/out
DMX and RDM data in/out:	Locking 5-pin XLR

### APPROVALS

CE Compliant
cETLus Compliant

### MECHANICAL SPECIFICATION

Height:	408 mm (16.1") – head in vertical position
Width:	277 mm (10.9")
Depth:	147 mm (5.8")
Weight:	7.3 kg (16.1 lbs)
Ingress protection rating:	IP20

### RIGGING

Mounting positions:	Horizontally or vertically
Universal operating position	
Mounting points:	1 pair of 1/4-turn locking points
1 x Omega adaptors with 1/4-turn quick locks	

Safety cable attachment point

## INCLUDED ITEMS

User Manual

Omega Adaptor CL-regular

## OPTIONAL ACCESSORIES

Wireless DMX external module:	10980127
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor	13052405
Mains Cable powerCON TRUE1 In/US, 2m, Indoor	13052406
Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor	13052445
Mains Cable powerCON TRUE1 In/open ended, 2m, Indoor	13052407
Line cords powerCON TRUE1 In/Out:	
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor	13052439
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor	13052440
Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor	13052444
Single Top Loader Case:	10120193
Quad Top Loader Case:	10120203
Eight-pack Top loader case:	10120198
Foam Shell: Quad Foam shell	20020278
Spikie/MotionCamera Single Foam Shell:	20020321

## LEGAL

Spikie+® is a Registered Trademark of Robe lighting s.r.o.

Spikie+® is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### **EU Model:**

Cardboard:	10071001
Single Top Loader Case:	10571001
Quad Top Loader Case:	10871001
Eight Top Loader Case	10971001
4pcs in foam shell, in cardboard	10071003



iPointe65® plays where you want it to! Indoors or out, whatever the weather, our IP65 rated iPointe65® gives you the perfect all-weather playmate!

Ideally suited for festivals, concerts and outdoor events, or any scenario needing to deal with inclement or unpredictable weather, the iPointe65® is a bright, high-performance multifunctional luminaire that works equally well as a beam, spot, effects and wash fixture.

Designed, developed, and manufactured, to be sealed against water and particle ingress, thereby strictly adhering to their IP65 rating, you can be confident of both its protection and performance. iPointe's aluminium housing gives a dust-free environment for the optical, gobo and colour systems, eliminating the need for frequent cleaning and maintenance.

By including NFC (Near-Field Communication) technology, you can access setup, diagnostic and performance features, even when the fixture is not powered, directly from your mobile device using the Robe Com app.

The iPointe's impressive light source is a 310W lamp, with a lifetime of up to 4.000 hours, specially developed for Robe by Osram. Providing 12.000 lm, measured at the front lens, the source produces a brilliant, crystal clear, razor-edged beam, adjustable from a tight, punchy 1.8-degree beam to a wide 42 degree spot. The beam can be accurately shaped and positioned by using the innovative framing shutter emulation.

Both static and rotating glass gobos produce precision in-air effects and projected images with a sharp, high-contrast, flat field. The dynamic effects engine provides

12 varying beam and 'flower' effects, taking this winning combination of creativity and weather resistance to new levels.

iPointe65® offers easy fixture swap with MegaPointe®, featuring the same DMX control channels and feature set, in a well-protected, water-resistant housing.

iSeries – Robe reliability in all weathers.

## Features

- IP65 ingress protection
- CRI 80/90
- Zoom Beam: 1.8°–21°  
Spot: 3°–42°
- Remote Hot-Spot Control
- Beam, Spot, Wash & XF Fixture
- CMY Colour Mixing system
- 12 Beam & Flower effects
- Rotating & Static gobos
- Animation wheel

## Specifications

### SOURCE

Lamp:	Discharge short arc lamp with integrated reflector
Approved model:	Osram Sirius HRI 310 W RO
Lamp life time:	2.500 hours @ 310W Standard mode, 3.500 hours @ 265W Eco mode
CRI:	80/90
CCT:	Light Output 7.200K Lamp 8.500K
Control:	Automatic and remote on/off
Ballast:	Electronic

### OPTICAL SYSTEM

Robe's proprietary optical design (Patent pending).

Zoom optical system:	14:1
Zoom range:	1.8°–21° beam mode 3°–42° spot mode
Output lens diameter:	150 mm
Fixture total lumen output:	12.000 lm
Illuminance:	Beam mode 1.8°: 1.600.000 lx @ 5 m Beam mode 1.8°: 100.000 lx @ 20 m Spot mode 3°: 400.000 lx @ 5 m Spot mode 3°: 25.000 lx @ 20 m

### DYNAMIC EFFECTS AND FEATURES

Cyan:	0–100 %
Magenta:	0–100 %
Yellow:	0–100 %
Colour Wheel:	13 dichroic filters + white
Rotating gobo wheel:	9 rotating gobos + open, indexable and replaceable gobos
Static gobo wheel:	14 gobos + open
Animation wheel:	Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
Innovative Effect Engine:	consisting of 6 prisms placed on two wheels, producing 12 various Beam and Flower effects (Patented)
Beam shaper:	emulating framing shutters and creating rectangular beam shapes, rotatable and indexable (Patented)
Frost:	variable 1° (light) and 5° (medium)
Motorized zoom and focus	
Remote Hot-spot control:	adjustable from 5:1 to 2.5:1 in spot mode and from 7:1 to 2.7:1 in beam mode (Patented)
Pre-programmed random strobe & pulse effects	
Dimmer:	0–100 %

### CONTROL AND PROGRAMMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, built-in analyser for easy fault finding, NFC app controller
Protocols:	USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio:	standard
DMX Protocol modes:	2
Control channels:	39, 34
Pan & Tilt resolution:	16 bit
Colour wheel positioning:	8 or 16 bit
CMY:	8 bit
CRI Selection:	80 or 90
Rotating gobo wheel positioning:	8 bit
Gobo indexing & rotation:	8 or 16 bit
Static gobo wheel positioning:	8 bit
Animation wheel:	8 bit
Animation wheel rotation:	8 or 16 bit
Prism indexing & rotation:	8 bit
Frost:	8 bit
Zoom:	8 or 16 bit
Focus:	8 or 16 bit
Hot-Spot:	8 bit
Dimmer:	8 or 16 bit

### MOVEMENT

Pan movement:	540°
Tilt movement:	265°
Movement control:	Standard and Speed
Automatic Pan & Tilt position correction	
EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)	

### ROTATING GOBOS

Glass gobos:	9 rotating gobos + open
Outside diameter:	15.9 mm
Image diameter:	12.5 mm
Thickness:	1.1 mm
High temperature borofloat or better glass	
Slot & lock system for easy replacement of gobos	

### STATIC GOBOS

Aluminium wheel with fixed gobos:	10 gobos & 4 beam reducers + open position
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### THERMAL SPECIFICATION

Maximum ambient temperature:	40 °C (104 °F)
Maximum housing temperature:	90 °C (194 °F)
Minimum operating temperature:	-10 °C (14 °F)

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100–240 V, 50/60 Hz
Power consumption:	max. 550W
Power in connector:	IP65 Neutrik powerCON TRUE1
DMX and RDM data in/out:	IP65 Locking 3-pin & 5-pin XLR connectors
Ethernet port in:	IP65 RJ45 connector

### APPROVALS

CE Compliant
cETLus Compliant (pending)

### MECHANICAL SPECIFICATION

Height:	762 mm (30.0") - head in vertical position
Width:	506 mm (19.9")
Depth:	344 mm (13.54")
Weight:	42.8 kg (94.35 lbs)
Ingress protection rating:	IP65

### RIGGING

Mounting positions:	Horizontally or vertically
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Universal operating position

Mounting points: 2 pairs of 1/4-turn locking points

2 x Omega adaptors with 1/4-turn quick locks

Pan & Tilt transport locks

Safety cable attachment point

## INCLUDED ITEMS

User Manual

Omega Adaptor CL-regular 2 pcs

Power cord including powerCON TRUE1 In connector

## OPTIONAL ACCESSORIES

Lamp Osram Sirius HRI 310W RO: 14080065

Doughty Trigger Clamp: 17030386

Safety wire 50 kg: 99011957

Single Top Loader Case: 10120275

Dual Top Loader Case: 10120276

Foam Shell: 20020401

Frost I 0,5° (exchange) 10980632

Frost I 1° (exchange) 10980633

Frost I 5° (exchange) 10980634

Frost I 10° (exchange) 10980635

Frost I 20° (exchange) 10980636

Frost I 30° (exchange) 10980637

Frost II 0,5° (exchange) 10980638

Frost II 1° (exchange) 10980639

Frost II 5° (exchange) 10980640

Frost II 10° (exchange) 10980641

Frost II 20° (exchange) 10980642

Frost II 30° (exchange) 10980643

## LEGAL

iPointe65® is a Registered Trademark of Robe lighting s. r. o.

iPointe65® is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model with Wireless:

Cardboard: 10018721

Single Top Loader Case Horizontal: 10518721

Dual Top Loader Case: 10718721

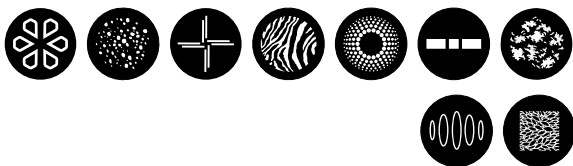
### US Model with Wireless:

Cardboard: 10018722

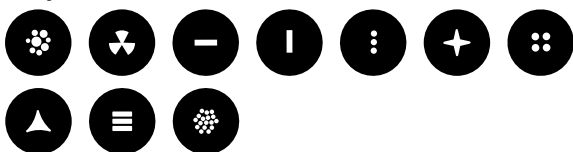
Single Top Loader Case Horizontal: 10518722

Dual Top Loader Case: 10718722

Rotating gobo wheel



Static gobo wheel







MEGA bright with MEGA features and still compact. The MegaPointe from Robe.

## OUR NEW REFERENCE POINT!

Our MegaPointe elevates the original all-in-one fixture to a whole new level. Unleash your creativity using the bright sharp parallel beams, excellent gobo projection, precise movement, smooth CMY colour mixing and dimming plus a multitude of beam splitting, wash and shaping effects.

The Robe R&D team worked with Osram to provide a 470W lamp that aligns perfectly with the cutting edge optical system. This design provides a brilliant, crystal clear, razor-edged beam, adjustable from a punchy 1.8 out to a wide 42 degree zoom.

Both static and rotating (glass) gobos produce precision in-air effects or projected images with a sharp, high-contrast, flat field.

The newly designed effects engine can produce 12 varying beam and 'flower' effects. The beam can also be shaped using innovative shutter emulation, further creating a whole new blend of content & creativity.

## Features

- Mega bright 2 200.000 lx @ 5 m
- CRI 80/90
- Zoom Beam: 1.8°–21°  
Spot: 3°–42°
- Remote Hot-Spot Control
- Beam, Spot, Wash & XF Fixture
- CMY Colour Mixing system
- 12 Beam & Flower effects
- Rotating & Static gobos
- Animation wheel

## Specifications

### SOURCE

Lamp:	Discharge short arc lamp with integrated reflector
Approved model:	Osram Sirius HRI 470 W RO
Lamp life time:	1.500 hours @ 470W Standard mode, 2.000 hours @ 380W Eco mode
CRI:	80/90
CCT:	Light Output 6.300K Lamp 7.500K
Control:	Automatic and remote on/off
Ballast:	Electronic

## OPTICAL SYSTEM

Robe's proprietary optical design (Patented).

Zoom optical system:	14:1
Zoom range:	1.8°–21° beam mode 3°–42° spot mode
Output lens diameter:	150 mm
Fixture total lumen output:	20.375 lm
Illuminance:	Beam mode 1.8°: 2 200.000 lx @ 5 m Beam mode 1.8°: 137.500 lx @ 20 m Spot mode 3°: 715.300 lx @ 5 m Spot mode 3°: 44.710 lx @ 20 m

## DYNAMIC EFFECTS AND FEATURES

Cyan:	0–100 %
Magenta:	0–100 %
Yellow:	0–100 %
Colour Wheel:	13 dichroic filters + white
Rotating gobo wheel:	9 rotating, indexable and replaceable gobos + open
Static gobo wheel:	14 gobos + open
Animation wheel:	Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
Innovative Effect Engine:	consisting of 6 prisms placed on two wheels, producing 12 various Beam and Flower effects (Patented)
Beam shaper:	emulating framing shutters and creating rectangular beam shapes, rotatable and indexable (Patented)
Frost:	variable 1° (light) and 5° (medium)
Motorized zoom and focus	
Remote Hot-spot control:	adjustable from 5:1 to 2.5:1 in spot mode and from 7:1 to 2.7:1 in beam mode (Patented)
Pre-programmed random strobe & pulse effects	
Dimmer:	0–100 %

## CONTROL AND PROGRAMMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
Protocols:	USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	2
Control channels:	39, 34
Pan & Tilt resolution:	8 or 16 bit
Colour wheel positioning:	8 or 16 bit
CMY:	8 bit
CRI Selection:	80 or 90
Rotating gobo wheel positioning:	8 bit
Gobo indexing & rotation:	8 or 16 bit
Static gobo wheel positioning:	8 bit
Animation wheel:	8 bit
Animation wheel rotation:	8 or 16 bit
Prism indexing & rotation:	8 bit
Frost:	8 bit
Zoom:	8 or 16 bit
Focus:	8 or 16 bit
Hot-Spot:	8 bit
Dimmer:	8 or 16 bit

**MOVEMENT**

Pan movement:	540°
Tilt movement:	265°
Movement control:	Standard and Speed
Automatic Pan & Tilt position correction	
EMS™ -	Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

**ROTATING GOBOS**

Glass gobos:	9 rotating gobos
Outside diameter:	15.9 mm
Image diameter:	12.5 mm
Thickness:	1.1 mm
High temperature borofloat or better glass	
Slot & lock system for easy replacement of gobos	

**STATIC – BEAM GOBOS**

Aluminium wheel with fixed gobos:	10 gobos & 4 beam reducers + open position
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**THERMAL SPECIFICATION**

Maximum ambient temperature:	45 °C (113 °F)
Maximum housing temperature:	80 °C (178 °F)
Minimum operating temperature:	-5 °C (23 °F)

**ELECTRICAL SPECIFICATION AND CONNECTIONS**

Power supply:	Electronic auto-ranging
Input voltage range:	100–240 V, 50/60 Hz
Power consumption:	max. 670W
Power in connector:	Neutrik powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in:	RJ45

**APPROVALS**

CE Compliant
cETLus Compliant

**MECHANICAL SPECIFICATION**

Height:	640 mm (25.2") - head in vertical position
Width:	396 mm (15.6")
Depth:	230 mm (9.1")
Weight:	22 kg (48.5 lbs)
Ingress protection rating:	IP20

**RIGGING**

Mounting points:	Horizontally or vertically
Universal operating position	
Mounting points:	2 pairs of 1/4-turn locking points
2 x Omega adaptors with 1/4-turn quick locks	
Pan & Tilt transport locks	
Safety cable attachment point	

**INCLUDED ITEMS**

User Manual
Omega Adaptor CL-regular 2 pcs
Power cord including powerCON TRUE1 In connector

**OPTIONAL ACCESSORIES**

Lamp Osram Sirius HRI 470W RO:	14080061
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Single Top Loader Case Horizontal:	10120232
Dual Top Loader Case Vertical:	10120229
Dual Top Loader Case Horizontal:	10120233
Quad Top Loader Case Vertical:	10120230

Foam Shell Single Vertical:	20020308
Foam Shell Dual Vertical:	20020310
Foam Shell Single Horizontal:	20020311
Frost I 0,5° (exchange)	10980632
Frost I 1° (exchange)	10980633
Frost I 5° (exchange)	10980634
Frost I 10° (exchange)	10980635
Frost I 20° (exchange)	10980636
Frost I 30° (exchange)	10980637
Frost II 0,5° (exchange)	10980638
Frost II 1° (exchange)	10980639
Frost II 5° (exchange)	10980640
Frost II 10° (exchange)	10980641
Frost II 20° (exchange)	10980642
Frost II 30° (exchange)	10980643

## LEGAL

MegaPointe® is a Registered Trademark of Robe lighting s. r. o.  
MegaPointe® is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model:

Cardboard:	10018671
Single Top Loader Case Horizontal:	10518701
Dual Top Loader Case Horizontal:	10718701
Dual Top Loader Case Vertical:	10718671
Quad Top Loader Case Vertical:	10818671

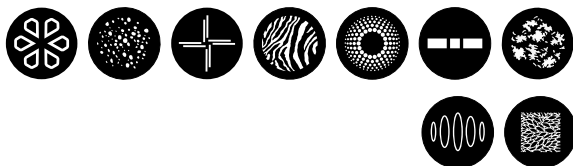
### EU Model with Wireless:

Cardboard:	10018672
Single Top Loader Case Horizontal:	10518702
Dual Top Loader Case Horizontal:	10718702
Dual Top Loader Case Vertical:	10718672
Quad Top Loader Case Vertical:	10818672

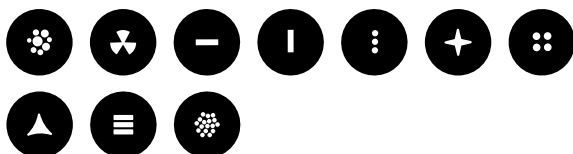
### US Model:

Cardboard:	10018673
Single Top Loader Case Horizontal:	10518703
Dual Top Loader Case Horizontal:	10718703
Dual Top Loader Case Vertical:	10718673
Quad Top Loader Case Vertical:	10818673

Rotating gobo wheel



Static gobo wheel





It's very bright and super-fast with a sharp parallel beam that cuts through the air and across video with ease. It can project a static or rotating glass gobo to produce precision in-air and surface images with an even focal plane. Tight or at full 20 degree zoom, the output is crystal clear and brilliant. Add in either rotating, 6-way linear or 8-way circular, get rid of comma prisms to create wide reaching effects across any set. Drop in the frost filter and use any of the 13 rich colours to create a smooth even wash. The Pointe has an output far greater in size, quality and power than seems possible from its small, lightweight body—due to the efficient short arc 280W discharge source and the Robe optical configuration. This new technology fixture even travels efficiently in a case of 4 and will cover all your needs - Beam, Spot, Wash, FX - there is no point in using any other fixture.

### Features

- Illuminance:
  - Beam mode: 82.400 lx @ 20 m
  - Spot mode: 90.000 lx @ 5 m
- 0° parallel Beam
- Zoom: Beam 2,5°–10° | Spot 5°–20°
- Beam, Spot, Wash & FX Fixture
- Rotating & Static Gobos
- Circular & Linear Prisms

### Specifications

#### SOURCE

Lamp:	Discharge short arc lamp with integrated reflector
Approved model:	Osram Sirius HRI 280W RO
Lifetime:	2.000 hours @ 280W Standard mode 3.000 hours @ 230W Eco mode
CRI:	75
CCT:	7.000K
Control:	Automatic and remote on/off
Ballast:	Electronic

## OPTICAL SYSTEM

Robe's proprietary optical design

Zoom range:	2.5°–10° beam application 5°–20° spot application
Output lens diameter:	110 mm
Fixture total lumen output:	Beam mode: 9.870 lm Spot mode: 5.150 lm
Illuminance:	Beam mode: 82.400 lx @ 20 m Spot mode: 90.000 lx @ 5 m

## DYNAMIC EFFECTS AND FEATURES

Colour wheel:	13 dichroic filters + white
Rotating Gobo wheel:	9 rotating, indexable and replaceable slot & lock glass gobos + open
Static Gobo wheel:	10 gobos + 4 beam reducers
Prism 1:	8-facet circular prism rotating in both directions at different speeds
Prism 2:	6-facet linear prism rotating in both directions at different speeds
Frost:	Separate, variable
Motorized zoom and focus	
Pre-programmed random strobe & pulse effects	
Dimmer: 0–100 %	

## CONTROL AND PROGRAMMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe touch screen with battery backup, ravitation sensor for auto screen positioning, operation memory service log with RTC
Protocols:	USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	3
Control channels:	24, 16, 30
Stand-alone operation	
3 editable programs, each up to 100 steps	
Pan & Tilt resolution:	8 or 16 bit
Colour wheel positioning:	8 or 16 bit
Rotating gobo wheel positioning:	8 bit
Gobo indexing & rotation:	8 or 16 bit
Static gobo wheel positioning:	8 bit
Frost:	8 bit
Zoom:	8 or 16 bit
Focus:	8 or 16 bit
Dimmer:	8 or 16 bit

## MOVEMENT

Pan movement:	540°
Tilt movement:	270°
Controllable speed of Pan & Tilt movement	

## ROTATING GOBOS

Glass gobos:	9 rotating gobos
Outside diameter:	15.9 mm
Image diameter:	12.5 mm
Thickness:	1.1 mm
High temperature borofloat or better glass	
Slot & lock system for easy replacement of gobos	

## STATIC GOBOS

Aluminium wheel with fixed gobos:	10 gobos & 4 beam reducers
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**THERMAL SPECIFICATION**

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 90 °C (194 °F)

Total heat dissipation: max. 1.600 BTU/h (calculated)

**ELECTRICAL SPECIFICATION AND CONNECTIONS**

Power supply: Electronic auto-ranging

Input voltage range: 100–240 V, 50/60 Hz

Power consumption: max. 470W

Power in connector: Neutrik powerCON

DMX and RDM data in/out: Locking 3-pin &amp; 5-pin XLR

Ethernet port in/out: RJ45

**APPROVALS**

CE Compliant

cETLus Compliant

**MECHANICAL SPECIFICATION**

Height: 575 mm (22.6") – head in vertical position

Width: 365 mm (14.3")

Depth: 250 mm (9.8")

Weight: 15 kg (33 lbs)

Ingress protection rating: IP20

**RIGGING**

Mounting points: 2 pairs of 1/4-turn locks

2x Omega adaptors with 1/4-turn quick locks

Universal operating position

Pan &amp; Tilt transport locks

Safety cable attachment point

**OPTIONAL ACCESSORIES**

Lamp Osram Sirius HRI 280W RO: 14080047-01

Doughty Trigger Clamp 17030386

Safety wire 36 kg: 99011963

Single Top Loader Case: 10120140-01

Dual Top Loader Case: 10120146-01

Quad Top Loader Case: 10120139-01

Foam Shell: 20020191

Frost 0,5° (exchange) 10980626

Frost 1° (exchange) 10980627

Frost 5° (exchange) 10980628

Frost 10° (exchange) 10980629

Frost 20° (exchange) 10980630

Frost 30° (exchange) 10980631

**LEGAL**

Pointe® is a Registered Trademark of Robe lighting s.r.o.

Pointe® is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

**ORDERING INFORMATION****EU Model:**

Cardboard: 10018451

Single Top Loader Case: 10518451

Dual Top Loader Case: 10718471

Quad Top Loader Case: 10818451

**EU Model with WIRELESS**

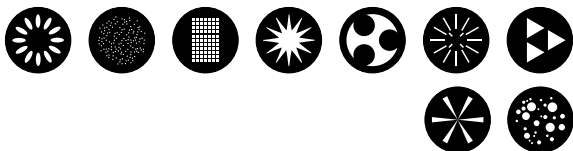
Cardboard: 10018471

Single Top Loader Case: 10518471

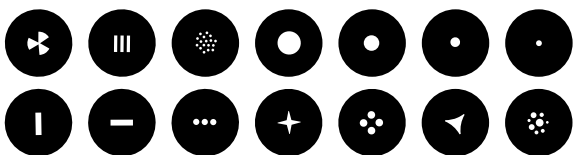
Dual Top Loader Case: 10718471

Quad Top Loader Case: 10818471

Rotating gobo wheel



Static gobo wheel







miniPointe® is a tiny agile air cutter specifically designed to produce sharp beam and aerial effects especially in venues constrained by size. Striking bright 0° parallel beams with glowing colours and static gobo wheel patterns can be multiplied by innovative Dynamic Flower Effect (DFE™) producing various shapes of flower beams dynamically changing in the air. Fine-tuned short arc of the Osram Sirius HRI 140W RO lamp and optimized optical system pushes with ease through haze and fog. Smooth variable frost filter and any one of the 13 rich colours is instantly ready to create a smooth instantly ready to create smooth even wash, extending the feature set of this petite but powerful Beam, Wash and Effect fixture.

## Features

- Bright parallel beams
- DFE™ – Dynamic Flower Effect
- Life time: 6.000 hours
- Smooth variable frost filter
- 13 rich colours
- Beam Shaper Effect

## Specifications

### SOURCE

Lamp:	Discharge short arc lamp with integrated reflector
Approved model:	Osram Sirius HRI 140 W RO
Lifetime:	6.000 hours
CRI:	65
CCT:	8.000K
Control:	Automatic and remote on/off
Ballast:	Electronic

### OPTICAL SYSTEM

Robe's proprietary optical design	
Beam angle:	3° on full open/hole 0.7° / 1.2° / 1.8° with beam reducers
Output lens diameter:	85 mm
Fixture total lumen output:	4.960 lm
Illuminance:	400.000 lx @ 5 m

### DYNAMIC EFFECTS AND FEATURES

Colour Wheel:	13 dichroic filters + white
Static gobo wheel:	10 gobos + 3 beam reducers

DFE™ – Dynamic Flower Effect – creating spectacular beam effects in the air which can change shape, size and speed of rotation (Patent pending)

Beam shaper: Variable shape, indexable and rotatable

Frost: Separate, variable

Motorized focus

Pre-programmed random strobe & pulse effects

Dimmer: smooth dimming

## CONTROL AND PROGRAMMING

Setting & Addressing: two-row LCD display & 4 control buttons

Wireless CRMX™ technology from Lumen Radio: On request

DMX Protocol modes: 3

Control channels: 22, 17, 27

Stand-alone operation

3 editable programs, each up to 40 steps

Pan & Tilt resolution: 16 bit

Colour wheel positioning: 8 or 16 bit

Static gobo wheel positioning: 8 bit

Prism indexing & rotation: 8 bit

Frost: 8 bit

Focus: 8 or 16 bit

Dimmer: 8 or 16 bit

## MOVEMENT

Tilt movement: 270°

Pan movement: 540°

Controllable speed of Pan & Tilt movement

## STATIC GOBOS

Aluminium wheel with fixed gobos: 10 gobos & 3 beam reducers

## THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 75 °C (167 °F)

Minimum operating temperature: -5 °C (23 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: max. 260W

Power in/out connector: Neutrik powerCON in/out

DMX and RDM data in/out: Locking 5-pin XLR

## APPROVALS

CE Compliant

cETLus Compliant

## MECHANICAL SPECIFICATION

Height: 480 mm (19.9") - head in vertical position

Width: 317 mm (12.5")

Depth: 204 mm (8")

Weight: 11.8 kg (26 lbs)

Ingress protection rating: IP20

## RIGGING

Mounting points: 2 pairs of 1/4-turn locks

2 x Omega adaptors with 1/4-turn quick locks

Universal operating position

Pan & Tilt transport locks

## INCLUDED ITEMS

User Manual

**OPTIONAL ACCESSORIES**

Lamp Osram Sirius HRI 140W RO:	14080051
Wireless DMX external module:	10980127
Mounting adapter for one omega holder:	10980100
Doughty Trigger Clamp:	17030386
Mains Cable powerCON In/Schuko 2m:	13051724
Mains Cable powerCON In/CEE 16A 2m:	13051725
Mains Cable powerCON In/US 2m:	13051726
Mains Cable powerCON In/open ended 2m:	13051731
Daisy Chain powerCON In/Out EU 2m:	13051727
Daisy Chain powerCON In/Out US 2m:	13051728
Single Top Loader Case:	10120168-01
Quad Top Loader Case:	10120169-01
Foam Shell:	20020225

**LEGAL**

miniPointe® is a Registered Trademark of Robe lighting s.r.o.

miniPointe® is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

**ORDERING INFORMATION****EU Model:**

Cardboard:	10018621
Single Top Loader Case:	10518621
Quad Top Loader Case:	10818621

Static gobo wheel





Take your bar, club and retail promotions to the next level with the futuristic Robe ProMotion™ moving head effects and video projector. Compact, stylish yet fast moving, this projector produces 5000 ANSI Lumens of creative output with its long-lasting LED source. With RGB and CMY colour mixing capability; digital gobos and graphic effects images and videos; dynamic range of in-built effects, the only limit is your creativity.

The ability to upload custom artwork, photographs and videos is enhanced by the live streaming input facility from external high definition multimedia interfaces. With keystone, iris and motorised focus, you have total control of your visual creations.

We offer a choice of two sets of base covers. The standard covers are suitable for stage applications, while the optional installation covers hide the control display and cables at the back of the base for an aesthetically pleasing finish.

ProMotion™ can be optionally equipped by ADM™ Automatic Distance Meter to keep projection absolutely sharp and focused without any user settings.

## Features

- High Power LED Source
- Full HD Resolution
- Easy Content Management
- Digital Gobo & Effect Wheels
- Embedded Micro-Media Server
- Easy to Control-only 25 DMX Channels

## Specifications

### SOURCE

Light source type:	RGB LED device
Lifetime:	20.000 hours
Eco mode: extended life time of LED source	

### PROJECTOR SPECIFICATION

Light output:	1000 ANSI lumens (Comparable with 5000 ANSI lumen lamp projectors)
Aspect ratio:	16:9
Resolution:	1920 x 1080
Beam angle:	17°
Throw ratio:	3.5

Contrast ratio:	500:1
Display colours:	16.7 million colours
Optional wide lens:	26°
Throw ratio wide lens:	2.3

### MAIN FEATURES

Colour mixing mode:	RGB/CMY
White light:	Variable CCT 3.200K - 9.500K
Colour effect wheel with wide range of in-built effects (colour transitions and cross-fades, multiple colour images, rainbow effects)	
Digital gobo wheel 1:	with standard gobos, images and videos
Digital gobo wheel 2:	with user's gobos, images and videos
Gobo rotation and indexing	
Video on/off and speed control	
Live input via external High Definition Multimedia Interface	
Effect wheel with wide range of graphic effects (Kaleidoscopic effect, fish eye, iris, zoom, swirl effect, pixelation effect, cross-stitching, posterization, and more...)	
Effect speed control	
Horizontal/Vertical keystoneing	
ADM™ Automatic distance meter:	On request
Grey box correction	
Motorized focus	
Pre-programmed random strobe & pulse effects	
Dimmer:	0–100 %

### CONTROL AND PROGRAMMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Protocols:	USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	1
Control channels:	25
RTC (real-time clock): built-in device to keep track of actual time in order to start and stop playback at given time	
Stand-alone operation	

### CONTENT MANAGEMENT

Upload and projection of custom artwork, still photographs and videos from USB memory stick	
Remote content management	
Internal storage:	high speed internal memory for user content – 32 GB
NAS client:	automatic content synchronization tool
Live video stream:	from remote source

### MOVEMENT

Pan movement:	540°
Tilt movement:	250°
Movement control:	Standard and Speed
Controllable speed of Pan & Tilt movement	
Automatic Pan & Tilt position correction	

### HARDWARE

Raspberry Pi, Model 3, 1GB
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### OPERATION SYSTEM

Linux OS
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### THERMAL SPECIFICATION

Maximum ambient temperature:	40 °C (104 °F)
Maximum surface temperature:	60 °C (140 °F)
Minimum operating temperature:	0 °C (32 °F)

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz

Power consumption:	max. 140W
Power in/out connector:	Neutrik powerCON TRUE1 in/out
DMX and RDM data in/out:	Locking 5-pin XLR
Ethernet port in/out:	RJ45
2x USB 2.0 connector (series A)	
External video input 1x High Definition Multimedia Interface	
Embedded Ethernet switch 10/100 Mbps:	1 x in / 1 x out

## APPROVALS

CE Compliant
cETLus Compliant

## MECHANICAL SPECIFICATION

Height:	508 mm (20") - head in vertical position
Width:	328 mm (12.91")
Depth:	283 mm (11.14") – base with stage covers 364 mm (14.3") – base with installation covers
Weight:	12 kg (26.46 lbs)

## RIGGING

Mounting points:	1 pair of 1/4-turn locks
1x Omega adaptor with 1/4-turn quick locks	
Universal operating position	
Safety cable attachment point	

## INCLUDED ITEMS

User Manual	
Omega Adaptor CL-regular:2 pcs	10980033
Power cord including powerCON TRUE1 In connector	

## OPTIONAL ACCESSORIES

Doughty Trigger Clamp:	17030386
CRMX Wireless Receiver:	13030894
Safety wire 36 kg:	99011963
Wide angle lens: 26°	10980547
Installation base covers black:	10980548
Ceiling mounting kit black:	10980551
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor:	13052439
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor:	13052440
Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor:	13052444
ADM™ Automatic distance meter: 10980549	
Single Top Loader Case: 10120265	
Quad Top Loader Case: 10120266	
Foam Shell: 20020378	

## LEGAL

ProMotion™ is a Trademark of Robe lighting s. r. o.  
ProMotion™ is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model:

Cardboard:	10018011
Single Top Loader Case:	10518011



Even the mighty need the right protection! With unique game-changing patented technology, you can shift the power outside, rain or shine, dust, smoke and haze, with the iFORTE™!

The most powerful member of the Robe iSeries, the IP65-rated iFORTE™ combines far-reaching output and feature-rich effects in a fully protected package, capable of handling all the challenges of being outdoors.

iFORTE™ negates the traditional weight penalty associated with IP-rated fixtures being only 1.5 kg heavier than the indoor FORTE™. With its class-leading form factor, size and appearance, and all the features and identical performance of the indoor original, iFORTE™ enables seamless integration with each other on the same bar if desired!

The ingenious ingress protection system has been specifically designed to allow standard maintenance and preparation procedures, such as TRANSFERABLE ENGINE exchange and gobo replacement without any additional tools, as gobo change or maintenance work can be done on-site.

The onboard RAINS™ (Robe Automatic Ingress Neutralization System) manages humidity, temperature and pressure control using an active monitoring system to automatically remove any moisture detected within the fixture and provides constant monitoring to ensure peak performance. iFORTE™ automatically runs a self-test every time it senses a cover was removed and replaced. This self-test, taking no more than 3 minutes, provides an error message if covers were not replaced correctly or locking screws were incorrectly tightened. (Patent pending).

Their magnesium and aluminium alloy housing give a dust-free environment for the optics, eliminating the need for frequent cleaning,

routine maintenance, and UV damage to plastic parts.

Ensuring lumen output remains at peak levels, even with the rigours of outdoor performance, such as water, dirt, dust, haze and smoke, our exclusive parCoat™ (particle resistant coating) hydrophobic and oleophobic coating helps prevent such particles from sticking to the output lens. Furthermore, it allows easy removal without scratching or damage.

By including NFC (Near-Field Communication) technology, you can access setup, diagnostic and performance features, even when the fixture is not powered, directly from your mobile device using the Robe Com app.

iFORTE's TE™ 1.000W iSE HP (High Performance) White LED TRANSFERABLE ENGINE generates the same, piercing 50.000 lumen fixture output. The identical 11:1 zoom optical system, with a 5.5° to 55° zoom range, provides all the flexibility you require.

Removing the need for distracting pre-use pan and tilt calibration movement, our patented MAPS™ (Motionless Absolute Positioning System) allows the fixture to fully calibrate while remaining static. Very useful when fixtures are located within confined spaces.

Our cutting-edge CMY colour mixing system provides beautifully smooth mixing and transitions. Combined with two colour wheels, CRI 80 and 90 filters (HP Engine), and a variable CTO from 3.000 – 6.700 K give iFORTE™ total colour finesse.

With the patented Plano4™ four individual plane framing shutters, two fully indexable rotating gobo wheels, an animation wheel, two independent 6-facet prisms and two MagFrost 1° and 5° frosts, you have all the creative tools you need.

Keeping up with technological advances, we have incorporated Epass™ for maintaining network connectivity, and for television users, Cpulse™ is included for flicker-free management of HD and UHD camera systems.

iFORTE™ is fully compatible with our industry-leading RoboSpot™ remote-controlled follow spot system.

iFORTE™ - Robe reliability in all weathers

## Features

- TE™ 1.000W iSE HP / iSE HCF White LED Engine
- Zoom range 5° - 55°
- Patented Plano4™ Framing Shutters Module
- RAINS™ - humidity, temperature and pressure control Management
- Cpulse™ - Flicker-free Management
- AirLOC™ - Less Optical Cleaning

## Specifications

### SOURCE

Light source type: TE™ 1.000W iSE HP White LED Engine (Patented)	
HP - High Performance Engine for maximum light output and optimal colour characteristics	
LED Engine output:	82.000 lm
Fixture total lumen output:	50.000 lm (integrating sphere)
	40.000 lm (goniophotometer)



Colour temperature output:	6.700K
CRI:	70, remotely selectable filters for CRI 80 and CRI 90
Illuminance:	113.000 lx @ 5 m
Light source type:	TE™ 1.000W iSE HCF White LED Engine (Patented)
	HCF - High Colour Fidelity Engine for the best light quality and colour reproduction
LED Engine output:	49.000 lm
Fixture total lumen output:	35.000 lm (integrating sphere) 28.000 lm (goniophotometer)
Colour temperature output:	6.000K
CRI:	94, TLCI: 91, TM-30-18 Rf: 90, TM-30-18 Rg: 98
Illuminance:	78.000 lx @ 5 m
LED life expectancy:	min. 50.000 hours
Typical lumen maintenance:	L70/B50 @ 50.000 hours
Light source warranty:	4 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design

High-efficiency 13-lens zoom optical system, ratio: 11:1

Zoom range: 5° - 55°

Output lens diameter: 180 mm

parCoat™ - (particle resistant coating) unique hydrophobic and oleophobic coating helps prevent water, dirt, dust, haze and smoke from sticking to the output lens

### DYNAMIC EFFECTS AND FEATURES

Cyan: 0-100%

Magenta: 0-100%

Yellow: 0-100%

Variable CTO: 3.000 - 6.700K

+ - Green correction function

Colour Wheel 1: 5 fixed dichroic colours+ white

Colour Wheel 2: 5 fixed dichroic colours + white

Framing shutters: Patented Plano4™ framing shutters module with 4 individually positionable blades plus rotation of the complete frame system + - 60°

Rotating gobo wheel 1: 6 rotating, indexable and replaceable breakup and aerial gobos + open, patented slot & lock system

Rotating gobo wheel 2: 6 rotating, indexable and replaceable breakup and aerial gobos + open, patented slot & lock system

Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed

MLP™ - Patented Multi-Level Prisms allow multiple prisms to be "stacked" while retaining individual speed and direction control. With variable shape and size it creates unlimited dynamic, multi-level flower and beam effects.

- Prism 1: Independent 6 facet linear prism rotating in both directions at variable speed

- Prism 2: Independent 6 facet circular prism rotating in both directions at variable speed

MagFrost™ - magnetic paddle fast change system providing exchangeable frosts containing as standard a very light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even wash, both specifically selected for theatre and TV use

Hot-Spot: From flat field to 6:1 hot-spot (optional)

Iris: Motorized, stepless, pulse effects up to 3 Hz

Motorized zoom and focus

Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects

High resolution electronic dimming: 0-100%

L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black

Extremely quiet operation suitable for all types of production in Theatre and TV

Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K

AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.

## CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding, NFC app controller

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN

REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio - on request

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity

DMX Protocol modes: 1

Control channels: 54

Pan & Tilt resolution: 16 bit

CMY & CTO: 8 bit

Colour wheel positioning: 16 bit

Framing shutters module movement & rotation: 8 bit

Rotating gobo wheel positioning: 8 bit

Gobo indexing & rotation: 16 bit

Animation wheel: 8 bit

Animation wheel rotation: 8 bit

Iris: 16 bit

Frost: 8 bit

Zoom: 16 bit

Focus: 16 bit

Dimmer: 16 bit (internal 18 bit)

## MOVEMENT

Pan movement: 540°

Tilt movement: 270°

Movement control: Standard and Speed

Controllable speed of Pan & Tilt movement

EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

MAPS™ - Motionless absolute positioning system for Pan & Tilt (Patented)

Automatic Pan & Tilt position correction

## ROTATING GOBOS

12x fully rotating, indexable glass gobos on two wheels

Outside diameter: 30.8 mm

Image diameter: 25.0 mm

Thickness: 1.1 mm

Max. thickness: 3.5 mm

High temperature borofloat or better glass

Patented slot & lock system for easy replacement of gobos

## EFFECT WHEEL

Single animation wheel

Material: Aluminium

Diameter: 112 mm

Can be used alone or in combination with rotating gobos

Rotating in both directions at variable speed

### FRAMING SHUTTERS SYSTEM

Patented Plano4™ framing shutters module

Shutters: 4 Blades, each with separate movement and +- 25° rotation control

Movement: Smooth with variable speed, ultra-fast for creating mid-air effects

Rotation: +- 60° of the complete framing system

### THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 100 °C (212 °F)

Minimum operating temperature: -5 °C (23 °F)

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: max. 1.250 W

Power connector in: IP65 Neutrik powerCON TRUE1

DMX and RDM data in/out: Locking 3-pin & 5-pin XLR connectors

Ethernet port in/out: RJ45 for Embedded Epass™ - switch 10/100 Mbps

### APPROVALS

CE Compliant

cETLus Compliant

### MECHANICAL SPECIFICATION

Height: 856 mm (33.7") - head in vertical position

Width: 480 mm (18.89")

Depth: 335 mm (13.1") - head in vertical position

Weight: 42.5 kg (93.7 lbs)

Ingress protection rating: IP65

### RIGGING

Mounting positions: 0°, 32°, 90°

Universal operating position

Mounting points: 5 pairs of 1/4-turn locking points

2x Omega adaptors with 1/4-turn quick locks

Safety cable attachment point

Pan & Tilt transport locks

### INCLUDED ITEMS

User Manual

Omega Adaptor CL-regular 2 pcs: 10980033

Power cord including powerCON TRUE1 In connector

### OPTIONAL ACCESSORIES

Frost 0.5° (exchange) assembled: 10980581

Frost 1° (exchange) assembled: 10980564

Frost 5° (exchange) assembled: 10980565

Frost 10° (exchange) assembled: 10980556

Frost 20° (exchange) assembled: 10980577

Frost 30° (exchange) assembled: 10980582

Hot-Spot lens in gobo holder: 10980557

Doughty Trigger Clamp: 17030386

Safety wire 50 kg: 99011957

Single Top Loader Case: 10120295

Dual Top Loader Case: 10120296

Foam Shell: 20020439

### LEGAL

iFORTE™ is a Trademark of Robe lighting s. r. o.

iFORTE™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

Rotating gobo wheel 1



Rotating gobo wheel 2





ForTE means Excellence, Speciality, Strength. Our FORTE™ certainly lives up to its name! With a choice of premium performance engines from our revolutionary TRANSFERABLE ENGINE technology, giving you the ability to maintain light quality, combined with a fixture packed full of specialist innovation, you have the luminaire ready to lead you into the future.

You can now choose between the TE™ 1.000W HP White LED Engine (HP – High Performance), producing the highest output possible, or the TE™ 1.000W HCF White LED Engine (HCF – High Colour Fidelity) for those requiring exception colour quality. Now you can fit either engine within the same fixture, without alignment or warranty issues, within five minutes! Without the expense, and complication of needing separate luminaires with differing sources, TRANSFERABLE ENGINES give you the right engine, in the right fixture, at the right time!

The revolutionary self-referencing, data capturing engines are all designed, developed and manufactured within our own factory (Patents pending). Performance has not been compromised, with the TE™ 1.000W HP White 6.700K LED Engine producing a piercing 50.000 lm and the TE™ 1.000W HCF White 6.000K LED Engine 35.000 lm with its exceptionally high inherent CRI of 96. The L70/B50 ratings of 50.000 hours, means longevity is assured.

Harnessing the strength of the self-referencing, data capturing TRANSFERABLE ENGINES, FORTE™ has wide ranging 5 - 55 degree zoom capability to fulfil all your spot, wash and beam applications, contained within its class-leading sub 40 kg frame. Usual output loss at the narrow zoom setting is taken care of via our ingenious Robe Patent pending narrow zoom output boost, improving performance by over 15 %, giving you a dramatically increased output, perfect for sabre like beams.

Robe's new, cutting-edge, CMY colour mixing system provides beautifully smooth colour transitions. Combined with two colour wheels, CRI 80 and 90 filters (HP Engine), and a variable CTO from 3.000 – 6.700K gives FORTE™ total colour finesse.

The comprehensive, dynamic effects package includes; two fully indexable, rotatable gobo wheels each with 6 gobos using the fast change Robe slot and lock system; two stackable 6-facet prisms, one linear, one round; animation wheel and an ultra-fast motorized iris. The two rapid insert interchangeable frosts, a soft 1° and a medium 5° for silky smooth washes cover the entire zoom range of 5-55 degrees with no restricted range cut off.

FORTE™ gives you total control via our ultra-precise patented framing shutter system, with separate blade control and the entire assembly capable of +- 60° rotation; Cpulse™ PWM control and direct Plus/Minus Green control for broadcast precision; EMS™ (Electronic Motion Stabiliser) technology, for instant stop and hysteresis elimination, making FORTE™ the ideal fixture for RoboSpot™; L3™ (Low Light Linearity) dimming producing imperceptible fades to black.

FORTE™ possesses a comprehensive protocol suite; USITT DMX 512, RDM, ArtNet, MA Net, MA Net 2, and sACN. REAP™ (Robe Ethernet Access Portal) is included for direct communication over Ethernet networks. DMX Wireless control is available on request. All this allows seamless integration into all control networks.

## Features

- TE™ 1.000W HP / HCF White LED Engine
- Zoom range 5° - 55°
- Patented Plano4™ Framing Shutters Module
- Full graphic effects engine, CMY/CTO + 2 colour wheels
- Cpulse™ - Flicker-free Management
- AirLOC™ - Less Optical Cleaning

## Specifications

### SOURCE

Light source type:	TE™ 1.000W HP White LED Engine (Patented)		
	HP - High Performance Engine for maximum light output and optimal colour characteristics		
LED Engine output:	82.000 lm		
Fixture total lumen output:	50.000 lm (integrating sphere) 40.000 lm (goniophotometer)		
Colour temperature output:	6.700K		
CRI:	70, remotely selectable filters for CRI 80 and CRI 90		
Illuminance:	113.000 lx @ 5 m		
Light source type:	TE™ 1.000W HCF White LED Engine (Patented)		
	HCF - High Colour Fidelity Engine for the best light quality and colour reproduction		
LED Engine output:	55.000 lm		
Fixture total lumen output:	35.000 lm (integrating sphere) 28.000 lm (goniophotometer)		
Colour temperature output:	6.000K		
CRI:	96, TLCI: 97, TM-30-18 Rf: 92, TM-30-18 Rg: 99		
Illuminance:	78.000 lx @ 5 m		

LED life expectancy:	min. 50.000 hours
Typical lumen maintenance:	L70/B50 @ 50.000 hours
Light source warranty:	4 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design

High-efficiency 13-lens zoom optical system, ratio:	11:1
Zoom range:	5° - 55°
Output lens diameter:	180 mm

### DYNAMIC EFFECTS AND FEATURES

Cyan:	0-100%
Magenta:	0-100%
Yellow:	0-100%
Variable CTO:	3.000 – 6.700K
+ - Green correction function	
Colour Wheel 1:	5 fixed dichroic colours+ white
Colour Wheel 2:	5 fixed dichroic colours + white
Framing shutters:	Patented Plano4™ framing shutters module with 4 individually positionable blades plus rotation of the complete frame system + - 60°
Rotating gobo wheel 1:	6 rotating, indexable and replaceable breakup and aerial gobos + open, patented slot & lock system
Rotating gobo wheel 2:	6 rotating, indexable and replaceable breakup and aerial gobos + open, patented slot & lock system
Animation wheel:	Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
Prism 1:	Independent 6-facet linear prism rotating in both directions at variable speed
Prism 2:	Independent 6-facet circular prism rotating in both directions at variable speed
Frosts:	MagFrost™ - magnetic paddle fast change system providing exchangeable frosts containing as standard a very light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even wash, both specifically selected for theatre and TV use
Hot-Spot:	From flat field to 6:1 hot-spot (optional)
Iris:	Motorized, stepless, pulse effects up to 3 Hz
Motorized zoom and focus	
Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0-100%
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	
Extremely quiet operation suitable for all types of production in Theatre and TV	
Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K	
AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.	

### CONTROL AND PROGRAMMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding, NFC app controller
Protocols:	USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
REAP™ - Robe Ethernet Access Portal	
Wireless CRMX™ technology from Lumen Radio - on request	

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity

DMX Protocol modes:	1
Control channels:	54
Pan & Tilt resolution:	16 bit
CMY & CTO:	8 bit
+ - Green correction:	8 bit
Colour wheel positioning:	16 bit
Framing shutters module movement & rotation:	8 bit
Rotating gobo wheel positioning:	8 bit
Gobo indexing & rotation:	16 bit
Animation wheel:	8 bit
Animation wheel rotation:	8 bit
Iris:	16 bit
Frost:	8 bit
Zoom:	16 bit
Focus:	16 bit
Dimmer:	16 bit (internal 18 bit)

## MOVEMENT

Pan movement:	540°
Tilt movement:	270°
Movement control:	Standard and Speed
Controllable speed of Pan & Tilt movement	
EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)	
Automatic Pan & Tilt position correction	

## ROTATING GOBOS

12x fully rotating, indexable glass gobos on two wheels	
Outside diameter:	30.8 mm
Image diameter:	25.0 mm
Thickness:	1.1 mm
Max. thickness:	3.5 mm
High temperature borofloat or better glass	
Slot & lock system for easy replacement of gobos	

## EFFECT WHEEL

Single animation wheel	
Material:	Aluminium
Diameter:	112 mm
Can be used alone or in combination with rotating gobos	
Rotating in both directions at variable speed	

## FRAMING SHUTTERS SYSTEM

Patented Plano4™ framing shutters module	
Shutters:	4 Blades, each with separate movement and +- 25° rotation control
Movement:	Smooth with variable speed, ultra-fast for creating mid-air effects
Rotation:	+- 60° of the complete framing system

## THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	100 °C (212 °F)
Minimum operating temperature:	-5 °C (23 °F)

## NOISE LEVELS

Sound pressure level:	33 dB(A) at 1 m (quiet mode) 44 dB(A) at 1 m (auto mode)
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Sound power level:	41 dB(A) (quiet mode)
	52 dB(A) (auto mode)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz
Power consumption:	max. 1.250 W
Power connector in:	Neutrik powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in/out:	RJ45 for Embedded Epass™ - switch 10/100 Mbps

## APPROVALS

CE Compliant
cETLus Compliant

## MECHANICAL SPECIFICATION

Height:	843 mm (33.2") - head in vertical position
Width:	483.5 mm (19")
Depth:	288.5 mm (11.6") - head in vertical position
Weight:	39.8 kg (87.7 lbs)
Ingress protection rating:	IP20

## RIGGING

Mounting positions:	0°, 32°, 90°
Universal operating position	
Mounting points:	5 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	
Pan & Tilt transport locks	

## INCLUDED ITEMS

User Manual	
Omega Adaptor CL-regular 2 pcs:	10980033
Power cord including powerCON TRUE1 In connector	

## OPTIONAL ACCESSORIES

Frost 0.5° (exchange) assembled:	10980581
Frost 1° (exchange) assembled:	10980564
Frost 5° (exchange) assembled:	10980565
Frost 10° (exchange) assembled:	10980556
Frost 20° (exchange) assembled:	10980577
Frost 30° (exchange) assembled:	10980582
Module of PC lens:	10980611
Module of Fresnel lens:	10980610
Hot-Spot lens in gobo holder:	10980557
Doughty Trigger Clamp:	17030386
Omega Adaptor Tall CL-regular 2 pcs in box:	10980501
Safety wire 50 kg:	99011957
Single Top Loader Case:	10120267-01
Dual Top Loader Case:	10120268
Foam Shell:	20020395-01

## LEGAL

FORTE™ is a Trademark of Robe lighting s. r. o.  
 FORTE™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model:

Cardboard:	10018361
Single Top Loader Case:	10518361
Dual Top Loader Case:	10718361

### EU Model with WIRELESS

Cardboard:	10018362
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Single Top Loader Case:	10518362
Dual Top Loader Case:	10718362
<b>US Model:</b>	
Cardboard:	10018363
Single Top Loader Case:	10518363
Dual Top Loader Case:	10718363
<b>US Model with WIRELESS</b>	
Cardboard:	10018364
Single Top Loader Case:	10518364
Dual Top Loader Case:	10718364

Rotating gobo wheel 1



Rotating gobo wheel 2





Forté means Excellence, Speciality, Strength. Our FORTE™ certainly lives up to its name! With a choice of premium performance engines from our revolutionary TRANSFERABLE ENGINE technology, giving you the ability to maintain light quality, combined with a fixture packed full of specialist innovation, you have the luminaire ready to lead you into the future.

You can now choose between the TE™ 1.000W HP White LED Engine (HP – High Performance), producing the highest output possible, or the TE™ 1.000W HCF White LED Engine (HCF – High Colour Fidelity) for those requiring exception colour quality. Now you can fit either engine within the same fixture, without alignment or warranty issues, within five minutes! Without the expense, and complication of needing separate luminaires with differing sources, TRANSFERABLE ENGINES give you the right engine, in the right fixture, at the right time!

The revolutionary self-referencing, data capturing engines are all designed, developed and manufactured within our own factory (Patents pending). Performance has not been compromised, with the TE™ 1.000W HP White 6.700K LED Engine producing a piercing 50.000 lm and the TE™ 1.000W HCF White 6.000K LED Engine 35.000 lm with its exceptionally high inherent CRI of 96. The L70/B50 ratings of 50.000 hours, means longevity is assured.

Harnessing the strength of the self-referencing, data capturing TRANSFERABLE ENGINES, FORTE™ has wide ranging 5 - 55 degree zoom capability to fulfil all your spot, wash and beam applications, contained within its class-leading sub 40 kg frame. Usual output loss at the narrow zoom setting is taken care of via our ingenious Robe Patent pending narrow zoom output boost, improving performance by over 15 %, giving you a dramatically increased output, perfect for sabre like beams.

Robe's new, cutting-edge, CMY colour mixing system provides beautifully smooth colour transitions. Combined with two colour wheels, CRI 80 and 90 filters (HP Engine), and a variable CTO from 3.000 – 6.700K gives FORTE™ total colour finesse.

The comprehensive, dynamic effects package includes; two fully indexable, rotatable gobo wheels each with 6 gobos using the fast change Robe slot and lock system; two stackable 6-facet prisms, one linear, one round; animation wheel and an ultra-fast motorized iris. The two rapid insert interchangeable frosts, a soft 1° and a medium 5° for silky smooth washes cover the entire zoom range of 5-55 degrees with no restricted range cut off.

FORTE™ gives you total control via our ultra-precise patented framing shutter system, with separate blade control and the entire assembly capable of +- 60° rotation; Cpulse™ PWM control and direct Plus/Minus Green control for broadcast precision; EMS™ (Electronic Motion Stabiliser) technology, for instant stop and hysteresis elimination, making FORTE™ the ideal fixture for RoboSpot™; L3™ (Low Light Linearity) dimming producing imperceptible fades to black.

FORTE™ possesses a comprehensive protocol suite; USITT DMX 512, RDM, ArtNet, MA Net, MA Net 2, and sACN. REAP™ (Robe Ethernet Access Portal) is included for direct communication over Ethernet networks. DMX Wireless control is available on request. All this allows seamless integration into all control networks.

The FORTE™ FS is equipped with the digital camera on the head and can be connected with the RoboSpot™ BaseStation for off-stage follow spot operation.

## Features

- TE™ 1.000W HP / HCF White LED Engine
- Zoom range 5° - 55°
- Patented Plano4™ Framing Shutters Module
- Full graphic effects engine, CMY/CTO + 2 colour wheels
- Cpulse™ - Flicker-free Management
- AirLOC™ - Less Optical Cleaning

## Specifications

### SOURCE

Light source type:	TE™ 1.000W HP White LED Engine (Patented)		
	HP - High Performance Engine for maximum light output and optimal colour characteristics		
LED Engine output:			82.000 lm
Fixture total lumen output:		50.000 lm (integrating sphere)	
		40.000 lm (goniophotometer)	
Colour temperature output:			6.700K
CRI:	70, remotely selectable filters for CRI 80 and CRI 90		
Illuminance:			113.000 lx @ 5 m
Light source type:	TE™ 1.000W HCF White LED Engine (Patented)		
	HCF - High Colour Fidelity Engine for the best light quality and colour reproduction		
LED Engine output:			55.000 lm
Fixture total lumen output:		35.000 lm (integrating sphere)	
		28.000 lm (goniophotometer)	

Colour temperature output:	6.000K
CRI:	96, TLCI: 97, TM-30-18 Rf: 92, TM-30-18 Rg: 99
Illuminance:	78.000 lx @ 5 m
LED life expectancy:	min. 50.000 hours
Typical lumen maintenance:	L70/B50 @ 50.000 hours
Light source warranty:	4 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design

High-efficiency 13-lens zoom optical system, ratio:	11:1
Zoom range:	5° - 55°
Output lens diameter:	180 mm

### DYNAMIC EFFECTS AND FEATURES

Cyan:	0–100%
Magenta:	0–100%
Yellow:	0–100%
Variable CTO:	3.000 – 6.700K
+ - Green correction function	
Colour Wheel 1:	5 fixed dichroic colours+ white
Colour Wheel 2:	5 fixed dichroic colours + white
Framing shutters:	Patented Plano4™ framing shutters module with 4 individually positionable blades plus rotation of the complete frame system + - 60°
Rotating gobo wheel 1:	6 rotating, indexable and replaceable breakup and aerial gobos + open, patented slot & lock system
Rotating gobo wheel 2:	6 rotating, indexable and replaceable breakup and aerial gobos + open, patented slot & lock system
Animation wheel:	Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
Prism 1:	Independent 6-facet linear prism rotating in both directions at variable speed
Prism 2:	Independent 6-facet circular prism rotating in both directions at variable speed
Frosts:	MagFrost™ - magnetic paddle fast change system providing exchangeable frosts containing as standard a very light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even wash, both specifically selected for theatre and TV use
Hot-Spot:	From flat field to 6:1 hot-spot (optional)
Iris:	Motorized, stepless, pulse effects up to 3 Hz
Motorized zoom and focus	
Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100%
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	
Extremely quiet operation suitable for all types of production in Theatre and TV	
Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K	
AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.	

### CONTROL AND PROGRAMMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding, NFC app controller

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN  
REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio - on request

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity

DMX Protocol modes:	1
Control channels:	54
Pan & Tilt resolution:	16 bit
CMY & CTO:	8 bit
+ - Green correction:	8 bit
Colour wheel positioning:	16 bit
Framing shutters module movement & rotation:	8 bit
Rotating gobo wheel positioning:	8 bit
Gobo indexing & rotation:	16 bit
Animation wheel:	8 bit
Animation wheel rotation:	8 bit
Iris:	16 bit
Frost:	8 bit
Zoom:	16 bit
Focus:	16 bit
Dimmer:	16 bit (internal 18 bit)

## MOVEMENT

Pan movement:	540°
Tilt movement:	270°
Movement control:	Standard and Speed
Controllable speed of Pan & Tilt movement	
EMS™ -	Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)
Automatic Pan & Tilt position correction	

## ROTATING GOBOS

12x fully rotating, indexable glass gobos on two wheels	
Outside diameter:	30.8 mm
Image diameter:	25.0 mm
Thickness:	1.1 mm
Max. thickness:	3.5 mm
High temperature borofloat or better glass	
Slot & lock system for easy replacement of gobos	

## EFFECT WHEEL

Single animation wheel	
Material:	Aluminium
Diameter:	112 mm
Can be used alone or in combination with rotating gobos	
Rotating in both directions at variable speed	

## CAMERA

Type: SNZ-6320	
Resolution:	1920 x 1080, 16:9 Full HD (1080p) resolution support
Zoom:	32x optical zoom 16x digital zoom
Streaming:	H.264, MJPEG dual codec, Multiple streaming
Vision:	Day & Night (ICR), WDR (120dB)
Minimum illumination:	0.3 Lux

## FRAMING SHUTTERS SYSTEM

Patented Plano4™ framing shutters module

Shutters:	4 Blades, each with separate movement and +- 25° rotation control
Movement:	Smooth with variable speed, ultra-fast for creating mid-air effects
Rotation:	+- 60° of the complete framing system

#### THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	100 °C (212 °F)
Minimum operating temperature:	-5 °C (23 °F)

#### NOISE LEVELS

Sound pressure level:	33 dB(A) at 1 m (quiet mode) 44 dB(A) at 1 m (auto mode)
Sound power level:	41 dB(A) (quiet mode) 52 dB(A) (auto mode)

#### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz
Power consumption:	max. 1.250 W
Power connector in:	Neutrik powerCON TRUE1
DMX and RDM data in/out:	Locking 5-pin XLR
Ethernet port out:	RJ45 - camera video output
Ethernet port in/out:	RJ45 for Embedded Epass™ - switch 10/100 Mbps

#### APPROVALS

CE Compliant
cETLus Compliant

#### MECHANICAL SPECIFICATION

Height:	843 mm (33.2") - head in vertical position
Width:	483.5 mm (19")
Depth:	288.5 mm (11.6") - head in vertical position
Weight:	41.2 kg (90.8 lbs)
Ingress protection rating:	IP20

#### RIGGING

Mounting positions:	0°, 32°, 90°
Universal operating position	
Mounting points:	5 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	
Pan & Tilt transport locks	

#### INCLUDED ITEMS

User Manual	
Omega Adaptor CL-regular 2 pcs:	10980033
Power cord including powerCON TRUE1 In connector	
RoboSpot Camera	

#### OPTIONAL ACCESSORIES

Frost 0.5° (exchange) assembled:	10980581
Frost 1° (exchange) assembled:	10980564
Frost 5° (exchange) assembled:	10980565
Frost 10° (exchange) assembled:	10980556
Frost 20° (exchange) assembled:	10980577
Frost 30° (exchange) assembled:	10980582
Hot-Spot lens in gobo holder:	10980557
Doughty Trigger Clamp:	17030386
Omega Adaptor Tall CL-regular 2 pcs in box:	10980501
Safety wire 50 kg:	99011957

Single Top Loader Case:	10120267-01
Dual Top Loader Case:	10120268
Foam Shell:	20020395-01

## LEGAL

FORTE™ FS is a Trademark of Robe lighting s. r. o.

FORTE™ FS is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model:

Cardboard:	10018371
Single Top Loader Case:	10518371
Dual Top Loader Case:	10718371

### EU Model with WIRELESS

Cardboard:	10018373
Single Top Loader Case:	10518373
Dual Top Loader Case:	10718373

### US Model:

Cardboard:	10018373
Single Top Loader Case:	10518373
Dual Top Loader Case:	10718373

Rotating gobo wheel 1



Rotating gobo wheel 2







Robe, the recognised leader in moving light technology, has made another major leap in innovation. The new ESPRITE™ Profile LED automated luminaire has a fast-change, low-cost, transferable light engine ingeniously solving the problem of performance longevity for those preferring the higher brightness of white source LEDs as an obvious replacement for their aging stock of discharge workhorses.

With our unique, ground-breaking TRANSFERABLE ENGINE technology, you have a choice of engines. The TE™ 650W HP White LED Engine (HP – High Performance), producing the highest output possible, or the TE™ 650W HCF White LED Engine (HCF - High Colour Fidelity) for those requiring exceptional colour quality. Now you can fit either engine within the same fixture, without alignment or warranty issues, within five minutes! Without the expense, and complication of needing to have separate luminaires with differing sources, TRANSFERABLE ENGINES give you the right engine, in the right fixture, at the right time!

The revolutionary self-referencing, data capturing engines are all designed, developed and manufactured within our own factory (Patents pending). Performance has not been compromised, with the TE™ 650W HP White 6.700K LED Engine producing a piercing 34.000 lm and the TE™ 650W HCF White 6.000K LED Engine 24.000 lm with its exceptionally high inherent CRI of 96. The L70/B50 ratings of 50.000 hours, means longevity is assured.

This is enhanced by our legendary precision optics to produce crystal clear white light. The comprehensive feature set includes: Flat field CMY mixing; variable CTO; remotely selectable CRI 70/80/90 (HP Engine); two fast colour wheels; rotating and static gobo wheels; 6-facet rotating prism; 1° soft edge and 5° even wash frosts; an animation wheel and spectacular multi-colour effects. Quick, accurate, easy framing is provided via our patented fast framing shutter module with individual blade control and +/-60° rotation capability for extra fine control. The ESPRITE™ Profile by design removes any airflow over the optics, resulting in reduced residue deposits thus extending periods between cleaning.

Furthermore, the unique Hot-Spot feature allows you to move from a flat field beam to a 6:1 ratio hot-spot beam giving uniform intensity when overlaying beam edges to create smooth washes of light. The Cpulse™ flicker-free management system operates beautifully with the latest HD and UHD camera systems, and our L3™ Low Light Linearity dimming for ultra-smooth fade to black for seamless integration into traditional lighting rigs.

## Features

- TE™ 650W HP / HCF White LED Engine
- Variable CCT 3.000 – 6.700K
- CRI 70/80/90
- Zoom range: 5.5°–50°
- Framing shutters
- Cpulse™ - flicker-free Management

## Specifications

### SOURCE

Light source type: TE™ 650W HP White LED Engine (Patented)

HP - High Performance Engine for maximum light output and optimal colour characteristics

LED Engine output: 55.000 lm

Fixture total lumen output: 34.000 lm (integrating sphere)  
27.000 lm (goniophotometer)

Colour temperature output: 6.700K

CRI: 70, remotely selectable filters for CRI 80 and CRI 90

Illuminance: 85.000 lx @ 5 m

Light source type: TE™ 650W HCF White LED Engine (Patented)

HCF - High Colour Fidelity Engine for the best light quality and colour reproduction

LED Engine output: 37.500 lm

Fixture total lumen output: 24.000 lm (integrating sphere)  
19.000 lm (goniophotometer)

Colour temperature output: 6.000K

CRI: CRI: 96, TLCI: 97, TM-30-18 Rf: 92, TM-30-18 Rg: 99

Illuminance: 59.000 lx @ 5 m

LED life expectancy: min. 50.000 hours

Typical lumen maintenance: L70/B50 @ 50.000 hours

Light source warranty: 4 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design

High-efficiency 13-lens zoom optical system, ratio: 9:1

Zoom range: 5.5°–50°

Output lens diameter: 150 mm

### DYNAMIC EFFECTS AND FEATURES

Cyan: 0–100 %

Magenta: 0–100 %

Yellow: 0–100 %

Variable CTO: 3.000 – 6.700K

Colour Wheel 1: 5 fixed dichroic colours + white

Colour Wheel 2: 5 fixed dichroic colours + white

Framing shutters: Patented Plano4™

framing shutters module with 4 individually positionable blades  
plus rotation of the complete frame system + - 60°

Rotating gobo wheel: 7 rotating, indexable and replaceable breakup and  
aerial gobos + open, patented slot & lock system

Static gobo wheel: 9 static and replaceable gobos + open

Animation wheel:	Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
Prism:	6-facet prism rotating in both directions at variable speed
Iris:	Motorized, stepless, pulse effects up to 3 Hz
Frosts:	MagFrost™ - magnetic paddle fast change system providing exchangeable frosts containing as standard a very light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even wash, both specifically selected for theatre and TV use
Hot-Spot:	from flat field to 6:1 hot-spot (optional)
Motorized zoom and focus	
Electronic strobe effect with variable speed up to 20 Hz	
High resolution electronic dimming:	0–100 %
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	
Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K	
AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.	

### CONTROL AND PROGRAMMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
Protocols:	USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
REAP™ - Robe Ethernet Access Portal	
Wireless CRMX™ technology from Lumen Radio:	On request
Epas™ -	Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request
DMX Protocol modes:	4
Control channels:	49, 42, 50, 43
Pan & Tilt resolution:	16 bit
CMY & CTO:	8 bit
+ - Green correction:	8 bit
Colour wheel positioning:	8 or 16 bit
Framing shutters module movement & rotation:	8 bit
Rotating gobo wheel positioning:	8 bit
Gobo indexing & rotation:	8 or 16 bit
Static gobo wheel positioning:	8 bit
Animation wheel:	8 bit
Animation wheel rotation:	8 bit
Iris:	8 or 16 bit
Frost:	8 bit
Zoom:	8 or 16 bit
Focus:	8 or 16 bit
Dimmer:	8 or 16 bit (internal 18 bit)

### MOVEMENT

Pan movement:	540°
Tilt movement:	265°
Movement control:	Standard and Speed
EMS™ -	Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)
Automatic Pan & Tilt position correction	

### ROTATING GOBOS

7x rotating glass gobos	
Outside diameter:	26.8 mm

Image diameter:	23.5 mm
Thickness:	1.1 mm
Max. thickness:	3.5 mm
High temperature borofloat or better glass	
Slot & lock system for easy replacement of gobos	

## STATIC GOBOS

9x static glass gobos	
Outside diameter:	26.8 mm
Image diameter:	23.5 mm
Thickness:	1.1 mm
Max. thickness:	3.5 mm
High temperature borofloat or better glass	

## EFFECT WHEEL

Single animation wheel	
Material:	Aluminium
Can be used alone or in combination with rotating gobos	
Rotating in both directions, variable speed	

## FRAMING SHUTTERS SYSTEM

Patented Plano4™ framing shutters module	
Shutters:	4 Blades, each with separate movement and +- 25° rotation control
Movement:	Smooth with variable speed, ultrafast blade movements for creating mid-air effects
Rotation:	+- 60° of the complete framing system

## THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	80 °C (176 °F)
Minimum operating temperature:	-5 °C (23 °F)
Total heat dissipation:	max. 2.430 BTU/h (calculated)

## NOISE LEVELS

Sound pressure level:	27 dB(A) at 1 m (quiet mode)
	42 dB(A) at 1 m (auto mode)
Sound power level:	35 dB(A) (quiet mode)
	50 dB(A) (auto mode)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz
Power consumption:	Standard mode max. 870W
	High-power mode max. 950W
Power in connector:	Neutrik powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in:	RJ45
Ethernet port in/out:	RJ45 for Embedded Epass™ - switch 10/100 Mbps - on request

## APPROVALS

CE Compliant
cETLus Compliant

## MECHANICAL SPECIFICATION

Height:	733 mm (28.9") - head in vertical position
Width:	443 mm (17.4")
Depth:	264 mm (10.4") - head in vertical position
Weight:	28.2 kg (62.2 lbs)
Ingress protection rating:	IP20

**RIGGING**

Mounting positions: Horizontally or vertically

Universal operating position

Mounting points: 5 pairs of 1/4-turn locking points

2x Omega adaptors with 1/4-turn quick locks

Safety cable attachment point

Pan & Tilt transport locks

**INCLUDED ITEMS**

User Manual

Omega Adaptor CL-regular 2 pcs: 10980033

Power cord including powerCON TRUE1 In connector

**OPTIONAL ACCESSORIES**

Frost 0.5° (exchange) assembled: 10980583

Frost 10° (exchange) assembled: 10980497

Frost 20° (exchange) assembled: 10980574

Frost 30° (exchange) assembled: 10980584

Hot-Spot lens in gobo holder: 10980483

Gel frame adaptor: 10980463

Gel frame: 10980464

Doughty Trigger Clamp: 17030386

Omega Adaptor Tall CL-regular 2 pcs in box: 10980501

Safety wire 36 kg: 99011963

Single Top Loader Case: 10120254

Dual Top Loader Case: 10120255

Foam Shell: 20020357

Top Hat: 10980568

**LEGAL**

ESPRITE™ is a Trademark of Robe lighting s. r. o.

ESPRITE™ is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents

**ORDERING INFORMATION****EU model**

Cardboard 10018311

Single Top Loader Case 10518311

Dual Top Loader Case 10718311

**EU model with wireless**

Cardboard 10018312

Single Top Loader Case 10518312

Dual Top Loader Case 10718312

**US model**

Cardboard 10018313

Single Top Loader Case 10518313

Dual Top Loader Case 10718313

Static gobo wheel



Rotating gobo wheel





The revolutionary ESPRITE Profile is now available in a Follow Spot version to seamlessly integrate into the award-winning Robe RoboSpot system.

The ESPRITE FS is equipped with a digital camera, mounted on the head, allowing it to be connected to the Robe RoboSpot Base Station for remote Follow Spot control.

With our unique, ground-breaking TRANSFERABLE ENGINE technology, you have a choice of engines. The TE™ 650W HP White LED Engine (HP – High Performance), producing the highest output possible, or the TE™ 650W HCF White LED Engine (HCF – High Colour Fidelity) for those requiring exceptional colour quality. Now you can fit either engine within the same fixture, without alignment or warranty issues, within five minutes! Without the expense, and complication of needing to have separate luminaires with differing sources, TRANSFERABLE ENGINES give you the right engine, in the right fixture, at the right time!

The revolutionary self-referencing, data capturing engines are all designed, developed and manufactured within our own factory (Patents pending). Performance has not been compromised, with the TE™ 650W HP White 6.700K LED Engine producing a piercing 34.000 lm and the TE™ 650W HCF White 6.000K LED Engine 24.000 lm with its exceptionally high inherent CRI of 96. The L70/B50 ratings of 50.000 hours, means longevity is assured.

This is enhanced by our legendary precision optics to produce crystal clear white light, ideal for Follow Spot applications. The comprehensive feature set is all available on the FS version and includes: Flat field CMY mixing; variable CTO; remotely selectable CRI 70/80/90 (HP Engine);

two fast colour wheels; one indexable and rotatable gobo wheel; a fixed gobo wheel CTO filters; 6-facet rotating prism; 1° soft edge and 5° wash type frosts; an animation wheel and spectacular multi-colour effects. Quick, accurate, easy framing is provided, if required, via our patented fast framing shutter module with individual blade control and +/-60° rotation capability for extra fine control. ESPRITE Profile by design removes any airflow over the optics, resulting in reduced residue deposits thus extending periods between cleaning.

By including Cpulse™ flicker-free management system for the latest cameras, and our L3™ Low Light Linearity dimming for ultra-smooth fade to black for seamless integration into traditional lighting rigs, you have a feature rich, very high output, long lasting, future proof package ideal for Follow Spot applications in a compact 29.4 kg housing.

## Features

- TE™ 650W HP / HCF White LED Engine
- Variable CCT 3.000 – 6.700K
- CRI 70/80/90
- Zoom range: 5.5°–50°
- Framing shutters
- Cpulse™ - flicker-free Management

## Specifications

### SOURCE

Light source type:	TE™ 650W HP White LED Engine (Patented)		
	HP - High Performance Engine for maximum light output and optimal colour characteristics		
LED Engine output:			37.500 lm
Fixture total lumen output:		24.000 lm (integrating sphere)	
		19.000 lm (goniophotometer)	
Colour temperature output:			6.700K
CRI:	70,	remotely selectable filters for CRI 80 and CRI 90	
Illuminance:			85.000 lx @ 5 m
Light source type:	TE™ 650W HCF White LED Engine (Patented)		
	HCF - High Colour Fidelity Engine for the best light quality and colour reproduction		
LED Engine output:			33.000 lm
Fixture total lumen output:		22.000 lm (integrating sphere)	
		17.000 lm (goniophotometer)	
Colour temperature output:			6.000K
CRI:	96, TLCI: 97,	TM-30-18 Rf: 92, TM-30-18 Rg: 99	
Illuminance:			59.000 lx @ 5 m
LED life expectancy:			min. 50.000 hours
Typical lumen maintenance:			L70/B50 @ 50.000 hours
Light source warranty:			4 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design

High-efficiency 13-lens zoom optical system, ratio:	9:1
Zoom range:	5.5°–50°
Output lens diameter:	150 mm

### DYNAMIC EFFECTS AND FEATURES

Cyan:	0–100 %
Magenta:	0–100 %
Yellow:	0–100 %
Variable CTO:	3.000 – 6.700K
+ - Green correction function	
Colour Wheel 1:	5 fixed dichroic colours + white
Colour Wheel 2:	5 fixed dichroic colours + white

Patented Plano4™ framing shutters module with 4 individually positionable blades plus rotation of the complete frame system + - 60°

Rotating gobo wheel: 7 rotating, indexable and replaceable breakup and aerial gobos + open, patented slot & lock system

Static gobo wheel: 9 static and replaceable gobos + open

Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed

Prism: 6-facet prism rotating in both directions at variable speed

Iris: Motorized, stepless, pulse effects up to 3 Hz

Frosts: MagFrost™ - magnetic paddle fast change system providing exchangeable frosts containing as standard a very light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even wash, both specifically selected for theatre and TV use

Hot-Spot: from flat field to 6:1 hot-spot (optional)

Motorized zoom and focus

Electronic strobe effect with variable speed up to 20 Hz

High resolution electronic dimming: 0–100 %

L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black

Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K

AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.

## CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN

Wireless CRMX™ technology from Lumen Radio: On request

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request

DMX Protocol modes: 4

Control channels: 49, 42, 50, 43

Pan & Tilt resolution: 16 bit

CMY & CTO: 8 bit

+ - Green correction: 8 bit

Colour wheel positioning: 8 or 16 bit

Framing shutters module movement & rotation: 8 bit

Rotating gobo wheel positioning: 8 bit

Gobo indexing & rotation: 8 or 16 bit

Static gobo wheel positioning: 8 bit

Animation wheel: 8 bit

Animation wheel rotation: 8 bit

Iris: 8 or 16 bit

Frost: 8 bit

Zoom: 8 or 16 bit

Focus: 8 or 16 bit

Dimmer: 8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement: 540°

Tilt movement: 265°

Movement control: Standard and Speed



EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Automatic Pan & Tilt position correction

### ROTATING GOBOS

7x rotating glass gobos

Outside diameter: 26.8 mm

Image diameter: 23.5 mm

Thickness: 1.1 mm

Max. thickness: 3.5 mm

High temperature borofloat or better glass

Slot & lock system for easy replacement of gobos

### STATIC GOBOS

9x static glass gobos

Outside diameter: 26.8 mm

Image diameter: 23.5 mm

Thickness: 1.1 mm

Max. thickness: 3.5 mm

High temperature borofloat or better glass

### EFFECT WHEEL

Single animation wheel

Material: Aluminium

Can be used alone or in combination with rotating gobos

Rotating in both directions, variable speed

### FRAMING SHUTTERS SYSTEM

Patented Plano4™ framing shutters module

Shutters: 4 Blades, each with separate movement and +- 25° rotation control

Movement: Smooth with variable speed, ultrafast blade movements for creating mid-air effects

Rotation: +- 60° of the complete framing system

### CAMERA

Type: SNZ-6320

Resolution: 1920 x 1080, 16:9 Full HD (1080p) resolution support

Zoom: 32x optical zoom  
16x digital zoom

Streaming: H.264, MPEG dual codec, Multiple streaming

Vision: Day & Night (ICR), WDR (120dB)

Minimum illumination: 0.3 Lux

### THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 80 °C (176 °F)

Minimum operating temperature: -5 °C (23 °F)

### NOISE LEVELS

Sound pressure level: 27 dB(A) at 1 m (quiet mode)  
42 dB(A) at 1 m (auto mode)

Sound power level: 35 dB(A) (quiet mode)  
50 dB(A) (auto mode)

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: Standard mode max. 870W  
High-power mode max. 950W

Power in connector: Neutrik powerCON TRUE1

DMX and RDM data in/out: Locking 3-pin & 5-pin XLR

Ethernet port in: RJ45

Ethernet port out: RJ45 - camera video output

Ethernet port in/out: RJ45 (instead of 3-pin XLR) for Embedded Epass™ switch 10/100 Mbps - on request

## APPROVALS

CE Compliant  
cETLus Compliant

## MECHANICAL SPECIFICATION

Height:	733 mm (28.9") - head in vertical position
Width:	443 mm (17.4")
Depth:	264 mm (10.4") - head in vertical position
Weight:	29.4 kg (64.8 lbs)
Ingress protection rating:	IP20

## RIGGING

Mounting positions:	Horizontally or vertically
Universal operating position	
Mounting points:	5 pairs of 1/4-turn locking points
Omega Adaptor CL-regular 2 pcs:	10980033
Safety cable attachment point	
Pan & Tilt transport locks	

## INCLUDED ITEMS

User Manual  
Omega Adaptor CL-regular 2 pcs  
Power cord including powerCON TRUE1 In connector  
RoboSpot Camera

## OPTIONAL ACCESSORIES

Frost 0.5° (exchange) assembled:	10980583
Frost 10° (exchange) assembled:	10980497
Frost 20° (exchange) assembled:	10980574
Frost 30° (exchange) assembled:	10980584
Hot-Spot lens in gobo holder:	10980483
Gel frame adaptor:	10980463
Gel frame:	10980464
Doughty Trigger Clamp:	17030386
Omega Adaptor Tall CL-regular 2 pcs in box:	10980501
Safety wire 36 kg:	99011963
Single Top Loader Case:	10120254
Dual Top Loader Case:	10120255
Foam Shell:	20020357
Top hat:	10980568

## LEGAL

ESPRITE™ FS is a Trademark of Robe lighting s. r. o.  
ESPRITE™ FS is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU model

Cardboard	10018321
Single Top Loader Case	10518321
Dual Top Loader Case	10718321

### EU model with wireless

Cardboard	10018322
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### US model

Cardboard	10018323
Single Top Loader Case	10518323
Dual Top Loader Case	10718323

Static gobo wheel



Rotating gobo wheel





ESPRITE™ Fresnel is for those demanding a classic Fresnel beam whilst enjoying the many advantages of our TE™ Transferable Engines. With this unique, ground-breaking technology, you have a choice of engines.

The TE™ 650W HP White LED Engine (HP – High Performance), producing the highest output possible, or the TE™ 650W HCF White LED Engine (HCF – High Colour Fidelity) for those requiring exceptional colour quality. Now you can fit either engine within the same fixture, without alignment or warranty issues, within five minutes! Without the expense, and complication of needing to have separate luminaires with differing sources, TRANSFERABLE ENGINES give you the right engine, in the right fixture, at the right time!

The revolutionary self-referencing, data capturing engines are all designed, developed and manufactured within our own factory (Patents pending). Performance has not been compromised, with the TE™ 650W HP White 6.700K LED Engine producing a piercing 34.500 lm and the TE™ 650W HCF White 6.000K LED Engine 23.500 lm with its exceptionally high inherent CRI of 96. The L70/B50 ratings of 50.000 hours, means longevity is assured.

The comprehensive feature set includes: Flat field CMY mixing; variable CTO; remotely selectable CRI 70/80/90 (HP Engine); two fast colour wheels; medium and light frosts; Scrim with graduated filter position control with +/- 180° rotation and edge colour correction for added finesse.

A quick, accurate internal barndoor provides individual blade control and +/- 90° module rotation, whilst a wide zoom range of 6 - 61° ensures maximum flexibility.

Furthermore, these fixtures are enhanced by Cpulse™, the flicker-free management system for the latest cameras; EMS™ for enhanced motion stability and L3™ Low Light Linearity dimming, for ultra-smooth fade to black allowing seamless integration with traditional lighting rigs.

## Features

- TE™ 650W HP / HCF White LED Engine
- Zoom range: 6°–61°
- Variable CCT 3.000 – 6.700K
- CRI 70/80/90
- Framing shutters
- Cpulse™ - Flicker Free Management

## Specifications

### SOURCE

Light source type:	TE™ 650W HP White LED Engine (Patented)
HP - High Performance Engine for maximum light output and optimal colour characteristics	
LED Engine output:	55.000 lm
Fixture total lumen output:	34.500 lm (integrating sphere) 27.400 lm (goniophotometer)
Colour temperature output:	6.700K
CRI:	70, remotely selectable filters for CRI 80 and CRI 90
Illuminance:	85.000 lx @ 5 m
Light source type:	TE™ 650W HCF White LED Engine (Patented)
HCF - High Colour Fidelity Engine for the best light quality and colour reproduction	
LED Engine output:	33.000 lm
Fixture total lumen output:	23.500 lm (integrating sphere) 18.700 lm (goniophotometer)
Colour temperature output:	6.000K
CRI:	96, TLCI: 97, TM-30-18 Rf: 92, TM-30-18 Rg: 99
Illuminance:	52.000 lx @ 5 m
LED life expectancy:	min. 50.000 hours
Typical lumen maintenance:	L70/B50 @ 50.000 hours
Light source warranty:	4 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency 13-lens zoom optical system, ratio:	10:1
Zoom range:	6°-61°
Output lens diameter:	156 mm

### DYNAMIC EFFECTS AND FEATURES

Cyan:	0-100 %
Magenta:	0-100 %
Yellow:	0-100 %
Variable CTO:	3.000 - 6.700K
+ - Green correction function	
Colour Wheel 1:	5 fixed dichroic colours + white
Colour Wheel 2:	5 fixed dichroic colours + white
4Door™ -	Internal Barndoors with individual control of the four leaves for added beam control of wash light, with +/- 90° module rotation. (Patented)
MagFrost™ -	Magnetic paddle fast change system providing exchangeable frosts containing as standard light 5° and medium 10° frost filters
RotaScrim™ -	Internal Scrimmodule with graduated filter position control for asymmetrical style lighting of drapes and unwanted hotspot removal from scenery. The entire module can be rotated +/- 180°. (Patented)
Motorized zoom and focus	
Edge colour correction	
Electronic strobe effect with variable speed up to 20 Hz	
Pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0-100 %
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	
Cpulse™ -	special flicker-free management for HD and UHD cameras, ready for 8K and 16K
AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.	

# ESPRITE™ Fresnel

## CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN

Wireless CRMX™ technology from Lumen Radio: On request

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request

DMX Protocol modes: 4

Control channels: 34, 30, 35, 31

Pan & Tilt resolution: 16 bit

CMY & CTO: 8 bit

+ - Green correction: 8 bit

Colour wheel positioning: 8 or 16 bit

Internal barndoor module movement & rotation: 8 bit

Internal scrim module movement & rotation: 8 bit

Edge colour correction

Frost: 8 bit

Zoom: 8 or 16 bit

Dimmer: 8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement: 540°

Tilt movement: 265°

Movement control: Standard and Speed

EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Automatic Pan & Tilt position correction

## INTERNAL BARNDOORS

Patented 4Door™ internal barndoors module:

- Barndoors: 4 blades, each with separate movement control

- Rotation: +/- 90° module rotation

## INTERNAL SCRIM

Patented RotaScrim™ internal Scrim module:

- Graduated filter position control

- Rotation: +/- 180° of the entire module

## THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 80 °C (176 °F)

Minimum operating temperature: -5 °C (23 °F)

## NOISE LEVELS

Sound pressure level: 27 dB(A) at 1 m (quiet mode)  
42 dB(A) at 1 m (auto mode)

Sound power level: 35 dB(A) (quiet mode)  
50 dB(A) (auto mode)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: Standard mode max. 870W  
High-power mode max. 950W

Power in connector:	Neutrik powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in:	RJ45
Ethernet port in/out:	RJ45 for Embedded Epass™ switch 10/100 Mbps - on request

### APPROVALS

CE Compliant

cETLus Compliant

### MECHANICAL SPECIFICATION

Height:	719 mm (28.31") - head in vertical position
Width:	443 mm (17.4")
Depth:	264 mm (10.4") - head in vertical position
Weight:	26 kg (57.3 lbs)
Ingress protection rating:	IP20

### RIGGING

Mounting positions:	Horizontally or vertically
Universal operating position	
Mounting points:	5 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	
Pan & Tilt transport locks	

### INCLUDED ITEMS

User Manual	
Omega Adaptor CL-regular 2 pcs:	10980033
Power cord including powerCON TRUE1 In connector	
Gel frame adaptor:	99016002
Top hat:	10980535

### OPTIONAL ACCESSORIES

Gel frame:	10980452
Module of Fresnel lens for Esprite PC:	10980532
Doughty Trigger Clamp:	17030386
Omega Adaptor Tall CL-regular 2 pcs in box:	10980501
Safety wire 36 kg:	99011963
Single Top Loader Case:	10120254
Dual Top Loader Case:	10120255
Foam Shell:	20020357

### LEGAL

ESPRITE™ Fresnel is a Trademark of Robe lighting s. r. o.

ESPRITE™ Fresnel is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents

### ORDERING INFORMATION

#### EU model

Cardboard	10028211
Single Top Loader Case	10528211
Dual Top Loader Case	10728211

#### EU model with wireless

Cardboard	10028212
Single Top Loader Case	10528212
Dual Top Loader Case	10728212

#### US model

Cardboard	10028213
Single Top Loader Case	10528213
Dual Top Loader Case	10728213

Barndoor shapes and effects





The ESPRITE PC offers you a dynamic, high performance wash light, whilst enjoying the many advantages of our TE™ Transferable Engine technology. The ESPRITE PC features the low cost, transferable light engine, to ingeniously solve the problem of performance longevity and light consistency for those preferring the higher brightness of white source LEDs.

Our unique, ground-breaking TRANSFERSBLE ENGINE concept gives you a choice of engines. The TE™ 650W HP White LED Engine (HP – High Performance), producing the highest output possible, or the TE™ 650W HCF White LED Engine (HCF – High Colour Fidelity) for those requiring exceptional colour quality. Now you can fit either engine within the same fixture, without alignment or warranty issues, within five minutes! Without the expense, and complication of needing to have separate luminaires with differing sources, TRANSFERABLE ENGINES give you the right engine, in the right fixture, at the right time!

The revolutionary self-referencing, data capturing engines are all designed, developed and manufactured within our own factory (Patents pending). Performance has not been compromised, with the TE™ 650W HP White 6.700K LED Engine producing a piercing 33.000 lm and the TE™ 650W HCF White 6.000K LED Engine 22.500 lm with its exceptionally high inherent CRI of 96. The L70/B50 ratings of 50.000 hours, means longevity is assured.

The ESPRITE PC possesses a comprehensive feature set including: Flat field CMY mixing; variable CTO; remotely selectable CRI 70/80/90; two fast colour wheels; medium and light frosts; Scrim with graduated filter position control with +/- 180° rotation and edge colour correction for added finesse.

A quick, accurate internal barndoor provides individual blade control and +/- 90° module rotation, whilst a zoom range of 7 - 60° ensuring maximum flexibility.

Furthermore, these fixtures are enhanced by Cpulse™, the flicker-free management system for the latest cameras; EMS™ for enhanced



motion stability and L3™ Low Light Linearity dimming, for ultra-smooth fade to black allowing seamless integration with traditional lighting rigs.

## Features

- TE™ 650W HP / HCF White LED Engine
- Variable CCT 3.000 – 6.700K
- CRI 70/80/90
- Zoom range: 6°–60°
- Framing shutters
- Cpulse™ - flicker-free Management

## Specifications

### SOURCE

Light source type:	TE™ 650W HP White LED Engine (Patented)
HP - High Performance Engine for maximum light output and optimal colour characteristics	
LED Engine output:	55.000 lm
Fixture total lumen output:	33.000 lm (integrating sphere) 26.000 lm (goniophotometer)
Colour temperature output:	6.700K
CRI:	70, remotely selectable filters for CRI 80 and CRI 90
Illuminance:	85.000 lx @ 5 m
Light source type:	TE™ 650W HCF White LED Engine (Patented)
HCF - High Colour Fidelity Engine for the best light quality and colour reproduction	
LED Engine output:	37.500 lm
Fixture total lumen output:	22.500 lm (integrating sphere) 17.700 lm (goniophotometer)
Colour temperature output:	6.000K
CRI:	94, TLCI: 91, TM-30-18 Rf: 90, TM-30-18 Rg: 98
Illuminance:	59.000 lx @ 5 m
LED life expectancy:	min. 50.000 hours
Typical lumen maintenance:	L70/B50 @ 50.000 hours
Light source warranty:	4 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency 13-lens zoom optical system, ratio:	10:1
Zoom range:	6°–60°
Output lens diameter:	156 mm

### DYNAMIC EFFECTS AND FEATURES

Cyan:	0–100 %
Magenta:	0–100 %
Yellow:	0–100 %
Variable CTO:	3.000 – 6.700K
Colour Wheel 1:	5 fixed dichroic colours + white
Colour Wheel 2:	5 fixed dichroic colours + white
4Door™ -	Internal Barndoors with individual control of the four leaves for added beam control of wash light, with +/- 90° module rotation. (Patented)
MagFrost™ -	Magnetic paddle fast change system providing exchangeable frosts containing as standard light 5° and medium 10° frost filters
RotaScrim™ -	Internal Scrim module with graduated filter position control for asymmetrical style lighting of drapes and unwanted hotspot removal from scenery. The entire module can be rotated +/- 180°. (Patented)
Motorized zoom and focus	
Edge colour correction	
Electronic strobe effect with variable speed up to 20 Hz	
Pre-programmed random strobe & pulse effects	

High resolution electronic dimming:	0–100 %
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	
Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K	

## CONTROL AND PROGRAMMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
Protocols:	USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
Wireless CRMX™ technology from Lumen Radio:	On request
Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request	
DMX Protocol modes:	2
Control channels:	34, 30
Pan & Tilt resolution:	16 bit
CMY & CTO:	8 bit
Colour wheel positioning:	8 or 16 bit
Internal barndoor module movement & rotation:	8 bit
Internal scrim module movement & rotation:	8 bit
Edge colour correction	
Frost:	8 bit
Zoom:	8 or 16 bit
Dimmer:	8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement:	540°
Tilt movement:	265°
Movement control:	Standard and Speed
EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)	
Automatic Pan & Tilt position correction	

## INTERNAL BARNDOORS

Patented 4Door™ internal barndoors module:	
- Barndoors: 4 blades, each with separate movement control	
- Rotation: +/- 90° module rotation	

## INTERNAL SCRIM

Patented RotaScrim™ internal Scrim module:	
- Graduated filter position control	
- Rotation: +/- 180° of the entire module	

## THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	80 °C (176 °F)
Minimum operating temperature:	-5 °C (23 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz
Power consumption:	Standard mode max. 870W High-power mode max. 950W
Power in connector:	Neutrik powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in:	RJ45

**APPROVALS**

CE Compliant

cETLus Compliant

**MECHANICAL SPECIFICATION**

Height:	719 mm (28.31") - head in vertical position
Width:	443 mm (17.4")
Depth:	264 mm (10.4") - head in vertical position
Weight:	26 kg (57.3 lbs)
Ingress protection rating:	IP20

**RIGGING**

Mounting positions:	Horizontally or vertically
Universal operating position	
Mounting points:	5 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	
Pan & Tilt transport locks	

**INCLUDED ITEMS**

User Manual	
Omega Adaptor CL-regular 2 pcs:	10980033
Power cord including powerCON TRUE1 In connector	
Gel frame adaptor:	99016002

**OPTIONAL ACCESSORIES**

Gel frame:	10980452
Top hat:	10980535
Module of PC lens for Esprite Fresnel:	10980531
Doughty Trigger Clamp:	17030386
Omega Adaptor Tall CL-regular 2 pcs in box:	10980501
Safety wire 36 kg:	99011963
Single Top Loader Case:	10120254
Dual Top Loader Case:	10120255
Foam Shell:	20020357

**LEGAL**

ESPRITE™ PC is a Trademark of Robe lighting s. r. o.

ESPRITE™ PC is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents

**ORDERING INFORMATION****EU model**

Cardboard	10028221
Single Top Loader Case	10528221
Dual Top Loader Case	10728221

**EU model with wireless**

Cardboard	10028222
Single Top Loader Case	10528222
Dual Top Loader Case	10728222

Barndoor shapes and effects





Painte™ delivers the perfect compact, quiet, quality profile solution for short to medium throw scenarios in theatrical, television, installation, live or corporate settings to create your masterpiece!

Whether broad brush strokes or adding the finest detail, Painte™ delivers the master's touch. Colours are boundless via the advanced CMY colour mixing system. From its compact frame, Painte™ punches way above its weight, with an impressive 14.900-lumen fixture output of sparkling, clear, white light.

Designed for noise-sensitive environments, Painte™ features the TE™ 310W HP White LED engine from our ground-breaking TRANSFERABLE ENGINE technology. The high-performance engine gives you the ability to easily maintain light quality and consistency across your inventory.

The motorised zoom gives a range of 10° - 45°, perfect for short to medium throw applications.

Precise beam control is via our highly advanced, patented, Plano4™ four individual plane shutter system. With 120-degree module rotation, each individual blade has a full curtain effect capability.

Painte™ is packed with Robe innovation including CPulse™ flicker-free management system for HD and UHD cameras; L3™ Low Light Linearity dimming software for imperceptible fades to black; AirLOC™ (Less Optical Cleaning) technology keeping the optical elements in pristine condition for far longer; EMS™ Electronic Motion Stabiliser technology for enhanced fixture stability.

The fast, feature-packed, small footprint Painte™ lets you brush in the finest detail or boldest statement with Robe quality.

Painte™ - The Palette of CreativiTE

## Features

- TE™ 310W HP and HCF White LED Engines
- Zoom range 8° - 48°, graphic effects engine
- CMY, colour wheel, virtual CTO, +- green correction
- Patented Plano4™ precise calibrated full curtain framing shutter system
- Small, compact, lightweight, only 19.6 kg

## Specifications

### SOURCE

Light source type:	TE™ 310W HP White LED Engine (Patented)	
	HP - High Performance Engine for maximum light output and optimal colour characteristics	
LED Engine output:	18.500 lm	
Fixture total lumen output:	14.900 lm (integrating sphere)	12.000 lm (goniophotometer)
Colour temperature output:	6.700K	
CRI:	70, remotely selectable filter for CRI 90	
Illuminance:	24.000 lx @ 5 m	
Light source type:	TE™ 310W HCF White LED Engine (Patented)	
	HCF - High Colour Fidelity Engine for the best light quality and colour reproduction	
LED Engine output:	13.000 lm	
Fixture total lumen output:	9.800 lm (integrating sphere)	7.800 lm (goniophotometer)
Colour temperature output:	6.000K	
CRI:	97, TLCI: 97, TM-30-18 Rf: 92, TM-30-18 Rg: 99	
Illuminance:	16.000 lx @ 5 m	
LED life expectancy:	min. 50.000 hours	
Typical lumen maintenance:	L70/B50 @ 50.000 hours	
Light source warranty:	4 years or 20.000 hours	

### OPTICAL SYSTEM

Robe's proprietary optical design		
High-efficiency 13-lens zoom optical system, ratio:	4.5:1	
Zoom range:	8°–48°	
Output lens diameter:	110mm	

### DYNAMIC EFFECTS AND FEATURES

Cyan:	0–100%
Magenta:	0–100%
Yellow:	0–100%
+ - Green correction function	
Colour Wheel:	9 dichroic filters + white
Rotating gobo wheel:	8 rotating, indexable and replaceable breakup and aerial gobos + open, patented slot & lock system
Static gobo wheel:	9 gobos + open
Full curtain framing shutters:	Patented Plano4™
	framing shutters module with 4 individually positionable blades plus rotation of the complete framing system +–60°
Prism:	8-facet prism rotating in both directions at variable speed
Iris:	Motorized, stepless, pulse effects up to 3 Hz
MagFrost™ - magnetic paddle fast change system providing exchangeable frost containing as standard a medium 5° for even wash	
Motorized zoom and focus	
Electronic strobe effect with variable speed up to 20 Hz	
Extremely quiet operation suitable for all types of production in Theatre and TV	
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	
Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K	
AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.	

## CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup,  
gravitation sensor for auto screen positioning, operation memory  
service log with RTC, stand-alone operation with 3 editable programs  
(each up to 100 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM  
ArtNet, MA Net, MA Net2, sACN

REAP™ - Robe Ethernet Access Portal

Wireless CRM™ technology from Lumen Radio - on request

Epass™ - Ethernet pass through  
switch which sustains Ethernet integrity, when the fixture has no power,  
to automatically maintain network connectivity - on request

DMX Protocol modes: 1

Control channels: 43

Pan & Tilt resolution: 16 bit

CMY: 8 bit

Framing shutters module movement & rotation: 8 bit

Rotating gobo wheel positioning: 8 bit

Gobo indexing & rotation: 8 or 16 bit

Static gobo wheel positioning: 8 or 16 bit

Prism indexing & rotation: 8 bit

Iris: 8 or 16 bit

Frost: 8 bit

Zoom: 8 or 16 bit

Focus: 8 or 16 bit

Dimmer: 16 bit (internal 18 bit)

## MOVEMENT

Pan movement: 540°

Tilt movement: 270°

Controllable speed of Pan & Tilt movement

EMS™- Electronic Motion Stabilizer system for Pan & Tilt reducing beam  
deviation caused by truss movement or vibration (Patented)

Automatic Pan & Tilt position correction

## ROTATING GOBOS

Glass gobos: 8 rotating gobos + open

Outside diameter: 15.9 mm

Image diameter: 12.5 mm

Thickness: 1.1 mm

High temperature borofloat or better glass

Slot & lock system for easy replacement of gobos

## STATIC GOBOS

Aluminium wheel with fixed gobos: 9 gobos + open position

## FRAMING SHUTTERS SYSTEM

Full curtain framing shutters: 4 Blades, each with separate movement  
and rotation control

Movement: Smooth with variable speed, ultrafast blade  
movements for creating mid-air effects

Rotation: +- 60° of the complete framing system

## THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 80 °C (176 °F)

Minimal operating temperature: - 5 °C (23 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range:	100–240 V, 50/60 Hz
Power consumption:	max. 440W
Power connector in:	Neutrik powerCON TRUE1
DMX and RDM data in/out:	Locking 5-pin XLR
Ethernet port in:	RJ45
Ethernet port in/out:	RJ45 for Embedded Epass™ - switch 10/100 Mbps - on request

### APPROVALS

CE compliant

cETLus compliant (pending)

### MECHANICAL SPECIFICATION

Height:	619 mm (24.4") - head in vertical position
Width:	367 mm (14.4")
Depth:	219 mm (8.6") - head in vertical position
Weight:	19.6 kg (43.2 lbs)
Ingress protection rating:	IP20

### RIGGING

Mounting positions:	Horizontally or vertically
Universal operating position	
Mounting points:	2 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Pan & Tilt transport locks	

### INCLUDED ITEMS

User manual	
Omega Adaptor CL-regular 2 pcs:	10980033
Power cord including powerCON TRUE1 In connector	

### OPTIONAL ACCESSORIES

Frost 0.5° (exchange) assembled:	10980690
Frost 1° (exchange) assembled:	10980691
Frost 10° (exchange) assembled:	10980693
Frost 20° (exchange) assembled:	10980694
Frost 30° (exchange) assembled:	10980695
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Single Top Loader Case:	10120287
Dual Top Loader Case:	10120288
Quad Top Loader Case:	10120289
Foam Shell:	20020444

### LEGAL

PAINTE™ is a Trademark of Robe lighting s. r. o.

PAINTE™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

### ORDERING INFORMATION

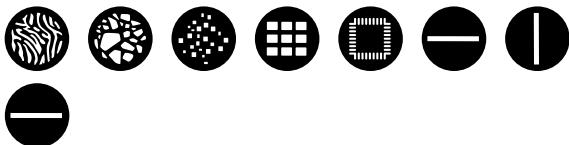
#### EU model

Cardboard	10018041
Single Top Loader Case	10518041
Dual Top Loader Case	10718041
Quad Top Loader Case	10818041

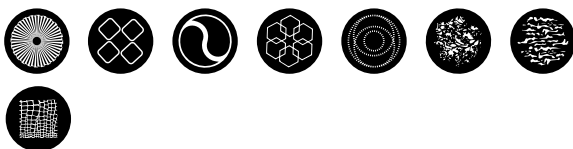
#### EU model with wireless

Cardboard	10018042
Single Top Loader Case	10518042
Dual Top Loader Case	10718042
Quad Top Loader Case	10818042

Static gobo wheel



Rotating gobo wheel







CUETE™ by name, cute by nature, this spot delivers the perfect compact, quality solution for smaller performance spaces or installations.

Delivering outstandingly fast Pan & Tilt movement, so beloved by EDM, DJ's and clubs, with dynamic effects, projections, and enhanced by its superior CMY colour mixing system, CUETE™ punches way above its weight, with an impressive 5.300 lumens of sparkling, clear, white light.

To achieve this output and easily maintain light quality and consistency across your inventory, CUETE™ utilises the TE™ 120W White LED Engine from our patented ground-breaking TRANSFERABLE ENGINE technology.

The fixed beam 16-degree lens has remote control focus and can be changed to the optional 22-degree lenses for shorter throw and low ceiling scenarios.

Within its small frame, CUETE™ is packed with Robe innovation. These include CPulse™ flicker-free management system for HD and UHD cameras; L3™ Low Light Linearity dimming software for imperceptible fades to black; AirLOC™ (Less Optical Cleaning) technology keeping the optical elements in pristine condition for far longer.

The dynamic effects package includes a Colour wheel with 13 dichroic filters; Gobo wheel with 9 fully indexable, rotating, replaceable gobos; Static gobo wheel with 6 fixed gobos and 4 beam reducers; 8 facet bi-directional rotating prism and a 5-degree frost for silky smooth washes.

The combination of speed, features, and small footprint makes our CUETE™ the perfect spot partner to the LEDBeam 350™.

Step up to CUETE™ colours!

### Features

- 120W White TE™ LED Engine
- Fixed 16° Beam Angle
- Rotating, Static Gobo & Colour Wheels
- 5.300 lm Fixture Total Lumen Output
- Super-fast Pan & Tilt Movement
- Lightweight Body only 12.2 kg

## Specifications

### SOURCE

Light source type:	TE™ 120W White LED Engine (Patented)
LED life expectancy:	min. 50.000 hours
Colour temperature:	6.700K
Typical lumen maintenance:	L70/B50 @ 50.000 hours
Light source warranty:	4 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Beam angle:	16° with remote focus
Output lens diameter:	70 mm
Fixture total lumen output:	5.300 lm (integrating sphere) 4.200 lm (goniophotometer)
Optional wide lens:	22°

### DYNAMIC EFFECTS AND FEATURES

Cyan:	0–100%
Magenta:	0–100%
Yellow:	0–100%
Colour Wheel:	13 dichroic filters + white
Rotating gobo wheel:	9 rotating, indexable and replaceable breakup and aerial gobos + open, patented slot & lock system
Static gobo wheel:	6 gobos + 4 beam reducers + open
Prism:	8-facet prism rotating in both directions at variable speed
Frost:	5° for even wash
Motorized focus	
Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100 %
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	
Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K	
AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.	

### CONTROL AND PROGRAMMING

Setting & Addressing:	two-row LCD display & 4 control buttons
Protocols:	USITT DMX-512, RDM Art-Net, MA Net, MA Net2, sACN On request
REAP™ - Robe Ethernet Access Portal	
Wireless CRMX™ technology from Lumen Radio - on request	
Epass™ -	Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity
DMX Protocol modes:	1
Control channels:	29
Pan & Tilt resolution:	16 bit
CMY:	8 bit
Colour wheel positioning:	16 bit
Rotating gobo wheel positioning:	8 bit
Static gobo wheel positioning:	8 bit
Gobo indexing & rotation:	16 bit
Prism indexing & rotation:	8 bit
Frost:	8 bit
Focus:	16 bit

Dimmer:	16 bit (internal 18 bit)
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### MOVEMENT

Pan movement:	540°
Tilt movement:	270°
Movement control:	Standard and Speed
Controllable speed of Pan & Tilt movement	
Automatic Pan & Tilt position correction	

### ROTATING GOBOS

Glass gobos:	9 rotating gobos + open
Outside diameter:	15.9 mm
Image diameter:	12.5 mm
Thickness:	1.1 mm
High temperature borofloat or better glass	
Slot & lock system for easy replacement of gobos	

### STATIC GOBOS

Aluminium wheel with fixed gobos:	6 gobos & 4 beam reducers + open position
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### THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	70 °C (158 °F)
Minimal operating temperature:	- 5 °C (23 °F)
Total heat dissipation:	max. 539 BTU/h (calculated)

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100–240 V, 50/60 Hz
Power consumption:	max. 220W
Power connector in/out:	Neutrik powerCON TRUE1 in/out
DMX and RDM data in/out:	Locking 5-pin XLR
Ethernet port in/out:	RJ45, for Embedded Epass™ - switch 10/100 Mbps - on request

### APPROVALS

CE compliant
cETLus compliant (pending)

### MECHANICAL SPECIFICATION

Height:	510 mm (20") - head in vertical position
Width:	343 mm (13.5")
Depth:	220 mm (8.7") - head in vertical position
Weight:	12.2 kg (26.6 lbs)
Ingress protection rating:	IP20

### RIGGING

Mounting positions:	Horizontally or vertically
Universal operating position	
Mounting points:	2 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	
Tilt transport lock	

### INCLUDED ITEMS

User manual	
Omega Adaptor CL-regular 2 pcs:	10980033

### OPTIONAL ACCESSORIES

Optional wide lens 22°:	10980689
Wireless DMX external module:	10980127
Doughty trigger clamp:	17030386

Safety wire 36 kg:	99011963
Mains cable powerCON TRUE1 In/Schuko, 2m, Indoor:	13052405
Mains cable powerCON TRUE1 In/US, 2m, Indoor:	13052406
Daisy chain powerCON TRUE1 In/Out, EU, 2m,Indoor:	13052439
Mains cable powerCON TRUE1 In/CEE 16A, 2m, Indoor:	13052445
Mains cable powerCON TRUE1 In/Open ended, 2m, Indoor:	13052407
Daisy chain powerCON TRUE1 In/Out, US, 2m, Indoor:	13052440
Daisy chain powerCON TRUE1 In/Out, EU, 5m, Indoor:	13052444
Single top loader case:	10120269
Quad top loader case:	10120270
Foam shell:	20020394

## LEGAL

CUETE™ is a Trademark of Robe lighting s. r. o.

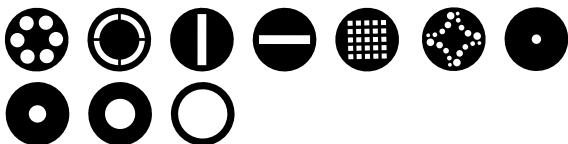
CUETE™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

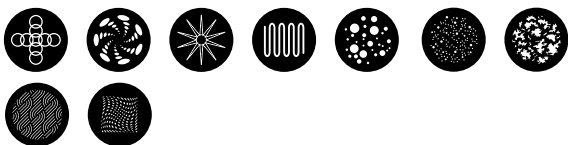
### EU model

Cardboard	10018121
Single Top Loader Case	10518121
Dual Top Loader Case	10818121

### Static gobo wheel



### Rotating gobo wheel





When you demand quality, with absolutely no compromise, in a compact spot then SPOTE™ fits the bill! Fun, fast and feature packed, SPOTE™ is ideal for your club, bar or corporate event.

Designed for dynamic effects and projections, within its compact body, SPOTE™ produces an impressive 2.700 lumens of sparkling, clear, white light. To easily maintain light quality and consistency across your inventory, SPOTE™ utilises the TE™ 70W White LED engine, from our ground-breaking Transferable Engine technology.

The fixed beam 16-degree lens has remote control focus and can be changed to the optional 24-degree lens for shorter throw and low ceiling scenarios. The dynamic effects package includes a Colour wheel with 13 dichroic filters; Gobo wheel with 9 fully indexable, rotating, replaceable gobos; 8-facet bi-directional rotating prism and a 5-degree frost for silky smooth washes.

## Features

- 70W White TE™ LED Engine
- Fixed 16° Beam Angle
- Rotating Gobo & Colour Wheels
- 2.700 lm Fixture Total Lumen Output
- Super-fast Pan & Tilt Movement
- Lightweight Body only 11 kg

## Specifications

### SOURCE

Light source type:	TE™ 70W White LED Engine (Patented)
LED life expectancy:	min. 50.000 hours
Colour temperature:	6.700K
Typical lumen maintenance:	L70/B50 @ 50.000 hours
Light source warranty:	4 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Beam angle:	16° with remote focus
Output lens diameter:	70 mm
Fixture total lumen output:	3.400 lm (integrating sphere) 2.700 lm (goniophotometer)
Optional wide lens:	24°

### DYNAMIC EFFECTS AND FEATURES

Colour Wheel:	13 dichroic filters + white
Rotating gobo wheel:	9 rotating, indexable and replaceable breakup and aerial gobos + open, patented slot & lock system

Prism:	8-facet prism rotating in both directions at variable speed
Frost:	5° for even wash
Motorized focus	
Electronic strobe effect with variable speed up to 20 Hz, pre-programmed	random strobe & pulse effects
High resolution electronic dimming:	0–100 %
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth	fade to black
Cpulse™ - special flicker-free management for HD and UHD cameras,	ready for 8K and 16K
AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.	

## CONTROL AND PROGRAMMING

Setting & Addressing:	two-row LCD display & 4 control buttons
Protocols:	USITT DMX-512, RDM
Epass™ -	Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request
Wireless CRMX™ technology from Lumen Radio - on request	
DMX Protocol modes:	1
Control channels:	25
Pan & Tilt resolution:	16 bit
Colour wheel positioning:	16 bit
Rotating gobo wheel positioning:	8 bit
Gobo indexing & rotation:	16 bit
Prism indexing & rotation:	8 bit
Frost:	8 bit
Focus:	16 bit
Dimmer:	16 bit (internal 18 bit)

## MOVEMENT

Pan movement:	540°
Tilt movement:	270°
Movement control:	Standard and Speed
Controllable speed of Pan & Tilt movement	
Automatic Pan & Tilt position correction	

## ROTATING GOBOS

Glass gobos:	9 rotating gobos + open
Outside diameter:	15.9 mm
Image diameter:	12.5 mm
Thickness:	1.1 mm
High temperature borofloat or better glass	
Slot & lock system for easy replacement of gobos	

## THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	70 °C (158 °F)
Minimal operating temperature:	- 5 °C (23 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100–240 V, 50/60 Hz
Power consumption:	max. 130 W
Power connector in/out:	Neutrik powerCON TRUE1 in/out
DMX and RDM data in/out:	Locking 5-pin XLR
Ethernet port in/out:	RJ45, for Embedded Epass™ - switch 10/100 Mbps - on request

**APPROVALS**

CE compliant

cETLus compliant (pending)

**MECHANICAL SPECIFICATION**

Height:	510 mm (20") - head in vertical position
Width:	343 mm (13.5")
Depth:	220 mm (8.7") - head in vertical position
Weight:	11 kg (24.3 lbs)
Ingress protection rating:	IP20

**RIGGING**

Mounting positions:	Horizontally or vertically
Universal operating position	
Mounting points:	2 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	
Tilt transport lock	

**INCLUDED ITEMS**

User manual	
Omega Adaptor CL-regular 2 pcs:	10980033

**OPTIONAL ACCESSORIES**

Optional wide lens 24°:	10980553
Wireless DMX external module:	10980127
Doughty trigger clamp:	17030386
Safety wire 30 kg:	99011963
Mains cable powerCON TRUE1 In/Schuko, 2m, Indoor:	13052405
Mains cable powerCON TRUE1 In/US, 2m, Indoor:	13052406
Daisy chain powerCON TRUE1 In/Out, EU, 2m, Indoor:	13052439
Mains cable powerCON TRUE1 In/CEE 16A, 2m, Indoor:	13052445
Mains cable powerCON TRUE1 In/Open ended, 2m, Indoor:	13052407
Daisy chain powerCON TRUE1 In/Out, US, 2m, Indoor:	13052440
Daisy chain powerCON TRUE1 In/Out, EU, 5m, Indoor:	13052444
Single top loader case:	10120269
Quad top loader case:	10120270
Foam shell:	20020394

**LEGAL**

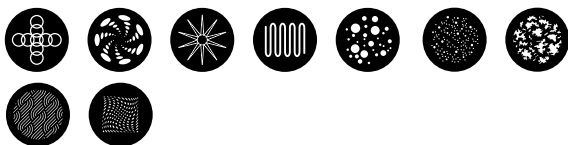
SPOTE™ is a Trademark of Robe lighting s. r. o.

SPOTE™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

**ORDERING INFORMATION****EU model**

Cardboard	10018051
Single Top Loader Case	10518051
Quad Top Loader Case	10818051

Rotating gobo wheel





## T2. Taking Multispectral perfection even further!

While simultaneously maintaining the absolute colour finesse of Robe's phenomenally successful T1 series, featuring the MSL™ (Multi-Spectral) LED engine, our T2 Profile™ provides an enhanced output 22.000 lumens, measured at the front lens, via its 850W MSL™ source, to throw their beautiful light even further than before. With a zoom range of 5–55°, T2 Profile™ is ideally suited to its longer-throw role in theatre, television, and touring.

T2 Profile™ is again full of theatrical subtlety. With CMY colour control, DataSwatch™ filters containing a selection of pre-programmed colours via our renowned RCC™ (Robe Colour Calibration) algorithm and a wide-ranging 2.700K to 8.000K CCT control, all variations of colour are possible. With absolutely no difference in colour produced by T1 and T2 platforms, you can use them together with confidence to provide consistent colour across your lighting rig, perfect for even the most demanding designers.

The precise needs of theatrical dimming are catered for with our super-smooth L3™ dimming system producing imperceptible fades to black. The high CRI of 95+ assures natural rendition of all skin tones. Removing the need for fixture Pan & Tilt pre-use calibration movement, the innovative, and exceptionally accurate optional MAPS™ (Patented) Motionless Absolute Positioning System provides stationary reset with no distracting motion if this occurs during a performance. Furthermore, this technology allows you to power cycle luminaires within confined spaces.

Specifically, for television work, we have included a plus and minus green channel and the Cpulse™ flicker-free management system for all vision systems including HD and UHD cameras, all controllable directly from your console. All this combined with our acclaimed four plane shuttering system, two rotating gobo wheels, an animation wheel, two rotating prisms, changeable 1° and 5° variable frosts with full zoom range coverage, gives you total control over your designs.



Designed to operate in noise-sensitive environments such as television studios, theatres, and houses of worship, T2 utilises our innovative AirLOC™ system. Meaning "Less Optical Cleaning," this technology not only aids noise reduction but also dramatically reduces the level of airborne particles drawn over the optics, keeping them in pristine condition for far longer.

T2 – the next step.

## Features

- MSL™ – 850W Multi-Spectral LED Engine
- DataSwatch™ – Fast Selection of Colour & Tones
- RCC™ – Robe Colour Calibration System
- Variable CCT – 2.700 – 8.000K
- CMY Colour Mixing
- Cpulse™ – Flicker-free Management

## Specifications

### SOURCE

Light source type:	MSL™ 850 W Multi-Spectral LED engine (Patented)
LED life expectancy:	min. 40.000 hours
Colour rendition:	CRI: 95, CRI R9: 91, TM30-18 Rf: 93, TM30-18 Rg: 103, TLCI: 94
Typical lumen maintenance:	L70/B50 @ 40.000 hours
Light source warranty:	3 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 11:1	
Zoom range:	5° - 55°, covers favoured field angles of most Theatre and TV lights
Fixture total lumen output:	22.000 lm (integrating sphere) 17.600 lm (goniophotometer)
Output lens diameter:	180 mm

### DYNAMIC EFFECTS AND FEATURES

Factory calibrated whites and colours via the new RCC™ (Robe Colour Calibration) system, automatic or on-call self-re-calibration of the LED engine without the use of any external tool (Patent pending)

Colour mixing:	CMY/RGB or RGBAL
White light:	Variable CCT 2.700 – 8.000K
DataSwatch™ filters:	pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
Tungsten lamp effect:	750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)
+ - Green correction function	
Adjustable CRI from 80 to 95+	

MCE™ - Split and multicoloured effects created directly from the LED engine (Patented)

Framing shutters:	Patented Plano4™ framing shutters module with 4 individually positionable blades plus rotation of the complete frame system + - 60°
Rotating gobo wheel:	6 rotating, indexable and replaceable breakup and aerial gobos + open, all gobos specially selected for theatrical and TV productions, patented slot & lock system
Static gobo wheel:	8 static, replaceable breakup gobos + open, all gobos specially selected for theatrical and TV productions, patented slot & lock system
Animation wheel:	Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed

# T2 Profile™

Prism 1:	independent 6-facet linear prism rotating in both directions at variable speed
Prism 2:	independent 6-facet circular prism rotating in both directions at variable speed
Iris:	Motorized, stepless, pulse effects up to 3 Hz
MagFrost™	- magnetic paddle fast change system providing exchangeable frosts containing as standard a very light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even wash, both specifically selected for theatre and TV use
Motorized zoom and focus	
Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100%
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	
Extremely quiet operation suitable for all types of production in Theatre and TV	
Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K	
AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.	

## CONTROL AND PROGRAMMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, built-in analyser for easy fault finding, NFC app controller
Protocols:	USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
REAP™ - Robe Ethernet Access Portal	
Epas™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity	
Wireless CRMX™ technology from Lumen Radio - on request	
DMX Protocol modes:	3
Control channels:	52, 36, 56
Pan & Tilt resolution:	16 bit
Colour mixing: 8 or 16 bit (internal 18 bit)	
Variable CCT:	8 bit
Adjustable CRI:	8 bit
+ - Green correction:	8 bit
Framing shutters module movement & rotation:	8 bit
Rotating gobo wheel positioning:	8 bit
Gobo indexing & rotation:	8 or 16 bit
Animation wheel:	8 bit
Prism indexing & rotation:	8 bit
Iris:	8 or 16 bit
Frost:	8 bit
Zoom:	8 or 16 bit
Focus:	8 or 16 bit
Dimmer:	8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement:	540°
Tilt movement:	270°
Movement control:	Standard and Speed

Automatic Pan & Tilt position correction

EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Optional MAPS™ - Motionless absolute positioning system for Pan & Tilt (Patented)

STATIC GOBOS

8x static glass gobos

Outside diameter: 30.8 mm

Image diameter: 25 mm

Thickness: 1.1 mm

Max. thickness: 3.5 mm

High temperature borofloat or better glass

Slot & lock system for easy replacement of gobos

ROTATING GOBOS

6x rotating glass gobos

Outside diameter: 30.8 mm

Image diameter: 25 mm

Thickness: 1.1 mm

Max. thickness: 3.5 mm

High temperature borofloat or better glass

Slot & lock system for easy replacement of gobos

EFFECT WHEEL

Single animation wheel

Material: Aluminium

Diameter: 121 mm

Can be used alone or in combination with rotating gobos

Rotating in both directions at variable speed

FRAMING SHUTTERS SYSTEM

Patented Plano4™ framing shutters module

Shutters: 4 Blades, each with separate movement and +- 25° rotation control

Movement: smooth with variable speed

Smooth and very precise motion of framing shutters

Rotation: +- 60° of the complete framing system

THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 70 °C (158 °F)

Minimum operating temperature: -5 °C (23 °F)

Total heat dissipation: max. 3.924 BTU/h (calculated)

NOISE LEVELS

Sound pressure level: 23 dB(A) at 1 m (quiet mode)

29 dB(A) at 1 m (auto mode)

Sound power level: 31 dB(A) (quiet mode)

37 dB(A) (auto mode)

ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: max. 1.150W

Power connector in: Neutrik powerCON TRUE1

DMX and RDM data in/out: Locking 3-pin & 5-pin XLR

Ethernet port in/out: RJ45 for Embedded Epass™ - switch 10/100 Mbps

APPROVALS

CE Compliant

cETLus Compliant

MECHANICAL SPECIFICATION

Height: 802 mm (31.6") - head in vertical position

# T2 Profile™

Width:	483 mm (19")
Depth:	335 mm (13.2") - head in vertical position
Weight:	36.9 kg (81.4 lbs)
Ingress protection rating:	IP20

## RIGGING

Mounting positions:	0°, 32°, 90°
Universal operating position	
Mounting points:	5 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	
Pan & Tilt transport locks	

## INCLUDED ITEMS

User Manual	
Omega Adaptor CL-regular 2 pcs:	10980033
Power cord including powerCON TRUE1 In connector	
Gel frame adaptor:	99016721

## OPTIONAL ACCESSORIES

7.5" Gel Frame:	10980561
Top hat:	10980591
Frost 0.5° (exchange) assembled:	10980581
Frost 1° (exchange) assembled:	10980564
Frost 5° (exchange) assembled:	10980565
Frost 10° (exchange) assembled:	10980556
Frost 20° (exchange) assembled:	10980577
Frost 30° (exchange) assembled:	10980582
Doughty Trigger Clamp:	17030386
Omega Adaptor Tall CL-regular 2 pcs in box:	10980501
Safety wire 50 kg:	99011957
Single Top Loader Case:	10120271
Dual Top Loader Case:	10120272
Foam Shell:	20020396

## LEGAL

T2 Profile™ is a Trademark of Robe lighting s. r. o.

T2 Profile™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU model

Cardboard	10018071
Single Top Loader Case	10518071
Dual Top Loader Case	10818071

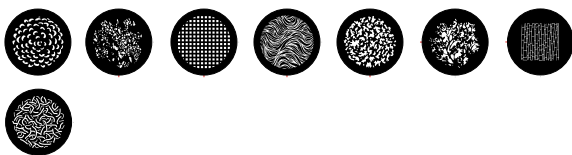
### EU model with wireless

Cardboard	10018072
Single Top Loader Case	10518072
Dual Top Loader Case	10818072

### US model

Cardboard	10018073
Single Top Loader Case	10518073
Dual Top Loader Case	10818073

Static gobo wheel



Rotating gobo wheel





## T2. Taking Multispectral perfection even further!

While simultaneously maintaining the absolute colour finesse of Robe's phenomenally successful T1 series, featuring the MSL™ (Multi-Spectral) LED engine, our T2 Profile™ provides an enhanced output of more than 22.000 lumens, measured at the front lens, via its 850W MSL™ source, to throw their beautiful light even further than before. With a zoom range of 5–55°, T2 Profile™ is ideally suited to its longer-throw role in theatre, television, and touring.

T2 Profile™ is again full of theatrical subtlety. With CMY colour control, DataSwatch™ filters containing a selection of pre-programmed colours via our renowned RCC™ (Robe Colour Calibration) algorithm and a wide-ranging 2.700K to 8.000K CCT control, all variations of colour are possible. With absolutely no difference in colour produced by T1 and T2 platforms, you can use them together with confidence to provide consistent colour across your lighting rig, perfect for even the most demanding designers.

The precise needs of theatrical dimming are catered for with our super-smooth L3™ dimming system producing imperceptible fades to black. The high CRI of 95+ assures natural rendition of all skin tones. Removing the need for fixture Pan & Tilt pre-use calibration movement, the innovative, and exceptionally accurate optional MAPS™ (Patented) Motionless Absolute Positioning System provides stationary reset with no distracting motion if this occurs during a performance. Furthermore, this technology allows you to power cycle luminaires

within confined spaces.

Specifically, for television work, we have included a plus and minus green channel and the Cpulse™ flicker-free management system for all vision systems including HD and UHD cameras, all controllable directly from your console. All this combined with our acclaimed four plane shuttering system, two rotating gobo wheels, an animation wheel, two rotating prisms, changeable 1° and 5° variable frosts with full zoom range coverage, gives you total control over your designs.

Designed to operate in noise-sensitive environments such as television studios, theatres, and houses of worship, T2 utilises our innovative AirLOC™ system. Meaning "Less Optical Cleaning," this technology not only aids noise reduction but also dramatically reduces the level of airborne particles drawn over the optics, keeping them in pristine condition for far longer.

The T2 Profile FS™ is equipped with the digital camera on its head and can be connected with the RoboSpot™ BaseStation for off-stage follow spot operation.

T2 – the next step.

## Features

- MSL™ – 850W Multi-Spectral LED Engine
- RCC™ – Robe Colour Calibration System
- CMY Colour Mixing
- DataSwatch™ – Fast Selection of Colour & Tones
- Variable CCT – 2.700 – 8.000K
- Cpulse™ – Flicker-free Management

## Specifications

### SOURCE

Light source type:	MSL™ 850 W Multi-Spectral LED engine (Patented)
LED life expectancy:	min. 40.000 hours
Colour rendition:	CRI: 95, CRI R9: 91, TM30-18 Rf: 93, TM30-18 Rg: 103, TlCI: 94
Typical lumen maintenance:	L70/B50 @ 40.000 hours
Light source warranty:	3 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 11:1	
Zoom range:	5° - 55°, covers favoured field angles of most Theatre and TV lights
Fixture total lumen output:	22.000 lm (integrating sphere) 17.600 lm (goniophotometer)
Output lens diameter:	180 mm

### DYNAMIC EFFECTS AND FEATURES

Factory calibrated whites and colours via the new RCC™ (Robe Colour Calibration) system, automatic or on-call self-re-calibration of the LED engine without the use of any external tool (Patent pending)

Colour mixing:	CMY/RGB or RGBAL
White light:	Variable CCT 2.700 – 8.000K
DataSwatch™ filters:	pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
Tungsten lamp effect:	750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)
+ - Green correction function	

# T2 Profile FS™

Adjustable CRI from 80 to 95+

MCE™ - Split and multicoloured effects created directly from the LED engine (Patented)

Framing shutters: Patented Plano4™ framing shutters module with 4 individually positionable blades plus rotation of the complete frame system + - 60°

Rotating gobo wheel: 6 rotating, indexable and replaceable breakup and aerial gobos + open, all gobos specially selected for theatrical and TV productions, patented slot & lock system

Static gobo wheel: 8 static, replaceable breakup gobos + open, all gobos specially selected for theatrical and TV productions, patented slot & lock system

Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed

Prism 1: independent 6-facet linear prism rotating in both directions at variable speed

Prism 2: independent 6-facet circular prism rotating in both directions at variable speed

Iris: Motorized, stepless, pulse effects up to 3 Hz

MagFrost™ - magnetic paddle fast change system providing exchangeable frosts containing as standard a very light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even wash, both specifically selected for theatre and TV use

Motorized zoom and focus

Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects

High resolution electronic dimming: 0–100%

L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black

Extremely quiet operation suitable for all types of production in Theatre and TV

Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K

AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.

## CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, built-in analyser for easy fault finding, NFC app controller

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN REAP™ - Robe Ethernet Access Portal

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity

Wireless CRMX™ technology from Lumen Radio - on request

DMX Protocol modes: 3

Control channels: 52, 36, 56

Pan & Tilt resolution: 16 bit

Colour mixing: 8 or 16 bit (internal 18 bit)

Variable CCT: 8 bit

Adjustable CRI: 8 bit

+ - Green correction: 8 bit

Framing shutters module movement & rotation: 8 bit



Rotating gobo wheel positioning:	8 bit
Gobo indexing & rotation:	8 or 16 bit
Animation wheel:	8 bit
Prism indexing & rotation:	8 bit
Iris:	8 or 16 bit
Frost:	8 bit
Zoom:	8 or 16 bit
Focus:	8 or 16 bit
Dimmer:	8 or 16 bit (internal 18 bit)

### MOVEMENT

Pan movement:	540°
Tilt movement:	270°
Movement control:	Standard and Speed
Automatic Pan & Tilt position correction	
EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)	
Optional MAPS™ - Motionless absolute positioning system for Pan & Tilt (Patented)	

### STATIC GOBOS

8x static glass gobos	
Outside diameter:	30.8 mm
Image diameter:	25 mm
Thickness:	1.1 mm
Max. thickness:	3.5 mm
High temperature borofloat or better glass	
Slot & lock system for easy replacement of gobos	

### ROTATING GOBOS

6x rotating glass gobos	
Outside diameter:	30.8 mm
Image diameter:	25 mm
Thickness:	1.1 mm
Max. thickness:	3.5 mm
High temperature borofloat or better glass	
Slot & lock system for easy replacement of gobos	

### EFFECT WHEEL

Single animation wheel	
Material:	Aluminium
Diameter:	121 mm
Can be used alone or in combination with rotating gobos	
Rotating in both directions at variable speed	

### FRAMING SHUTTERS SYSTEM

Patented Plano4™ framing shutters module	
Shutters: 4 Blades, each with separate movement and rotation control	
Movement:	smooth with variable speed
Smooth and very precise motion of framing shutters	
Rotation:	+/- 60° of the complete framing system

### CAMERA

Type:	SNZ-6320
Resolution:	1920 x 1080, 16:9 Full HD (1080p) resolution support
Zoom:	32x optical zoom
	16x digital zoom
Streaming:	H.264, MPEG dual codec, Multiple streaming
Vision:	Day & Night (ICR), WDR (120dB)
Minimum illumination:	0.3 Lux

### THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	70 °C (158 °F)

# T2 Profile FS™

Minimum operating temperature:	-5 °C (23 °F)
Total heat dissipation:	max. 3.924 BTU/h (calculated)

## NOISE LEVELS

Sound pressure level:	23 dB(A) at 1 m (quiet mode) 29 dB(A) at 1 m (auto mode)
Sound power level:	31 dB(A) (quiet mode) 37 dB(A) (auto mode)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz
Power consumption:	max. 1.150W
Power connector in:	Neutrik powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in:	RJ45
Ethernet port in/out:	RJ45 for Embedded Epass™ - switch 10/100 Mbps

## APPROVALS

CE Compliant
cETLus Compliant

## MECHANICAL SPECIFICATION

Height:	802 mm (31.6") - head in vertical position
Width:	483 mm (19")
Depth:	335 mm (13.2") - head in vertical position
Weight:	37.5 kg (82.67 lbs)
Ingress protection rating:	IP20

## RIGGING

Mounting positions:	0°, 32°, 90°
Universal operating position	
Mounting points:	5 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	
Pan & Tilt transport locks	

## INCLUDED ITEMS

User Manual	
Omega Adaptor CL-regular 2 pcs:	10980033
Power cord including powerCON TRUE1 In connector	
RoboSpot Camera	
Gel frame adaptor:	99016721

## OPTIONAL ACCESSORIES

7.5" Gel Frame:	10980561
Top hat:	10980591
Frost 0.5° (exchange) assembled:	10980581
Frost 1° (exchange) assembled:	10980564
Frost 5° (exchange) assembled:	10980565
Frost 10° (exchange) assembled:	10980556
Frost 20° (exchange) assembled:	10980577
Frost 30° (exchange) assembled:	10980582
Doughty Trigger Clamp:	17030386
Omega Adaptor Tall CL-regular 2 pcs in box:	10980501
Safety wire 50 kg:	99011957
Single Top Loader Case:	10120271

Dual Top Loader Case:	10120272
Foam Shell:	20020396

### LEGAL

T2 Profile FS™ is a Trademark of Robe lighting s. r. o.

T2 Profile FS™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

### ORDERING INFORMATION

#### EU model

Cardboard	10018081
Single Top Loader Case	10518081
Dual Top Loader Case	10818081

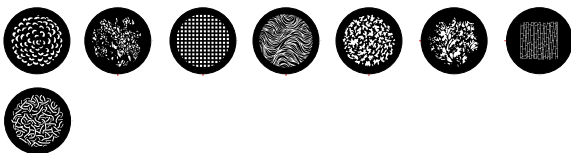
#### EU model with wireless

Cardboard	10018082
Single Top Loader Case	10518082
Dual Top Loader Case	10818082

#### US model

Cardboard	10018083
Single Top Loader Case	10518083
Dual Top Loader Case	10818083

Static gobo wheel



Rotating gobo wheel





## T2. Multispectral perfection, only further!

While simultaneously maintaining the absolute colour finesse of Robe's phenomenally successful T1 series, featuring the MSL™ (Multi-Spectral) LED engine, our T2 Fresnel™ produces 15.500 lm, measured at the front lens, via the 850W MSL™ source.

With zoom range of 7-62°, and classically soft beam, T2 Fresnel™ is ideally suited to their long-throw role in theatre, television, and touring.

T2 Fresnel™ is full of theatrical subtlety. With CMY colour control, DataSwatch™ filters containing a selection of pre-programmed colours via our renowned RCC™ (Robe Colour Calibration) algorithm and a wide-ranging 2.700K to 8.000K CCT control, all variations of colour are possible. With absolutely no variation in colour produced by T1 and T2 platforms, you can use them together with confidence to provide consistent colour across your lighting rig, perfect for even the most demanding designers.

The precise needs of theatrical dimming are catered to with our super-smooth L3™ dimming system producing imperceptible fades to black. The exceptionally high CRI of 95+ assures natural rendition of all skin tones.

Removing the need for fixture Pan & Tilt pre-use calibration movement, the innovative, and exceptionally accurate optional MAPS™ (Patented) Motionless Absolute Positioning System provides stationary reset with no distracting motion if this occurs during a performance. Furthermore, this technology allows you to power cycle luminaires within confined spaces.

Specifically, for television work, we have included a plus and minus green channel and the Cpulse™ flicker-free management system for all vision systems including HD and UHD cameras, all controllable directly from your console.

Designed to operate in noise-sensitive environments such as television studios, theatres, and houses of worship, T2 Fresnel™ utilises our innovative AirLOC™ system. Meaning "Less Optical Cleaning," this technology not only aids noise reduction but also dramatically reduces the level of airborne particles drawn over the optics, keeping them in pristine condition for far longer.

All this combined with our highly acclaimed internal four individually controlled leaf barndoor system, rotational scrim control, two interchangeable frosts and ground-breaking edge control technology, gives you total control over your designs in theatre, television, and touring.

T2 – the next step.

## Features

- MSL™ – 850W Multi-Spectral LED Engine
- DataSwatch™ – Fast Selection of Colour & Tones
- RCC™ – Robe Colour Calibration System
- Variable CCT – 2.700 – 8.000K
- CMY Colour Mixing
- Cpulse™ – Flicker-free Management

## Specifications

### SOURCE

Light source type:	MSL™ 850 W Multi-Spectral LED engine (Patented)
LED life expectancy:	min. 40.000 hours
Colour rendition:	CRI: 95, CRI R9: 91, TM30-18 Rf: 93, TM30-18 Rg: 103, TlCI: 94
Typical lumen maintenance:	L70/B50 @ 40.000 hours
Light source warranty:	3 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 9:1	
Zoom range:	7° - 62
Fixture total lumen output:	15.500 lm (integrating sphere) 12.500 lm (goniophotometer)
Output lens diameter:	200 mm

### DYNAMIC EFFECTS AND FEATURES

Factory calibrated whites and colours via the new RCC™ (Robe Colour Calibration) system, automatic or on-call self-re-calibration of the LED engine without the use of any external tool (Patent pending)

Colour mixing:	CMY/RGB or RGBAL
White light:	Variable CCT 2.700 – 8.000K
DataSwatch™ filters:	pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
Tungsten lamp effect:	750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)
+ - Green correction function	
Adjustable CRI from 80 to 95+	
4Door™ -	Internal Barndoors with individual control of the four leaves for added beam control of wash light, with +/- 90° module rotation. (Patented)

# T2 Fresnel™

MagFrost™ - Magnetic paddle fast change system providing exchangeable frosts containing as standard light 5° and medium 10° frost filters

RotaScrim™ - Internal Scrim module with graduated filter position control for asymmetrical style lighting of drapes and unwanted hotspot removal from scenery. The entire module can be rotated +/- 180°. (Patented)

Motorized zoom

Edge colour correction

Electronic strobe effect with variable speed up to 20 Hz

Pre-programmed random strobe & pulse effects

L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black

Extremely quiet operation suitable for all types of production in Theatre and TV

Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K

AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.

## CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, built-in analyser for easy fault finding, NFC app controller

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN

REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio - on request

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity

DMX Protocol modes: 3

Control channels: 35, 24, 39

Pan & Tilt resolution: 16 bit

Colour mixing: 8 or 16 bit (internal 18 bit)

Variable CCT: 8 bit

Internal barndoor module movement & rotation: 8 bit

Internal scrim module movement & rotation: 8 bit

Frost: 8 bit

Zoom: 8 or 16 bit

Edge colour correction: 8 bit

Dimmer: 8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement: 540°

Tilt movement: 265°

Movement control: Standard and Speed

Controllable speed of Pan & Tilt movement

Automatic Pan & Tilt position correction

EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Optional MAPS™ - Motionless absolute positioning system for Pan & Tilt (Patented)

## INTERNAL BARNDOORS

Patented 4Door™ internal barndoors module:

- Barndoors: 4 blades, each with separate movement control

- Rotation: +/- 90° module rotation

**INTERNAL SCRIM**

Patented RotaScrim™ internal Scrim module:

- Graduated filter position control
- Rotation: +/- 180° of the entire module

**THERMAL SPECIFICATION**

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	70 °C (158 °F)
Minimum operating temperature:	-5 °C (23 °F)

**NOISE LEVELS**

Sound pressure level:	23 dB(A) at 1 m (quiet mode)
	29 dB(A) at 1 m (auto mode)
Sound power level:	31 dB(A) (quiet mode)
	37 dB(A) (auto mode)

**ELECTRICAL SPECIFICATION AND CONNECTIONS**

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz
Power consumption:	max. 1.150W
Power connector in:	Neutrik powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in/out:	RJ45 for Embedded Epass™ - switch 10/100 Mbps

**APPROVALS**

CE Compliant  
cETLus Compliant

**MECHANICAL SPECIFICATION**

Height:	802 mm (31.6") - head in vertical position
Width:	483 mm (19")
Depth:	335 mm (13.2") - head in vertical position
Weight:	33.5 kg (73.85 lbs)
Ingress protection rating:	IP20

**RIGGING**

Mounting positions:	0°, 32°, 90°
Universal operating position	
Mounting points:	2 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	
Pan & Tilt transport locks	

**INCLUDED ITEMS**

User Manual	
Omega Adaptor CL-regular 2 pcs:	10980033
Power cord including powerCON TRUE1 In connector	
Gel frame adaptor:	99016721
Top hat:	10980591

**OPTIONAL ACCESSORIES**

Gel Frame:	10980561
Module of PC lens:	10980611
Doughty Trigger Clamp:	17030386
Safety wire 50 kg:	99011957
Single Top Loader Case:	10120271
Dual Top Loader Case:	10120272
Foam Shell:	20020396

**LEGAL**

T2 Fresnel™ is a Trademark of Robe lighting s. r. o.

T2 Fresnel™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU model

Cardboard	10028031
Single Top Loader Case	10528031
Dual Top Loader Case	10828031

### EU model with wireless

Cardboard	10028032
Single Top Loader Case	10528032
Dual Top Loader Case	10828032

Barndoor shapes and effects







T2. Multispectral perfection, only further!

While simultaneously maintaining the absolute colour finesse of Robe's phenomenally successful T1 series, featuring the MSL™ (Multi-Spectral) LED engine, our T2 PC™ produces 17.000 lm, measured at the front lens, via its 850W MSL™ source.

With zoom range of 6-62°, and soft beam, ideally suited to their long-throw role in theatre, television, and touring.

T2 PC™ is full of theatrical subtlety. With CMY colour control, DataSwatch™ filters containing a selection of pre-programmed colours via our renowned RCC™ (Robe Colour Calibration) algorithm and a wide-ranging 2.700K to 8.000K CCT control, all variations of colour are possible. With absolutely no variation in colour produced by T1 and T2 platforms, you can use them together with confidence to provide consistent colour across your lighting rig, perfect for even the most demanding designers.

The precise needs of theatrical dimming are catered to with our super-smooth L3™ dimming system producing imperceptible fades to black. The exceptionally high CRI of 95+ assures natural rendition of all skin tones.

Removing the need for fixture Pan & Tilt pre-use calibration movement, the innovative, and exceptionally accurate optional MAPS™ (Patented) Motionless Absolute Positioning System provides stationary reset with no distracting motion if this occurs during a performance. Furthermore, this technology allows you to power cycle luminaires within confined spaces.

Specifically, for television work, we have included a plus and minus green channel and the Cpulse™ flicker-free management system for all vision systems including HD and UHD cameras, all controllable directly from your console.

Designed to operate in noise-sensitive environments such as television studios, theatres, and houses of worship, the T2 PC™ utilises our innovative AirLOC™ system. Meaning "Less Optical Cleaning," this technology not only aids noise reduction but also dramatically reduces the level of airborne particles drawn over the optics, keeping them in pristine condition for far longer.

All this combined with our highly acclaimed internal four individually controlled leaf barndoor system, rotational scrim control, two interchangeable frosts and ground-breaking edge control technology, gives you total control over your designs in theatre, television, and touring.

T2 – the next step.

## Features

- MSL™ – 850W Multi-Spectral LED Engine
- RCC™ – Robe Colour Calibration System
- CMY Colour Mixing
- DataSwatch™ – Fast Selection of Colour & Tones
- Variable CCT – 2.700 – 8.000K
- Cpulse™ – Flicker-free Management

## Specifications

### SOURCE

Light source type:	MSL™ 850 W Multi-Spectral LED engine (Patented)
LED life expectancy:	min. 40.000 hours
Colour rendition:	CRI: 95, CRI R9: 91, TM30-18 Rf: 93, TM30-18 Rg: 103, TLCI: 94
Typical lumen maintenance:	L70/B50 @ 40.000 hours
Light source warranty:	3 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 9:1	
Zoom range:	6° - 62°
Fixture total lumen output:	17.000 lm (integrating sphere) 14.000 lm (goniophotometer)
Output lens diameter:	188 mm

### DYNAMIC EFFECTS AND FEATURES

Factory calibrated whites and colours via the new RCC™ (Robe Colour Calibration) system, automatic or on-call self-re-calibration of the LED engine without the use of any external tool (Patent pending)

Colour mixing:	CMY/RGB or RGBAL
White light:	Variable CCT 2.700 – 8.000K
DataSwatch™ filters:	pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
Tungsten lamp effect:	750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)
+ - Green correction function	
Adjustable CRI from 80 to 95+	

4Door™ - Internal Barndoors with individual control of the four leaves for added beam control of wash light, with +/- 90° module rotation.

(Patented)

MagFrost™ - Magnetic paddle fast change system providing exchangeable frosts containing as standard light 5° and medium 10° frost filters

RotaScrim™ - Internal Scrim module with graduated filter position control for asymmetrical style lighting of drapes and unwanted hotspot removal from scenery. The entire module can be rotated +/- 180°.

(Patented)

Motorized zoom

Edge colour correction

Electronic strobe effect with variable speed up to 20 Hz

Pre-programmed random strobe & pulse effects

L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black

Extremely quiet operation suitable for all types of production in Theatre and TV

Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K

AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.

## CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, built-in analyser for easy fault finding, NFC app controller

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN

REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio - on request

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity

DMX Protocol modes: 3

Control channels: 35, 24, 39

Pan & Tilt resolution: 16 bit

Colour mixing: 8 or 16 bit (internal 18 bit)

Variable CCT: 8 bit

Internal barndoor module movement & rotation: 8 bit

Internal scrim module movement & rotation: 8 bit

Frost: 8 bit

Zoom: 8 or 16 bit

Edge colour correction: 8 bit

Dimmer: 8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement: 540°

Tilt movement: 265°

Movement control: Standard and Speed

Controllable speed of Pan & Tilt movement

Automatic Pan & Tilt position correction

EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Optional MAPS™ - Motionless absolute positioning system for Pan & Tilt (Patented)

## INTERNAL BARNDOORS

Patented 4Door™ internal barndoors module:

- Barndoors: 4 blades, each with separate movement control

- Rotation: +/- 90° module rotation

## INTERNAL SCRIM

Patented RotaScrim™ internal Scrim module:

- Graduated filter position control
- Rotation: +/- 180° of the entire module

## THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	70 °C (158 °F)
Minimum operating temperature:	-5 °C (23 °F)

## NOISE LEVELS

Sound pressure level:	23 dB(A) at 1 m (quiet mode)
	29 dB(A) at 1 m (auto mode)
Sound power level:	31 dB(A) (quiet mode)
	37 dB(A) (auto mode)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz
Power consumption:	max. 1.150W
Power connector in:	Neutrik powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in/out:	RJ45 for Embedded Epass™ - switch 10/100 Mbps

## APPROVALS

CE Compliant

cETLus Compliant

## MECHANICAL SPECIFICATION

Height:	802 mm (31.6") - head in vertical position
Width:	483 mm (19")
Depth:	335 mm (13.2") - head in vertical position
Weight:	33 kg (72.75 lbs)
Ingress protection rating:	IP20

## RIGGING

Mounting positions:	0°, 32°, 90°
Universal operating position	
Mounting points:	2 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	
Pan & Tilt transport locks	

## INCLUDED ITEMS

User Manual	
Omega Adaptor CL-regular 2 pcs:	10980033
Power cord including powerCON TRUE1 In connector	
Gel frame adaptor:	99016721

## OPTIONAL ACCESSORIES

Gel Frame:	10980561
Top hat:	10980591
Module of Fresnel lens:	10980610
Doughty Trigger Clamp:	17030386
Safety wire 50 kg:	99011957
Single Top Loader Case:	10120271
Dual Top Loader Case:	10120272
Foam Shell:	20020396

## LEGAL

T2 PC™ is a Trademark of Robe lighting s. r. o.

T2 PC™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

**ORDERING INFORMATION****EU model**

Cardboard	10028041
Single Top Loader Case	10528041
Dual Top Loader Case	10828041

**EU model with wireless**

Cardboard	10028042
Single Top Loader Case	10528042
Dual Top Loader Case	10828042

Barndoor shapes and effects





Our unique T11 Profile™ delivers both superb performance and total generic flexibility!

Building on the superb MSL™ (Multi-Spectral Light) colour concept, and innovative TE™ technology, our T11 Profile™ maintains the exceptional colour finesse of the phenomenally successful T series. With a fast, interchangeable front lens system, the T11 Profile™ offers absolute, cost-effective flexibility while delivering superb optical quality.

With the MSL-TE™ 350W LED Engine generating over 11,800 lm from the Profile fixture and all the advantages of cost, exchange or replacement, this LED technology provides identical colour characteristics, responses, and control of T series luminaires, giving absolute colour consistency across your Robe lighting installation.

High-definition optics deliver precise projection, beam control, and an extreme, wide-ranging 10:1 ratio 5-50° zoom range, from its single, integral lens tube, without additional lens tubes or optical variants.

A virtually controlled CCT range of 2,700K to 8,000K, calibrated whites, and tungsten emulation gives precise control, while we ensure skin tones are perfectly rendered due to T11's high TLCI and TM30-18 ratings and exceptional CRI of 95.

Our innovative manual shuttering system is both accurate and easy to use. Integral to the fixture is a manual 1° MagFrost™ for instant softening, with an optional 5° frost available.

The unobtrusive T11 is specifically designed to operate in any noise-sensitive environment, with TV studio use enhanced via Cpulse™ flicker-free software and a dedicated plus and minus green channel control.

To increase gobo capacity from the single breakup gobo and holder included with the fixture, an optional drop-in module with two rotating and three static gobos using our standard slot and lock system is available. Furthermore, a motorised iris is included. Easy to install, this allows dual projection of both static and rotating gobos to produce dynamic effects.

Utilizing the rapid-change front lens system, the T11 Profile™ quickly transforms into a Fresnel or PC fixture for total luminaire flexibility without the cost of separate generic purchases.

T11. The three into one generic solution!

## Features

- MSL-TE™ 350W LED Engine
- DataSwatch™ – Fast Selection of Colour & Tones
- RCC™ – Robe Colour Calibration System
- Variable CCT – 2.700 – 8.000K
- CMY Colour Mixing
- Cpulse™ – Flicker-free Management

## Specifications

### SOURCE

Light source type:	MSL-TE™ 350W LED Engine
LED Engine output:	16.700 lm
LED life expectancy:	min. 40.000 hours
Colour rendition:	CRI: 95, CRI R9: 96, TM30-18 Rf: 92, TM30-18 Rg: 106, TlCI: 91
Typical lumen maintenance:	L70/B50 @ 40.000 hours
Light source warranty:	3 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Profile zoom lens system	
High-efficiency manual zoom:	High definition optics: ratio 10:1, zoom range 5°- 50°
Fixture total lumen output:	12.000 lm (integrating sphere) 9.500 lm (goniophotometer)
Optional PC and Fresnel zoom lens systems	

### MAIN FEATURES

Colour mixing:	CMY/RGB or RGBAL
White light:	Variable CCT 2.700K – 8.000K
DataSwatch™ filters:	pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K
Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)	
+ - Green correction function	
Adjustable CRI: from 80 to 95+	
Manual framing shutters:	framing shutters module with 4 individually positionable blades
Optional drop-in gobo module:	motorised iris, 2 rotating and 3 static gobos
MagFrost™ - magnetic paddle fast change system providing exchangeable frost containing as standard a light 1° for instant softening of the framing shutters or projected gobo	
Manual zoom and focus	
Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100 %

# T11 Profile™

L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black

Dimmer profile selection: Linear, Square law

Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K

Extremely quiet operation suitable for all types of production in Theatre and TV

AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.

## CONTROL AND PROGRAMMING

Setting & Addressing: two-row LCD display & 4 control buttons

Protocols: USITT DMX-512, RDM  
ArtNet, MA Net, MA Net2, sACN

REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio - on request

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request

DMX Protocol modes: 8

Control channels: 18, 9, 22, 6, 1, 24, 13, 28

Variable CCT: 8 bit

+ - Green correction: 8 bit

Colour mixing: 8 or 16 bit (internal 18 bit)

Gobo indexing & rotation: 8 or 16 bit

Iris: 8 or 16 bit

Dimmer: 8 or 16 bit (internal 18 bit)

## ROTATING GOBOS

2x rotating glass gobos: (with optional drop-in gobo module)

Outside diameter: 26.8 mm

Image diameter: 23.5 mm

Thickness: 1.1 mm

Max. thickness: 4.0 mm

High temperature borofloat or better glass

Patented slot & lock system for easy replacement of gobo

## STATIC GOBOS

1x static glass gobo: (3x with optional drop-in gobo module)

Outside diameter: 26.8 mm

Image diameter: 23.5 mm

Thickness: 1.1 mm

Max. thickness: 4.0 mm

High temperature borofloat or better glass

Gobo holder R size: slot & lock system for easy replacement of gobos

## THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 90 °C (194 °F)

Minimum operating temperature: -5 °C (23 °F)

Total heat dissipation: max. 1125 BTU/h (calculated)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: Max. 420W

Power connector in/out: Neutrik powerCON TRUE1 in/out

DMX and RDM data in/out: Locking 5-pin XLR



Ethernet port in/out:

RJ45 for Embedded Epass™  
switch 10/100 Mbps - on request

### APPROVALS

CE Compliant

cETLus Compliant

### MECHANICAL SPECIFICATION

Height: 493 mm (19.4")

Width: 385 mm (15.15")

Depth: 653 mm (25.7")

Weight: 15.7 kg (34.6 lbs)

16.9 kg (37.3 lbs) with optional drop-in gobo module

Ingress protection rating: IP20

### RIGGING

Mounting horizontally or vertically via mounting yoke

Mounting points: M12 bolt

Safety cable attachment point

### INCLUDED ITEMS

User Manual

Gel frame adaptor

Gobo Holder R size with gobo: 10980655

### OPTIONAL ACCESSORIES

Doughty Trigger Clamp

Wireless DMX external module: 10980127

Safety wire 36 kg: 99011963

T11 Fresnel lens module: 10980644

T11 PC lens module: 10980645

Pole operated yoke: 10980667

Robin T11 LightMaster: 10080338

Drop-in manual Iris: 10980677

Frost 0.5° (exchange) assembled: 10980583

Frost 3.5° (exchange) assembled: 10980668

Frost 5° (exchange) assembled: 10980573

Frost 10° (exchange) assembled: 10980497

Frost 20° (exchange) assembled: 10980574

Frost 30° (exchange) assembled: 10980584

Drop-in gobo and iris module: 10980649

Hot-spot lens: 10980666

Gel frame: 10980372

Barndoor module: 10980349

Top hat: TBD

Half top hat: TBD

Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor: 13052405

Mains Cable powerCON TRUE1 In/US, 2m, Indoor: 13052406

Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor: 13052439

Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor: 13052445

Mains Cable powerCON TRUE1 In/Open ended, 2m, Indoor: 13052407

Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor: 13052440

Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor: 13052444

Single Top Loader Case: 10120279

Dual Top Loader Case: TBD

Foam Shell: 20020425

### LEGAL

T11 Profile™ is a Trademark of Robe lighting s. r. o.

T11 Profile™ is patented by Robe lighting s. r. o. and is protected by one  
or more pending or issued patents

ORDERING INFORMATION

Cardboard	10018101
Single Top Loader Case	10518101
Single Top Loader Trolley Case	10518103
Dual Top Loader Case	10718101

Static gobo wheel



Rotating gobo wheel



Framing Shutters Module





Our unique T11 Fresnel™ delivers both superb performance and total generic flexibility!

Building on the superb MSL™ (Multi-Spectral Light) colour concept, and innovative TE™ technology, our T11 Fresnel™ maintains the exceptional colour finesse of the phenomenally successful T series. With a fast, interchangeable front lens system, the T11 Fresnel™ offers absolute, cost-effective flexibility while delivering superb optical quality.

With the MSL-TE™ 350W LED Engine generating over 12.000 lm from the Fresnel fixture and all the advantages of cost, exchange or replacement, this LED technology provides identical colour characteristics, responses, and control of T series luminaires, giving absolute colour consistency across your Robe lighting installation.

High-definition optics deliver the classically soft Fresnel style beam, with a wide-ranging 5-60° zoom range.

A virtually controlled CCT range of 2.700K to 8.000K, calibrated whites, and tungsten emulation gives precise control, while we ensure skin tones are perfectly rendered due to T11's high TLCI and TM30-18 ratings and exceptional CRI of 95+.

Our innovative manual shuttering system, functioning as an internal barn door, is both accurate and easy to use. Integral to the fixture is a manual 5° MagFrost™ for instant softening, with an optional 1° frost available.

The unobtrusive T11 Fresnel is specifically designed to operate in any noise-sensitive environment, with TV studio use enhanced via Cpulse™ flicker-free software and a dedicated plus and minus green channel control.

Utilizing the rapid-change front lens system, the T11 Fresnel™ quickly transforms into a Profile or PC fixture for total luminaire flexibility without the cost of separate generic purchases.

T11. The three into one generic solution!

# T11 Fresnel™

## Features

- MSL-TE™ 350W LED Engine
- DataSwatch™ – Fast Selection of Colour & Tones
- RCC™ – Robe Colour Calibration System
- Variable CCT – 2.700 – 8.000K
- CMY Colour Mixing
- Cpulse™ – Flicker-free Management

## Specifications

### SOURCE

Light source type:	MSL-TE™ 350W LED Engine
LED Engine output:	16.700 lm
LED life expectancy:	min. 40.000 hours
Colour rendition:	CRI: 95, CRI R9: 96, TM30-18 Rf: 92, TM30-18 Rg: 106, TLCI: 91
Typical lumen maintenance:	L70/B50 @ 40.000 hours
Light source warranty:	3 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Profile zoom lens system	
High-efficiency manual zoom:	High definition optics: ratio 12:1, zoom range 5°- 60°
Fixture total lumen output:	12.050 lm (integrating sphere) 9.600 lm (goniophotometer)
Optional PC and Fresnel zoom lens systems	

### MAIN FEATURES

Colour mixing:	CMY/RGB or RGBAL
White light:	Variable CCT 2.700K – 8.000K
DataSwatch™ filters:	pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K
Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)	
+ - Green correction function	
Adjustable CRI: from 80 to 95+	
Manual framing shutters:	framing shutters module with 4 individually positionable blades
MagFrost™ - magnetic paddle fast change system providing exchangeable frost containing as standard a medium 5° for even wash	
Manual zoom and focus	
Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100 %
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	
Dimmer profile selection:	Linear, Square law
Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K	
Extremely quiet operation suitable for all types of production in Theatre and TV	
AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.	

### CONTROL AND PROGRAMMING

Setting & Addressing:	two-row LCD display & 4 control buttons
Protocols:	USITT DMX-512, RDM ArtNet, MA Net, MA Net2, sACN

REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio - on request

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request

DMX Protocol modes: 8

Control channels: 18, 9, 22, 6, 1, 24, 13, 28

Variable CCT: 8 bit

+ - Green correction: 8 bit

Colour mixing: 8 or 16 bit (internal 18 bit)

Dimmer: 8 or 16 bit (internal 18 bit)

### THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 90 °C (194 °F)

Minimum operating temperature: -5 °C (23 °F)

Total heat dissipation: max. 1125 BTU/h (calculated)

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: Max. 420W

Power connector in/out: Neutrik powerCON TRUE1 in/out

DMX and RDM data in/out: Locking 5-pin XLR

Ethernet port in/out: RJ45 for Embedded Epass™ switch 10/100 Mbps - on request

### APPROVALS

CE Compliant

cETLus Compliant

### MECHANICAL SPECIFICATION

Height: 493 mm (19.4")

Width: 385 mm (15.15")

Depth: 653 mm (25.7")

Weight: 14.3 kg (31.5 lbs)

16.9 kg (37.3 lbs) with optional drop-in gobo module

Ingress protection rating: IP20

### RIGGING

Mounting horizontally or vertically via mounting yoke

Mounting points: M12 bolt

Safety cable attachment point

### INCLUDED ITEMS

User Manual

Gel frame adaptor

### OPTIONAL ACCESSORIES

Doughty Trigger Clamp

Wireless DMX external module: 10980127

Safety wire 36 kg: 99011963

T11 PC lens module: 10980645

T11 Profile lens module: 10980647

Pole operated yoke: 10980667

Frost 0.5° (exchange) assembled: 10980583

Frost 1° (exchange) assembled: 10980578

Frost 3.5° (exchange) assembled: 10980668

Frost 10° (exchange) assembled: 10980497

Frost 20° (exchange) assembled: 10980574

Frost 30° (exchange) assembled: 10980584

Gobo Holder R size: 10980655

Drop-in gobo and iris module: 10980649

Hot-spot lens: 10980666

# T11 Fresnel™

Gel frame:	10980372
Barndoor module:	10980349
Top hat:	TBD
Half top hat:	TBD
Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor:	13052405
Mains Cable powerCON TRUE1 In/US, 2m, Indoor:	13052406
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor:	13052439
Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor:	13052445
Mains Cable powerCON TRUE1 In/Open ended, 2m, Indoor:	13052407
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor:	13052440
Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor:	13052444
Single Top Loader Case:	10120279
Dual Top Loader Case:	TBD
Foam Shell:	20020425

## LEGAL

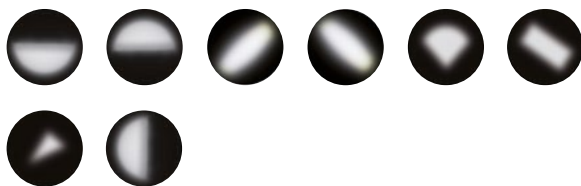
T11 Fresnel™ is a Trademark of Robe lighting s. r. o.

T11 Fresnel™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

Cardboard	10028101
Single Top Loader Case	10528101
Single Top Loader Trolley Case	10528103
Dual Top Loader Case	10728101

Framing Shutters Module





Our unique T11 PC™ delivers both superb performance and total generic flexibility!

Building on the superb MSL™ (Multi-Spectral Light) colour concept, and innovative TE™ technology, our T11 PC™ maintains the exceptional colour finesse of the phenomenally successful T series. With a fast, interchangeable front lens system, the T11 PC™ offers absolute, cost-effective flexibility while delivering superb optical quality.

With the MSL-TE™ 350W LED Engine generating over 11.700 lm from the PC fixture and all the advantages of cost, exchange or replacement, this LED technology provides identical colour characteristics, responses, and control of T series luminaires, giving absolute colour consistency across your Robe lighting installation.

High-definition optics deliver the soft edged PC style beam, with a wide-ranging 5-60° zoom range.

A virtually controlled CCT range of 2.700K to 8.000K, calibrated whites, and tungsten emulation gives precise control, while we ensure skin tones are perfectly rendered due to T11's high TLCI and TM30-18 ratings and exceptional CRI of 95+.

Our innovative manual shuttering system, functioning as an internal barn door, is both accurate and easy to use. Integral to the fixture is a manual 5° MagFrost™ for instant softening, with an optional 1° frost available.

The unobtrusive T11 PC is specifically designed to operate in any noise-sensitive environment, with TV studio use enhanced via Cpulse™ flicker-free software and a dedicated plus and minus green channel control.

Utilizing the rapid-change front lens system, the T11 PC™ quickly transforms into a Profile or Fresnel fixture for total luminaire flexibility without the cost of separate generic purchases.

T11 The three into one generic solution!

## Features

- MSL-TE™ 350W LED Engine
- DataSwatch™ – Fast Selection of Colour & Tones
- RCC™ – Robe Colour Calibration System
- Variable CCT – 2.700 – 8.000K
- CMY Colour Mixing
- Cpulse™ – Flicker-free Management

## Specifications

### SOURCE

Light source type:	MSL-TE™ 350W LED Engine
LED Engine output:	16.700 lm
LED life expectancy:	min. 40.000 hours
Colour rendition:	CRI: 95, CRI R9: 96, TM30-18 Rf: 92, TM30-18 Rg: 106, TLCI: 91
Typical lumen maintenance:	L70/B50 @ 40.000 hours
Light source warranty:	3 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Profile zoom lens system	
High-efficiency manual zoom:	High definition optics: ratio 12:1, zoom range 5°- 60°
Fixture total lumen output:	11.750 lm (integrating sphere) 9.400 lm (goniophotometer)
Optional PC and Fresnel zoom lens systems	

### MAIN FEATURES

Colour mixing:	CMY/RGB or RGBAL
White light:	Variable CCT 2.700K – 8.000K
DataSwatch™ filters:	pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K
Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)	
+ - Green correction function	
Adjustable CRI: from 80 to 95+	
Manual framing shutters:	framing shutters module with 4 individually positionable blades
MagFrost™ - magnetic paddle fast change system providing exchangeable frost containing as standard a medium 5° for even wash	
Manual zoom and focus	
Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100 %
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	
Dimmer profile selection:	Linear, Square law
Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K	
Extremely quiet operation suitable for all types of production in Theatre and TV	
AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.	

### CONTROL AND PROGRAMMING

Setting & Addressing:	two-row LCD display & 4 control buttons
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Protocols: USITT DMX-512, RDM  
ArtNet, MA Net, MA Net2, sACN

REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio - on request

Epass™ - Ethernet pass through switch which  
sustains Ethernet integrity, when the fixture has no power,  
to automatically maintain network connectivity - on request

DMX Protocol modes: 8

Control channels: 18, 9, 22, 6, 1, 24, 13, 28

Variable CCT: 8 bit

+ - Green correction: 8 bit

Colour mixing: 8 or 16 bit (internal 18 bit)

Dimmer: 8 or 16 bit (internal 18 bit)

### THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 90 °C (194 °F)

Minimum operating temperature: -5 °C (23 °F)

Total heat dissipation: max. 1125 BTU/h (calculated)

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: Max. 420W

Power connector in/out: Neutrik powerCON TRUE1 in/out

DMX and RDM data in/out: Locking 5-pin XLR

Ethernet port in/out: RJ45 for Embedded Epass™  
switch 10/100 Mbps - on request

### APPROVALS

CE Compliant

cETLus Compliant

### MECHANICAL SPECIFICATION

Height: 493 mm (19.4")

Width: 385 mm (15.15")

Depth: 653 mm (25.7")

Weight: 14.3 kg (31.5 lbs)

Ingress protection rating: IP20

### RIGGING

Mounting horizontally or vertically via mounting yoke

Mounting points: M12 bolt

Safety cable attachment point

### INCLUDED ITEMS

User Manual

Gel frame adaptor

### OPTIONAL ACCESSORIES

Doughty Trigger Clamp

Wireless DMX external module: 10980127

Safety wire 36 kg: 99011963

T11 Fresnel lens module: 10980644

T11 Profile lens module: 10980647

Pole operated yoke: 10980667

Frost 0.5° (exchange) assembled: 10980583

Frost 1° (exchange) assembled: 10980578

Frost 3.5° (exchange) assembled: 10980668

Frost 10° (exchange) assembled: 10980497

Frost 20° (exchange) assembled: 10980574

Frost 30° (exchange) assembled: 10980584

Gobo Holder R size: 10980655

Drop-in gobo and iris module: 10980649

Hot-spot lens:	10980666
Gel frame:	10980372
Barndoor module:	10980349
Top hat:	TBD
Half top hat:	TBD
Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor:	13052405
Mains Cable powerCON TRUE1 In/US, 2m, Indoor:	13052406
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor:	13052439
Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor:	13052445
Mains Cable powerCON TRUE1 In/Open ended, 2m, Indoor:	13052407
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor:	13052440
Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor:	13052444
Single Top Loader Case:	10120279
Dual Top Loader Case:	TBD
Foam Shell:	20020425

## LEGAL

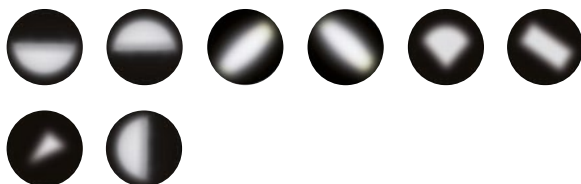
T11 PC™ is a Trademark of Robe lighting s. r. o.

T11 PC™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

Cardboard	10028111
Single Top Loader Case	10528111
Single Top Loader Trolley Case	10528113
Dual Top Loader Case	10728111

Framing Shutters Module





Bridging the divide between manual generic and fully automated fixtures, the TX1 PosiProfile™ combines both worlds into one revolutionary luminaire.

Designed to operate as a fully-fledged moving head profile or as a static but repositionable profile, the unique TX1 PosiProfile™ allows positioning and operation within extremely confined spaces where crew access is problematic or movement options are severely limited or not required.

Using our Robe patented BARS™ (Brake Attribute Retention System) operated directly from your console, TX1 remains static due to its ability to lock motorised attributes, such as pan and tilt, zoom and focus, in place. The fixture remains there until they are released.

Usually, fixtures require pre-use pan and tilt movement to calibrate to ensure accurate control when power cycling. Not so with the TX1!

Via our new MAPS™ (Motionless Absolute Positioning System) patented technology, the luminaire remains totally motionless while calibrating, unlike all other fixtures that must at least move to their home position.

Able to restrict movement before even installation via either the onboard QVGA display or from your console, you are protected against collision and accidental damage when TX1 is in extremely tight spaces. Fully functional, the TX1 maintains the full movement capabilities of a standard moving head profile, allowing it to operate as such.

With a patented MSL-TE™ 500W Multi-Spectral LED engine generating over 13.500-lumen output, you have all the advantages of data harvesting, cost-effective engine change and longevity that TRANSFERABLE ENGINE technology delivers.

Light quality is assured. Belonging to the T Series, you have the same colour control platform as other fixtures in the range to produce identical colour mixing. Perfect colour rendition is assured with an adjustable CRI of 80 to 95+ and a variable CCT of 2.700K – 8.000K.

# TX1 PosiProfile™

Our DataSwatch™ onboard colour library contains 237 of your favourite colours and tones, including factory-calibrated whites using the RCC™ (Robe Colour Calibration) system for accurate reproduction and on-call self-recalibration of the LED engine. No external tools are required.

The 9:1 ratio 5.5°-50° zoom range with superb optics and industry-leading beam quality and homogenisation guarantees perfect projection and flat beams. The patented Plano4™ four individual plane shutter module, with 120° module rotation, produces precise shutter cuts without any distorting pillowing effect, with iris included as standard.

Two MagFrost™ quick change frosts are included. A 1° for softening and a 5° for washes. Others are available on request.

TX1's modular approach ensures cost-effectiveness when used as a repositionable profile. If effects are required, an optional module is available with a fully indexable rotating gobo wheel with 7 gobos, a static wheel with 9 gobos, and an animation wheel.

This luminaire, as you would expect, comes packed with additional Robe innovations. Cpulse™ flicker-free management system for HD and UHD cameras; L3™ Low Light Linearity dimming software for imperceptible fades to black; AirLOC™ (Less Optical Cleaning) technology keeping the optical elements in pristine condition for far longer.

TX1 PosiProfile™ – Bridging the divide between manual and automated luminaires.

## Features

- MSL™ 550 W Multi-Spectral LED engine
- DataSwatch™ - Fast selection of colours & tones
- RCC™ - Robe Colour Calibration system
- Variable CCT 2.700 – 8.000K
- CMY Colour Mixing
- Cpulse™ - flicker-free management

## Specifications

### SOURCE

Light source type:	TE™ 500W Multi-Spectral LED engine (Patented)
Colour temperature:	3.200 K
Colour rendition:	CRI 95, TLCI 91
LED life expectancy:	min. 40.000 hours
Typical lumen maintenance:	L70/B50 @ 40.000 hours
Light source warranty:	3 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 9:1	
Zoom range:	5.5°-50°
Fixture total lumen output:	13.600 lm (integrating sphere) 11.000 lm (goniophotometer)
Output lens diameter:	150 mm

### DYNAMIC EFFECTS AND FEATURES

Factory calibrated whites and colours via the new RCC™ (Robe Colour Calibration) system, automatic or on-call self-re-calibration of the LED engine without the use of any external tool (Patented)

Colour mixing:	CMY/RGB or RGBAL
White light:	Variable CCT 2.700 – 8.000K

DataSwatch™ filters:	pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
Tungsten lamp effect:	750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)
	+ - Green correction function
	Adjustable CRI from 80 to 95+
Framing shutters:	Patented Plano4™ framing shutters module with 4 individually positionable blades plus rotation of the complete frame system + - 60°
Optional drop-in gobo module:	Static, rotating gobo wheel and animation wheel
Static gobo wheel:	9 static, replaceable breakup gobos + open, all gobos specially selected for theatrical and TV productions, patented slot & lock system
Rotating gobo wheel:	7 rotating, indexable and replaceable breakup and aerial gobos + open, patented slot & lock system
Animation wheel:	Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
Iris:	Motorized, stepless, pulse effects up to 3 Hz
MagFrost™ -	magnetic paddle fast change system providing exchangeable frosts containing as standard a very light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even wash, both specifically selected for theatre and TV use
	Motorized zoom and focus
	Electronic strobe effect with variable speed up to 20 Hz
	Pre-programmed random strobe & pulse effects
	L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black
	Extremely quiet operation suitable for all types of production in Theatre and TV
Cpulse™ -	special flicker-free management for HD and UHD cameras, ready for 8K and 16K
AirLOC™ -	(Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.
BARS™ -	Brake Attribute Retention System (Patented) applied for Pan, Tilt, Focus and Zoom stepper motors

## CONTROL AND PROGRAMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
Protocols:	USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
	REAP™ - Robe Ethernet Access Portal
Wireless CRMX™ technology from Lumen Radio:	On request
Epas™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request	
Wireless CRMX™ technology from LumenRadio - on request	
DMX Protocol modes:	6
Control channels:	40, 27, 44, 48, 33, 52
Pan & Tilt resolution:	16 bit
Colour mixing:	8 or 16 bit (internal 18 bit)
Variable CCT:	8 bit
Adjustable CRI:	8 bit
+ - Green correction:	8 bit
Framing shutters module movement & rotation:	8 bit

# TX1 PosiProfile™

Rotating gobo wheel positioning:	8 bit
Gobo indexing & rotation:	8 or 16 bit
Animation wheel:	8 bit
Animation wheel rotation:	8 bit
Frost:	8 bit
Zoom:	8 or 16 bit
Focus:	8 or 16 bit
Dimmer:	8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement:	540°
Tilt movement:	280°
Movement control:	Standard and Speed
Automatic Pan & Tilt position correction	
EMS™- Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)	
MAPS™ - Motionless absolute positioning system for Pan & Tilt (Patented)	

## ROTATING GOBOS

7 x rotating glass gobos	
Image diameter:	23.5 mm
Outside diameter:	26.8 mm
Thickness:	1.1 mm
Max. Thickness:	4 mm
High temperature borofloat or better glass	

## EFFECT WHEEL

Single animation wheel	
Material:	Aluminium
Can be used alone or in combination with rotating gobos	
Rotating in both directions, variable speed	

## FRAMING SHUTTERS SYSTEM

Patented Plano4™ framing shutters module	
Blades:	4 Blades, each with separate movement and rotation control
Movement:	Smooth with variable speed, ultrafast blade movements for creating mid-air effects
Pre-programmed: Shape and blade sequences	
Rotation:	+/- 60° of the complete framing system

## THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	75 °C (167 °F)
Minimum operating temperature:	-5 °C (23 °F)
Total heat dissipation:	max. 2.560 BTU/h (calculated)

## ELECTRICAL SPECIFICATION

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz
Power consumption:	max. 640W
Power in connector:	Neutric powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in:	RJ45
Ethernet port in/out:	RJ45 for Embedded Epass™ switch 10/100 Mbps - on request

## APPROVALS

CE Compliant
cETLus Compliant

**MECHANICAL SPECIFICATION**

Height:	739 mm (28.6") – head in vertical position
Width:	400 mm (15.7")
Depth:	258 mm (10.2") – head in vertical position
Weight:	24.3 kg (54 lbs)
Ingress protection rating:	IP20

**RIGGING**

Mounting positions:	0°, 32°, 90°
Universal operating position	
Mounting points:	5 pairs of 1/4-turn locking points
Omega adaptors:	2 x with 1/4-turn quick locks
Safety cable attachment point	
Pan & Tilt transport locks	

**INCLUDED ITEMS**

User Manual	
Omega Adaptor CL-regular 2 pcs:	10980033
Power cord including powerCON TRUE1 In connector	
Gel frame adaptor:	10980440

**OPTIONAL ACCESSORIES**

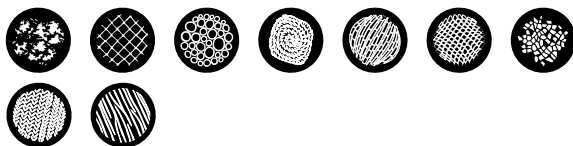
Gel Frame (compatible with standard adaptor 10980440 only):	10980443
Top Hat	
Frost 0.5° (exchange) assembled:	10980583
Frost 1° (exchange) assembled:	10980578
Frost 5° (exchange) assembled:	10980573
Frost 10° (exchange) assembled:	10980497
Frost 20° (exchange) assembled:	10980574
Frost 30° (exchange) assembled:	10980584
Doughty Trigger Clamp:	17030386
Omega Adaptor Tall CL - 2 pcs in box:	10980501
Safety wire 36 kg:	99011963
Single Top Loader Case:	10120290
Dual Top Loader Case:	10120291
Foam Shell:	20020445

**LEGAL**

TX1 PosiProfile™ is Trademark of Robe lighting s. r. o.

TX1 PosiProfile™ is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents

Static Gobo Wheel



Rotating Gobo Wheel



4-Plane Shutter System





T1 - The new ONE and only fixture you need for theatre, television and touring and now with the option to be connected to the Robe innovative RoboSpot system.

Specifically designed to fulfil the challenging requirements of these diverse applications within one comprehensive fixture. The new revolutionary MSL™ (Multi-Spectral Light) LED engine provides a fixture output reaching 12.600 lm. It's impressively bright. T1 Profile is full of theatrical subtlety. With CMY colour control, DataSwatch™ filters containing a selection of pre-programmed colours via the new generation RCC™ (Robe Colour Calibration) algorithm and a wide ranging 2.700K to 8.000K CCT control, all variations of colour are possible for even the most demanding designers. The precise needs of theatrical dimming are catered to with our super smooth Robe 18-bit dimming system. In addition, the high CRI of 95+ provides natural skin tones. Removing the need for fixture Pan & Tilt pre-use calibration movement, the innovative, and exceptionally accurate optional MAPS™ (Patentend) Motionless Absolute Positioning System provides stationary reset with no distracting motion if this occurs during a performance. Furthermore, this technology allows you to power cycle luminaires within confined spaces.

For television work, we have included a plus and minus green channel and Cpulse™ special flicker-free management for all vision systems such as HD and UHD cameras. All this combined with our crisp framing shutter system, full zoom range of 0.5° and 10° variable frosts, specially designed breakup and aerial gobos, animation wheel and prism, gives you total control of your designs in theatre, television and touring. You need only ONE. T1.

## Features

- MSL™ 550 W Multi-Spectral LED engine
- RCC™ - Robe Colour Calibration system
- CMY Colour Mixing
- DataSwatch™ - Fast selection of colours & tones
- Variable CCT 2.700 – 8.000K
- Cpulse™ - flicker-free management



## Specifications

### SOURCE

Light source type:	MSL™ 550 W Multi-Spectral LED engine (Patented)
LED life expectancy:	min. 40.000 hours
Colour rendition:	CRI: 95, CRI R9: 91, TM30-18 Rf: 93, TM30-18 Rg: 103, TlCI: 94
Typical lumen maintenance:	70% @ 20.000 hours
Light source warranty:	3 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 7:1	
Zoom range:	7°–49°, covers favoured field angles of most Theatre and TV lights
Fixture total lumen output:	12.600 lm (integrating sphere) 10.075 lm (goniophotometer)
Output lens diameter:	140 mm

### DYNAMIC EFFECTS AND FEATURES

Factory calibrated whites and colours via the new RCC™ (Robe Colour Calibration) system, automatic or on-call self-re-calibration of the LED engine without the use of any external tool (Patented)	
Colour mixing:	CMY/RGB or RGBAL
White light:	Variable CCT 2.700 – 8.000K
DataSwatch™ filters:	pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
Tungsten lamp effect:	750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay) + - Green correction function
Adjustable CRI from 80 to 95+	
MCE™ - Split and multicoloured effects created directly from the LED engine (Patented)	
Framing shutters:	Patented Plano4™ framing shutters module with 4 individually positionable blades plus rotation of the complete frame system + - 60°
Rotating gobo wheel:	7 rotating, indexable and replaceable breakup and aerial gobos + open, all gobos specially selected for theatrical and TV productions
Animation wheel:	Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
Prism:	6-facet 8° prism rotating in both directions at variable speed
Iris:	Motorized, stepless, pulse effects up to 3 Hz
MagFrost™ - magnetic paddle fast change system providing exchange- able frosts containing as standard a very light 0.5° for instant soften- ing of the projected gobo or framing shutters, and a medium 10° for even wash, both specifically selected for theatre and TV use	
Hot-Spot:	from flat field to 6:1 hot-spot (optional)
Motorized zoom and focus	
Electronic strobe effect with variable speed up to 20 Hz	
Pre-programmed random strobe & pulse effects	
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	
Extremely quiet operation suitable for all types of production in Theatre and TV	
Cpulse™ - special flicker-free management for HD and UHD cameras	
AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.	

## CONTROL AND PROGRAMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in

analyser for easy fault finding

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN

REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio: On request

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity

DMX Protocol modes: 3

Control channels: 49, 33, 53

Pan & Tilt resolution: 16 bit

Colour mixing: 8 or 16 bit (internal 18 bit)

Variable CCT: 8 bit

Adjustable CRI: 8 bit

+ - Green correction: 8 bit

Framing shutters module movement & rotation: 8 bit

Rotating gobo wheel positioning: 8 bit

Gobo indexing & rotation: 8 or 16 bit

Animation wheel: 8 bit

Prism indexing & rotation: 8 bit

Iris: 8 or 16 bit

Frost: 8 bit

Zoom: 8 or 16 bit

Focus: 8 or 16 bit

Dimmer: 8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement: 540°

Tilt movement: 265°

Movement control: Standard and Speed

Automatic Pan & Tilt position correction

EMS™- Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Optional MAPS™ - Motionless absolute positioning system for Pan & Tilt (Patented)

## ROTATING GOBOS

7 x rotating glass gobos

Image diameter: 23.5 mm

Outside diameter: 26.8 mm

Thickness: 1.1 mm

Max. Thickness: 3.5 mm

High temperature borofloat or better glass

Slot & lock system for easy replacement of gobos

## EFFECT WHEEL

Single animation wheel

Material: Aluminium

Can be used alone or in combination with rotating gobos

Rotating in both directions, variable speed

## FRAMING SHUTTERS SYSTEM

Patented Plano4™ framing shutters module

Blades: 4 Blades, each with separate movement and rotation control

Movement: Smooth with variable speed

Smooth and very precise motion of framing shutters

Rotation: +- 60° of the complete Framing system

### THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 70 °C (158 °F)

Minimum operating temperature: -5 °C (23 °F)

Total heat dissipation: max. 2.560 BTU/h (calculated)

### NOISE LEVELS

Sound pressure level: 24 dB(A) at 1 m (quiet mode)

30 dB(A) at 1 m (auto mode)

Sound power level: 32 dB(A) (quiet mode)

38 dB(A) (auto mode)

### ELECTRICAL SPECIFICATION

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: max. 750W

Power in connector: Neutric powerCON TRUE1

DMX and RDM data in/out: Locking 3-pin & 5-pin XLR

Ethernet port in: RJ45

Ethernet port in/out: RJ45 (instead of 3-pin XLR) for Embedded Epass™ - switch 10/100 Mbps - on request

### APPROVALS

CE Compliant

cETLus Compliant

### MECHANICAL SPECIFICATION

Height: 726 mm (28.6") – head in vertical position

Width: 400 mm (15.7")

Depth: 258 mm (10.2") – head in vertical position

Weight: 24.3 kg (54 lbs)

Ingress protection rating: IP20

### RIGGING

Mounting positions: Horizontally or vertically

Universal operating position

Mounting points: 2 pairs of 1/4-turn locking points

Omega adaptors: 2 x with 1/4-turn quick locks

Safety cable attachment point

Pan & Tilt transport locks

### INCLUDED ITEMS

User Manual

Omega Adaptor CL-regular 2 pcs: 10980033

Power cord including powerCON TRUE1 In connector

Gel frame adaptor: 10980440

### OPTIONAL ACCESSORIES

7.5" Gel Frame (compatible with standard adaptor 10980440 only):

10980443

Gel frame adaptor:T1 with Top Hat 10980474

Top hat (compatible with optional adaptor 10980474 only): 10980451

Doughty Trigger Clamp: 17030386

Frost 0.5° (exchange) assembled: 10980583

Frost 1° (exchange) assembled: 10980578

Frost 5° (exchange) assembled: 10980573

Frost 10° (exchange) assembled: 10980497

Frost 20° (exchange) assembled: 10980574

Frost 30° (exchange) assembled: 10980584

Hot-Spot lens in gobo holder: 10980483

Safety wire 36 kg: 99011963

Single Top Loader Case: 10120244-03

# T1 Profile™

Dual Top Loader Case:	10120245-03
Foam Shell:	20020340-01

## LEGAL

T1 Profile™ is a Trademark of Robe lighting s. r. o.

T1 Profile™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model:

Dual Top Loader Case:	10718431
Single Top Loader Case:	10518431
Cardboard:	10018431

### EU Model with WIRELESS:

Dual Top Loader Case:	10718432
Single Top Loader Case:	10518432
Cardboard:	10018432

### US model:

Dual Top Loader Case:	10718433
Single Top Loader Case:	10518433
Cardboard:	10018433

Rotating gobo wheel





T1 - The new ONE and only fixture you need for theatre, television and touring and now with the option to be connected to the Robe innovative RoboSpot system.

The T1 Profile FollowSpot is equipped with the digital camera on the head and can be connected with the RoboSpot BaseStation for off-stage follow spot operation.

Specifically designed to fulfil the challenging requirements of these diverse applications within one comprehensive fixture. The new revolutionary MSL™ (Multi-Spectral Light) LED engine provides a fixture output reaching 12.600 lm. It's impressively bright.

T1 Profile is full of theatrical subtlety. With CMY colour control, DataSwatch™ filters containing a selection of pre-programmed colours via the new generation RCC™ (Robe Colour Calibration) algorithm and a wide ranging 2700K to 8000K CCT control, all variations of colour are possible for even the most demanding designers.

The precise needs of theatrical dimming are catered to with our super smooth Robe 18-bit dimming system. In addition, the high CRI of 95+ provides natural skin tones.

Removing the need for fixture Pan & Tilt pre-use calibration movement, the innovative, and exceptionally accurate optional MAPS™ (Patented) Motionless Absolute Positioning System provides stationary reset with no distracting motion if this occurs during a performance. Furthermore, this technology allows you to power cycle luminaires within confined spaces.

For television work, we have included a plus and minus green channel and Cpulse™ special flicker-free management for all vision systems such as HD and UHD cameras. All this combined with our crisp framing shutter system, full zoom range of 0.5° and 10° variable frosts, specially designed breakup and aerial gobos, animation wheel and prism, gives you total control of your designs in theatre, television and touring.

You need only ONE. T1.

# T1 Profile FS™

## Features

- MSL™ 550 W Multi-Spectral LED engine
- RCC™ - Robe Colour Calibration system
- CMY Colour Mixing
- DataSwatch™ - Fast selection of colours & tones
- Variable CCT 2.700 – 8.000K
- Cpulse™ - flicker-free management

## Specifications

### SOURCE

Light source type:	MSL™ 550 W Multi-Spectral LED engine (Patented)
LED life expectancy:	min. 30.000 hours
Colour rendition:	CRI: 95, CRI R9: 91, TM30-18 Rf: 93, TM30-18 Rg: 103, TLCI: 94
Control:	Automatic and remote on/off
Light source warranty:	3 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 7:1	
Zoom range:	7°–49°, covers favoured field angles of most Theatre and TV lights
Fixture total lumen output:	12.600 lm (integrating sphere) 10.075 lm (goniophotometer)
Output lens diameter:	140 mm

### DYNAMIC EFFECTS AND FEATURES

Factory calibrated whites and colours via the new RCC™ (Robe Colour Calibration) system, automatic or on-call self-re-calibration of the LED engine without the use of any external tool (Patented)	
Colour mixing:	CMY/RGB or RGBAL
White light:	Variable CCT 2.700 – 8.000K
DataSwatch™ filters:	pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
Tungsten lamp effect:	750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)
+ - Green correction function	
Adjustable CRI from 80 to 95+	
Framing shutters:	Patented Plano4™ framing shutters module with 4 individually positionable blades plus rotation of the complete frame system + - 60°
Rotating gobo wheel:	7 rotating, indexable and replaceable breakup and aerial gobos + open, all gobos specially selected for theatrical and TV productions
Animation wheel:	Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
Prism:	6-facet 8° prism rotating in both directions at variable speed
Iris:	Motorized, stepless, pulse effects up to 3 Hz
MagFrost™ - magnetic paddle fast change system providing exchangeable frosts containing as standard a very light 0.5° for instant softening of the projected gobo or framing shutters, and a medium 10° for even wash, both specifically selected for theatre and TV use	
Hot-Spot: from flat field to 6:1 hot-spot	
Motorized zoom and focus	
Electronic strobe effect with variable speed up to 20 Hz	
Pre-programmed random strobe & pulse effects	
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	
Extremely quiet operation suitable for all types of production in Theatre and TV	

Cpulse™ - special flicker-free management for HD and UHD cameras  
 AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.

### CONTROL AND PROGRAMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
Protocols:	USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
REAP™ - Robe Ethernet Access Portal	
Wireless CRMX™ technology from Lumen Radio:	On request
Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity	
DMX Protocol modes:	3
Control channels:	49, 33, 53
Pan & Tilt resolution:	16 bit
Colour mixing:	8 or 16 bit (internal 18 bit)
Variable CCT:	8 bit
Adjustable CRI:	8 bit
+ - Green correction:	8 bit
Framing shutters module movement & rotation:	8 bit
Rotating gobo wheel positioning:	8 bit
Gobo indexing & rotation:	8 or 16 bit
Animation wheel:	8 bit
Prism indexing & rotation:	8 bit
Iris:	8 or 16 bit
Frost:	8 bit
Zoom:	8 or 16 bit
Focus:	8 or 16 bit
Dimmer:	8 or 16 bit (internal 18 bit)

### MOVEMENT

Pan movement:	540°
Tilt movement:	265°
Movement control:	Standard and Speed
Automatic Pan & Tilt position correction	
EMS™- Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)	
Optional MAPS™ - Motionless absolute positioning system for Pan & Tilt (Patented)	

### ROTATING GOBOS

7 x rotating glass gobos	
Image diameter:	23.5 mm
Outside diameter:	26.8 mm
Thickness:	1.1 mm
Max. Thickness:	4 mm
High temperature borofloat or better glass	
Slot & lock system for easy replacement of gobos	

### EFFECT WHEEL

Single animation wheel	
Material:	Aluminium
Can be used alone or in combination with rotating gobos	
Rotating in both directions at variable speed	

# T1 Profile FS™

## FRAMING SHUTTERS SYSTEM

Patented Plano4™ framing shutters module

Shutters:	4 Blades, each with separate movement and rotation control
Movement:	Smooth with variable speed
Smooth and very precise motion of framing shutters	
Rotation:	+/- 60° of the complete Framing system

## CAMERA

Type:	SNZ-6320
Resolution:	1920 x 1080, 16:9 Full HD (1080p) resolution support
Zoom:	32x optical zoom 16x digital zoom
Streaming:	H.264, MPEG dual codec, Multiple streaming
Vision:	Day & Night (ICR), WDR (120dB)
Minimum illumination:	0.3 Lux

## THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	70 °C (158 °F)
Minimum operating temperature:	-5 °C (23 °F)
Total heat dissipation:	max. 2.560 BTU/h (calculated)

## NOISE LEVELS

Sound pressure level:	24 dB(A) at 1 m (quiet mode)
	30 dB(A) at 1 m (auto mode)
Sound power level:	32 dB(A) (quiet mode)
	38 dB(A) (auto mode)

## ELECTRICAL SPECIFICATION

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz
Power consumption:	max. 750W
Power in connector:	Neutric powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in:	RJ45

## APPROVALS

CE Compliant  
cETLus Compliant

## MECHANICAL SPECIFICATION

Height:	726 mm (28.6") – head in vertical position
Width:	400 mm (15.7")
Depth:	258 mm (10.2") – head in vertical position
Weight:	25.5 kg (56.2 lbs)
Ingress protection rating:	IP20

## RIGGING

Mounting positions:	Horizontally or vertically
Universal operating position	
Mounting points:	2 pairs of 1/4-turn locking points
Omega adaptors:	2 x with 1/4-turn quick locks
Safety cable attachment point	
Pan & Tilt transport locks	

## INCLUDED ITEMS

User Manual	
Omega Adaptor CL-regular 2 pcs:	10980033
Power cord including powerCON TRUE1 In connector	
Gel frame adaptor:	10980440
RoboSpot Camera	



**OPTIONAL ACCESSORIES**

7.5" Gel Frame:	10980443
Gel frame adaptor: T1 with Top Hat	10980474
Top hat:	10980451
Doughty Trigger Clamp:	17030386
Frost 0.5° (exchange) assembled:	10980583
Frost 1° (exchange) assembled:	10980578
Frost 5° (exchange) assembled:	10980573
Frost 10° (exchange) assembled:	10980497
Frost 20° (exchange) assembled:	10980574
Frost 30° (exchange) assembled:	10980584
Safety wire 35 kg:	99011963
Single Top Loader Case:	10120244-03
Dual Top Loader Case:	10120245-03
Foam Shell:	20020340-01

**LEGAL**

T1 Profile FS™ is a Trademark of Robe lighting s. r. o.

T1 Profile FS™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

**ORDERING INFORMATION****EU Model:**

Dual Top Loader Case:	10718441
Single Top Loader Case:	10518441
Cardboard:	10018441

**EU Model with WIRELESS:**

Dual Top Loader Case:	10718442
Single Top Loader Case:	10518442
Cardboard:	10018442

**US model:**

Dual Top Loader Case:	10718443
Single Top Loader Case:	10518443
Cardboard:	10018443

Rotating gobo wheel





T1 Fresnel. The new **ONE** and only wash fixture you need for theatre, television and touring.

Specifically designed to fulfil the challenging requirements of these diverse applications within one wash fixture. The new revolutionary MSL™ (Multi-Spectral Light) LED engine provides an output reaching 10.500 lumens. It's impressively bright.

Using either the Fresnel or PC lens supplied, T1 Fresnel is full of theatrical subtlety. With CMY colour control, DataSwatch™ filters containing a selection of pre programmed colours via the new generation RCC™ (Robe Colour Calibration) algorithm and a wide ranging 2700K to 8000K CCT control - all variations of colour are possible for even the most demanding designers. The precise needs of theatrical dimming are catered to with our new L3™ Low Light Linearity dimming system. In addition, the high CRI of 90+ provides natural skin tones.

Removing the need for fixture Pan & Tilt pre-use calibration movement, the innovative, and exceptionally accurate optional MAPS™ (Patented) Motionless Absolute Positioning System provides stationary reset with no distracting motion if this occurs during a performance. Furthermore, this technology allows you to power cycle luminaires within confined spaces.

For television work, we have included a plus and minus green channel and Cpulse™ flicker-free source management for all vision systems such as HD and UHD cameras.

All this combined with our precise +/- 90° rotatable individually controlled internal barndoor system, a zoom range of 8° to 60°, beam shaper, graduated scrim with 180° rotation and light and medium frosts, the result is total control of your designs in theatre, television and touring.

## Features

- MSL™ 550 W Multi-Spectral LED engine
- DataSwatch™ - Fast selection of colours & tones
- RCC™ - Robe Colour Calibration system
- Variable CCT 2.700 – 8.000K
- CMY Colour Mixing
- Cpulse™ - flicker-free management

### SOURCE

Light source type:	MSL™ 550 W Multi-Spectral LED engine (Patented)
LED life expectancy:	min. 40.000 hours
Colour rendition:	CRI: 95, CRI R9: 91, TM30-18 Rf: 93, TM30-18 Rg: 103, TlCI: 94
Light source warranty:	3 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 7:1	
Zoom range:	8°–60°
Fixture total lumen output:	10.500 lm (integrating sphere) 8.500 lm (goniophotometer)
Output lens diameter:	156 mm

### DYNAMIC EFFECTS AND FEATURES

Factory calibrated whites and colours via the new RCC™ (Robe Colour Calibration) system, automatic or on-call self-re-calibration of the LED engine without the use of any external tool (Patented)	
Colour mixing:	CMY/RGB or RGBAL
White light:	Variable CCT 2.700 – 8.000K
DataSwatch™ filters:	pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
Tungsten lamp effect:	750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)
+ - Green correction function	
Adjustable CRI from 80 to 95+	
4Door™ -	Internal Barndoors with individual control of the four leaves for added beam control of wash light, with +/- 90° module rotation. (Patented)
MagFrost™ -	Magnetic paddle fast change system providing exchangeable frosts containing as standard light 5° and medium 10° frost filters
RotaScrim™ -	Internal Scrimmodule with graduated filter position control for asymmetrical style lighting of drapes and unwanted hotspot removal from scenery. The entire module can be rotated +/- 180°. (Patented)
Motorized zoom	
Edge colour correction	
Electronic strobe effect with variable speed up to 20 Hz	
Pre-programmed random strobe & pulse effects	
L3™ - (Low Light Linearity)	Imperceptible 18 bit dimming for ultra smooth fade to black
Extremely quiet operation suitable for all types of production in Theatre and TV	
Cpulse™ - special flicker-free management for HD and UHD cameras	
AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.	

### CONTROL AND PROGRAMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
Protocols:	USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN

## REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio: On request

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity

DMX Protocol modes:	3
Control channels:	35, 24, 39
Pan & Tilt resolution:	16 bit
Colour mixing:	8 or 16 bit (internal 18 bit)
Variable CCT:	8 bit
Internal barndoor module movement & rotation:	8 bit
Internal scrim module movement & rotation:	8 bit
Frost:	8 bit
Zoom:	8 or 16 bit
Edge colour correction:	8 bit
Dimmer:	8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement:	540°
Tilt movement:	265°
Movement control:	Standard and Speed
Controllable speed of Pan & Tilt movement	

Automatic Pan & Tilt position correction

EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Optional MAPS™ - Motionless absolute positioning system for Pan & Tilt (Patented)

## INTERNAL BARNDOORS

Patented 4Door™ internal barndoors module:

- Barndoors: 4 blades, each with separate movement control
- Rotation: +/- 90° module rotation

## INTERNAL SCRIM

Patented RotaScrim™ internal Scrim module:

- Graduated filter position control
- Rotation: +/- 180° of the entire module

## THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	70 °C (158 °F)
Minimum operating temperature:	-5 °C (23 °F)
Total heat dissipation:	max. 2.560 BTU/h (calculated)

## NOISE LEVELS

Sound pressure level:	24 dB(A) at 1 m (quiet mode) 30 dB(A) at 1 m (auto mode)
Sound power level:	32 dB(A) (quiet mode) 38 dB(A) (auto mode)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz
Power consumption:	max. 750W (all LEDs On)
Typical power consumption:	160-215 W (one colour = full)
Power in connector:	Neutrik powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in:	RJ45
Ethernet port in/out:	RJ45 (instead of 3-pin XLR) for Embedded Epass™ - switch 10/100 Mbps - on request

**APPROVALS**

CE Compliant

cETLus Compliant

**MECHANICAL SPECIFICATION**

Height: 712 mm (28") - head in vertical position

Width: 400 mm (15.7")

Depth: 258 mm (10.2") - head in vertical position

Weight: 22.6 kg (49.8 lbs)

Ingress protection rating: IP20

**RIGGING**

Mounting positions: Horizontally or vertically

Universal operating position

Mounting points: 2 pairs of 1/4-turn locking points

2x Omega adaptors with 1/4-turn quick locks

Safety cable attachment point

Pan &amp; Tilt transport locks

**INCLUDED ITEMS**

User Manual

Omega Adaptor CL-regular 2 pcs: 10980033

Power cord including powerCON TRUE1 In connector

Gel frame adaptor

Top hat: 10980535

**OPTIONAL ACCESSORIES**

Gel frame: 10980452

Module of PC lens T1 Fresnel: 10980449

Doughty Trigger Clamp: 17030386

Safety wire 36 kg: 99011963

Single Top Loader Case: 10120244-03

Dual Top Loader Case: 10120245-03

Foam Shell: 20020340-01

**LEGAL**

T1 Fresnel™ is a Trademark of Robe lighting s. r. o.

T1 Fresnel™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

**ORDERING INFORMATION****EU Model:**

Cardboard: 10028431

Single Top Loader Case: 10528431

Dual Top Loader Case: 10728431

**EU Model with wireless:**

Cardboard: 10028432

Single Top Loader Case: 10528432

Dual Top Loader Case: 10728432

**US model**

Cardboard 10028433

Single Top Loader Case 10528433

Dual Top Loader Case 10728433

Internal Barndoors – Beam Shaping Module





T1 PC. The new **ONE** and only wash fixture you need for theatre, television and touring.

Specifically designed to fulfil the challenging requirements of these diverse applications within one wash fixture. The new revolutionary MSL™ (Multi-Spectral Light) LED engine provides an output reaching 13.000 lumens. It's impressively bright.

Using either the Fresnel or PC lens supplied, T1 PC is full of theatrical subtlety. With CMY colour control, DataSwatch™ filters containing a selection of pre programmed colours via the new generation RCC™ (Robe Colour Calibration) algorithm and a wide ranging 2700K to 8000K CCT control - all variations of colour are possible for even the most demanding designers. The precise needs of theatrical dimming are catered to with our new L3™ Low Light Linearity dimming system. In addition, the high CRI of 95+ provides natural skin tones.

Removing the need for fixture Pan & Tilt pre-use calibration movement, the innovative, and exceptionally accurate optional MAPS™ (Patented) Motionless Absolute Positioning System provides stationary reset with no distracting motion if this occurs during a performance. Furthermore, this technology allows you to power cycle luminaires within confined spaces.

For television work, we have included a plus and minus green channel and Cpulse™ flicker-free source management for all vision systems such as HD and UHD cameras.

All this combined with our precise +/- 90° rotatable individually controlled internal barndoor system, a zoom range of 7° to 50°, beam shaper, graduated scrim with 180° rotation and light and medium frosts, the result is total control of your designs in theatre, television and touring.

You need only **ONE**. T1.

## Features

- MSL™ 550 W Multi-Spectral LED engine
- DataSwatch™ - Fast selection of colours & tones
- RCC™ - Robe Colour Calibration system
- Variable CCT 2.700 – 8.000K
- CMY Colour Mixing
- Cpulse™ - flicker-free management

### SOURCE

Light source type:	MSL™ 550 W Multi-Spectral LED engine (Patented)
LED life expectancy:	min. 40.000 hours
Colour rendition:	CRI: 95, CRI R9: 91, TM30-18 Rf: 93, TM30-18 Rg: 103, TlCI: 94
Light source warranty:	3 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 7:1	
Zoom range:	7°–50°
Fixture total lumen output:	13.000 lm (integrating sphere) 10.500 lm (goniophotometer)
Output lens diameter:	156 mm

### DYNAMIC EFFECTS AND FEATURES

Factory calibrated whites and colours via the new RCC™ (Robe Colour Calibration) system, automatic or on-call self-re-calibration of the LED engine without the use of any external tool (Patent pending)	
Colour mixing:	CMY/RGB or RGBAL
White light:	Variable CCT 2.700 – 8.000K
DataSwatch™ filters:	pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
Tungsten lamp effect:	750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)
+ - Green correction function	
Adjustable CRI from 80 to 95+	
4Door™ -	Internal Barndoors with individual control of the four leaves for added beam control of wash light, with +/- 90° module rotation. (Patented)
MagFrost™ -	Magnetic paddle fast change system providing exchangeable frosts containing as standard light 5° and medium 10° frost filters
RotaScrim™ -	Internal Scrimmodule with graduated filter position control for asymmetrical style lighting of drapes and unwanted hotspot removal from scenery. The entire module can be rotated +/- 180°. (Patented)
Motorized zoom	
Edge colour correction	
Electronic strobe effect with variable speed up to 20 Hz	
Pre-programmed random strobe & pulse effects	
L3™ - (Low Light Linearity)	Imperceptible 18 bit dimming for ultra smooth fade to black
Extremely quiet operation suitable for all types of production in Theatre and TV	
Cpulse™ - special flicker-free management for HD and UHD cameras	
AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.	

### CONTROL AND PROGRAMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
Protocols:	USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN

**REAP™ - Robe Ethernet Access Portal**

Wireless CRMX™ technology from Lumen Radio:	On request
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Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity

DMX Protocol modes:	3
Control channels:	35, 24, 39
Pan & Tilt resolution:	16 bit
Colour mixing:	8 or 16 bit (internal 18 bit)
Variable CCT:	8 bit
Internal barndoor module movement & rotation:	8 bit
Internal scrim module movement & rotation:	8 bit
Frost:	8 bit
Zoom:	8 or 16 bit
Edge colour correction:	8 bit
Dimmer:	8 or 16 bit (internal 18 bit)

**MOVEMENT**

Pan movement:	540°
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Tilt movement:	265°
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Movement control:	Standard and Speed
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Controllable speed of Pan & Tilt movement
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Automatic Pan & Tilt position correction
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EMS™ - Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)Optional

MAPS™ - Motionless absolute positioning system for Pan & Tilt (Patented)

**INTERNAL BARNDOORS**

Patented 4Door™ internal barndoors module:

- Barndoors: 4 blades, each with separate movement control

- Rotation: +/- 90° module rotation

**INTERNAL SCRIM**

Patented RotaScrim™ internal Scrim module:

- Graduated filter position control

- Rotation: +/- 180° of the entire module

**THERMAL SPECIFICATION**

Maximum ambient temperature:	45 °C (113 °F)
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Maximum surface temperature:	70 °C (158 °F)
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Minimum operating temperature:	-5 °C (23 °F)
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Total heat dissipation:	max. 2.560 BTU/h (calculated)
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**NOISE LEVELS**

Sound pressure level:	24 dB(A) at 1 m (quiet mode)
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30 dB(A) at 1 m (auto mode)
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Sound power level:	32 dB(A) (quiet mode)
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38 dB(A) (auto mode)
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**ELECTRICAL SPECIFICATION AND CONNECTIONS**

Power supply:	Electronic auto-ranging
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Input voltage range:	100-240 V, 50/60 Hz
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Power consumption:	max. 750W (all LEDs On)
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Typical power consumption:	160–215 W (one colour = full)
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Power in connector:	Neutrik powerCON TRUE1
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DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
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Ethernet port in:	RJ45
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Ethernet port in/out: RJ45 (instead of 3-pin XLR) for Embedded Epass™ - switch 10/100 Mbps - on request
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**APPROVALS**

CE Compliant

cETLus Compliant

**MECHANICAL SPECIFICATION**

Height:	712 mm (28") - head in vertical position
Width:	400 mm (15.7")
Depth:	258 mm (10.2") - head in vertical position
Weight:	22.6 kg (49.8 lbs)
Ingress protection rating:	IP20

**RIGGING**

Mounting positions:	Horizontally or vertically
Universal operating position	
Mounting points:	2 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	
Pan & Tilt transport locks	

**INCLUDED ITEMS**

User Manual	
Omega Adaptor CL-regular 2 pcs:	10980033
Power cord including powerCON TRUE1 In connector	
Gel frame adaptor	

**OPTIONAL ACCESSORIES**

Gel frame:	10980452
Top hat:	10980535
Module of Fresnel lens for T1 PC:	10980450
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Single Top Loader Case:	10120244-03
Dual Top Loader Case:	10120245-03
Foam Shell:	20020340-01

**LEGAL**

T1 PC™ is a Trademark of Robe lighting s. r. o.

T1 PC™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

**ORDERING INFORMATION****EU Model:**

Cardboard:	10028451
Single Top Loader Case:	10528451
Dual Top Loader Case:	10728451

**EU Model with wireless:**

Cardboard:	10028452
Single Top Loader Case:	10528452
Dual Top Loader Case:	10728452

**US model**

Cardboard	10028453
Single Top Loader Case	10528453
Dual Top Loader Case	10728453

Internal Barndoors – Beam Shaping Module





Bigger, bolder, brighter! Building on the highly successful LEDBeam 150™ the big brother LEDBeam 350™ has arrived, delivering more punch and presence to create even more fast sweeping beams and gorgeous washes.

Maintaining the spectacular 3.8° to 60° zoom range and Robe's innovative lens coating technology, which keeps lenses clearer and scratch-free, we have added more advanced technology. CPulse™, our highly respected Pulse Width Modulation control system, removes any on-screen camera flicker, making LEDBeam 350's eminently suitable for work with the most advanced HD and UHD cameras.

All features, including fast movement, colour mixing, zoom and control from its smaller sister can be maintained via a compatibility mode, meaning seamlessly use both models together with identical behaviour on the same rig. The 12 x 40W RGBW high power multichips provide plenty of output or CMY colour mixing control. DataSwatch™ contains 66 premixed colours and tones, including whites, for fast, reliable colour selection, while our system takes care of imperceptible fades to black. Being exceptionally quiet, due to the advanced cooling system and new super smooth zoom stepper motors, tungsten lamp emulation for lamps 2500W, and a variable CTO from 2.700K to 8.000K, the fixture is ideal for theatrical use.

## Features

- 12 x 40W RGBW multichips
- L3™ – Low Light Linearity
- Extremely Fast Pan & Tilt Movement
- Perfect Colour Mixing
- Zoom range: 3.8°–60°
- True Whites

## Specifications

### SOURCE

Light source type:	12 x 40W RGBW multichips
LED Life Expectancy:	min. 50.000 hours
Typical Lumen Maintenance:	L70/B50 @ 50.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Innovative lens coating technology (Patented pending)	
High-efficiency zoom optical system, ratio 15,5:1	
Zoom range:	3.8°–60°
Fixture total lumen output:	8.200 lm (integrating sphere) 6.574 lm (goniophotometer)

Illuminance: 28.200 lx @ 5 m

### DYNAMIC EFFECTS AND FEATURES

Colour mixing mode RGBW or CMY

White light: Variable CCT 2.700 – 8.000K

DataSwatch™ filters: pre-programmed 66 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K

Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)

Motorized exceptionally quiet zoom

Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects

High resolution electronic dimming: 0–100%

L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black

Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K

Extremely quiet operation suitable for all types of production in Theatre and TV

### CONTROL AND PROGRAMMING

Setting & Addressing: two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 40 steps)

Protocols: USITT DMX-512, RDM ArtNet, MA Net, MA Net2, sACN - on request

REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio: on request

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity

DMX Protocol modes: 3

Control channels: 22, 16, 24

Pan & Tilt resolution: 16 bit

RGBW/CMY: 8 or 16 bit

Zoom: 8 or 16 bit

Dimmer: 8 or 16 bit (internal 18 bit)

### MOVEMENT

Pan movement: 540° standard  
450° reduced

Tilt movement: 228°

Movement control: Standard and Speed

Controllable speed of Pan & Tilt movement

Automatic Pan & Tilt position correction

### THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 80 °C (176 °F)

Minimum operating temperature: -5 °C (23 °F)

Total heat dissipation: max. 1.153 BTU/h (calculated)

### NOISE LEVELS

Sound pressure level: 31 dB(A) at 1 m (quiet mode)  
34 dB(A) at 1 m (auto mode)

Sound power level: 39 dB(A) (quiet mode)  
42 dB(A) (auto mode)

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: Max. 450W

Power connector in/out: Neutrik powerCON TRUE1 in/out

DMX and RDM data in/out: Locking 5-pin XLR

# LEDBeam 350™

Ethernet port in/out: RJ45, for Embedded Epass™ - switch  
10/100 Mbps - on request

## APPROVALS

CE Compliant  
cETLus Compliant

## MECHANICAL SPECIFICATION

Height: 426 mm (16.8") – head in vertical position  
Width: 320 mm (12.6")  
Depth: 220 mm (8.7") – head in vertical position  
Weight: 9.85 kg (21.72 lbs)  
Ingress protection rating: IP20

## RIGGING

Mounting positions: Horizontally or vertically  
Universal operating position  
Mounting points: 2 pairs of 1/4-turn locking points  
2x Omega adaptors with 1/4-turn quick locks  
Safety cable attachment point

## INCLUDED ITEMS

User Manual  
Omega Adaptor CL-regular: 2 pcs 10980033

## OPTIONAL ACCESSORIES

Diffusion filter: 2° FW 10980559  
Wireless DMX external module: 10980127  
EggCrate: 10980560  
Safety wire 36 kg: 99011963  
Single Omega Bracket for one clamp - black: 10980100  
Single Omega Bracket for one clamp - white: 10980129  
Single Omega Bracket for one clamp - neutral: 10980113  
Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor: 13052405  
Mains Cable powerCON TRUE1 In/US, 2m, Indoor: 13052406  
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor: 13052439  
Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor: 13052445  
Mains Cable powerCON TRUE1 In/Open ended, 2m, Indoor: 13052407  
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor: 13052440  
Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor: 13052444  
Single Top Loader Case: 10120273  
Quad Top Loader Case: 10120274  
Foam Shell: 20020397

## LEGAL

LEDBeam 350™ is a Trademark of Robe lighting s. r. o.  
LEDBeam 350™ is patented by Robe lighting s. r. o. and is protected by  
one or more pending or issued patents

## ORDERING INFORMATION

### EU Model:

Cardboard: 10071371  
Single Top Loader Case: 10571371  
Quad Top Loader Case: 10871371

### EU Model with Wireless:

Cardboard: 10071372  
Single Top Loader Case: 10571372  
Quad Top Loader Case: 10871372



Bigger, bolder, brighter! Building on the highly successful LEDBeam 150™ the big brother LEDBeam 350™ has arrived, delivering more punch and presence to create even more fast sweeping beams and gorgeous washes.

Maintaining the spectacular 3.8° to 60° zoom range and Robe's innovative lens coating technology, which keeps lenses clearer and scratch-free, we have added more advanced technology. CPulse™, our highly respected Pulse Width Modulation control system, removes any on-screen camera flicker, making LEDBeam 350's eminently suitable for work with the most advanced HD and UHD cameras.

All features, including fast movement, colour mixing, zoom and control from its smaller sister can be maintained via a compatibility mode, meaning seamlessly use both models together with identical behaviour on the same rig. The 12 x 40W RGBW high power multichips provide plenty of output or CMY colour mixing control. DataSwatch™ contains 66 premixed colours and tones, including whites, for fast, reliable colour selection, while our system takes care of imperceptible fades to black. Being exceptionally quiet, due to the advanced cooling system and new super smooth zoom stepper motors, tungsten lamp emulation for lamps 2500W, and a variable CTO from 2.700K to 8.000K, the fixture is ideal for theatrical use.

The LEDBeam 350™ FW version offers a Fresnel-Wash type of beam for smoother edges and better colour homogenization.

## Features

- 12 x 40W RGBW multichips
- L3™ – Low Light Linearity
- Extremely Fast Pan & Tilt Movement
- Perfect Colour Mixing
- Zoom range: 3.8°–60°
- True Whites

## Specifications

### SOURCE

Light source type:	12 x 40W RGBW multichips
LED Life Expectancy:	min. 50.000 hours
Typical Lumen Maintenance:	L70/B50 @ 50.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design
Innovative lens coating technology (Patented pending)

# LEDBeam 350™ FW

High-efficiency zoom optical system, ratio 15,5:1

Diffusion filter imbedded

Zoom range: 3.8°–60°

Fixture total lumen output: 7.350 lm (integrating sphere)  
5.875 lm (goniophotometer)

Illuminance: 20.000 lx @ 5 m

## DYNAMIC EFFECTS AND FEATURES

Colour mixing mode RGBW or CMY

White light: Variable CCT 2.700 – 8.000K

DataSwatch™ filters: pre-programmed 66 colours and tones including  
most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K

Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp  
emulation for whites from 2.700K to 4200K (red shift and thermal delay)

Motorized zoom

Electronic strobe effect with variable speed up to 20 Hz, pre-programmed  
random strobe & pulse effects

High resolution electronic dimming: 0–100%

L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth  
fade to black

Cpulse™ - special flicker-free management for HD and UHD cameras,  
ready for 8K and 16K

Extremely quiet operation suitable for all types of production in Theatre  
and TV

## CONTROL AND PROGRAMMING

Setting & Addressing: two-row LCD display & 4 control buttons,  
stand-alone operation with 3 editable programs (each up to 40 steps)

Protocols: USITT DMX-512, RDM  
ArtNet, MA Net, MA Net2, sACN - on request

REAP™ - Robe Ethernet Access Portal

Wireless CRMX™ technology from Lumen Radio: on request

Epass™ - Ethernet pass through switch which sustains Ethernet  
integrity, when the fixture has no power, to automatically maintain  
network connectivity

DMX Protocol modes: 3

Control channels: 22, 16, 24

Pan & Tilt resolution: 16 bit

RGBW/CMY: 8 or 16 bit

Zoom: 8 or 16 bit

Dimmer: 8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement: 540° standard  
450° reduced

Tilt movement: 228°

Movement control: Standard and Speed

Controllable speed of Pan & Tilt movement

Automatic Pan & Tilt position correction

## THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 80 °C (176 °F)

Minimum operating temperature: -5 °C (23 °F)

Total heat dissipation: max. 1.153 BTU/h (calculated)

## NOISE LEVELS

Sound pressure level: 31 dB(A) at 1 m (quiet mode)  
34 dB(A) at 1 m (auto mode)

Sound power level: 39 dB(A) (quiet mode)  
42 dB(A) (auto mode)

**ELECTRICAL SPECIFICATION AND CONNECTIONS**

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz
Power consumption:	Max. 450W
Power connector in/out:	Neutrik powerCON TRUE1 in/out
DMX and RDM data in/out:	Locking 5-pin XLR
Ethernet port in/out:	RJ45, for Embedded Epass™ - switch 10/100 Mbps - on request

**APPROVALS**

CE Compliant

cETLus Compliant

**MECHANICAL SPECIFICATION**

Height:	426 mm (16.8") – head in vertical position
Width:	320 mm (12.6")
Depth:	220 mm (8.7") – head in vertical position
Weight:	9.9 kg (21.8 lbs)
Ingress protection rating:	IP20

**RIGGING**

Mounting positions:	Horizontally or vertically
Universal operating position	
Mounting points:	2 pairs of 1/4-turn locking points
2x Omega adaptors with 1/4-turn quick locks	
Safety cable attachment point	

**INCLUDED ITEMS**

User Manual	
Omega Adaptor CL-regular: 2 pcs	10980033

**OPTIONAL ACCESSORIES**

Wireless DMX external module:	10980127
EggCrate:	10980560
Safety wire 36 kg:	99011963
Single Omega Bracket for one clamp - black:	10980100
Single Omega Bracket for one clamp - white:	10980129
Single Omega Bracket for one clamp - neutral:	10980113
Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor:	13052405
Mains Cable powerCON TRUE1 In/US, 2m, Indoor:	13052406
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor:	13052439
Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor:	13052445
Mains Cable powerCON TRUE1 In/Open ended, 2m, Indoor:	13052407
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor:	13052440
Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor:	13052444
Single Top Loader Case:	10120273
Quad Top Loader Case:	10120274
Foam Shell:	20020397

**LEGAL**

LEDBeam 350™ FW is a Trademark of Robe lighting s. r. o.

LEDBeam 350™ FW is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

**ORDERING INFORMATION****EU Model:**

Cardboard:	10071381
Single Top Loader Case:	10571381
Quad Top Loader Case:	10871381

**EU Model with Wireless:**

Cardboard:	10071382
Single Top Loader Case:	10571382
Quad Top Loader Case:	10871382



It's time to move outside with the iBeam 250™! Whatever the weather, it's always ready to get your party started.

A member of the Robe iSeries, this IP65 rated luminaire gives you those compact WashBeam loved attributes of speed, colour and zoom range while capable of handling all the challenges of being outdoors.

Ideally suited for festivals, concerts, theatre, and outdoor events, or indeed any scenario dealing with inclement or unpredictable weather, the iBeam 250™ retains all the favourite features of its indoor relative, the LEDBeam 150™.

The ingenious ingress protection has been specifically designed and developed to ensure the fixture is completely sealed, to fully comply with IP65 protection standards.

Their aluminium housing gives a dust-free environment for the optics, eliminating the need for frequent cleaning, routine maintenance, and UV damage to plastic parts.

By including NFC (Near-Field Communication) technology, you can access setup, diagnostic and performance features, even when the fixture is not powered, directly from your mobile device using the Robe Com app.

iBeam 250™ uses the same 7 x 40-Watt RGBW multichip LED source as the original, producing an increased output of 4.400 lumens. With the identical 15.5 :1 zoom optical system, giving the same, tight 3.8° Beam to wide 60° Wash, you have all the flexibility you require.



Keeping up with technological advances, we have incorporated Epass™ for maintaining network connectivity. For television users, CPulse™ is included for flicker-free management of HD and UHD camera systems.

Designed to be used indoors or out, we make fixture swap with the original LEDBeam 150™ easy, as the DMX control channels, operating speeds, and feature set of both luminaires are identical.

iBeam 250™ - Robe reliability in all weathers.

## Features

- IP65 rated RGBW WashBeam
- Fast Pan & Tilt movement for sweeping beams
- 3.8° - 60° zoom range
- Variable 2.700K – 8.000K CTO
- L3™ dimming for super smooth fade to black
- Built-in virtual colour wheel for fast colour selection

## Specifications

### SOURCE

Light source type:	7 x 40W RGBW multichips
LED Life Expectancy:	min. 50.000 hours
Typical Lumen Maintenance:	L70/B50 @ 50.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 15,5:1	
Zoom range:	3.8°–60°
Fixture total lumen output:	4.400 lm (integrating sphere) 3.500 lm (goniophotometer)
Innovative lens coating technology (Patent pending)	
Illuminance:	15.000 lx @ 5 m

### DYNAMIC EFFECTS AND FEATURES

Colour mixing mode RGBW or CMY	
White light:	Variable CCT 2.700 – 8.000K
DataSwatch™ filters:	pre-programmed 66 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
Tungsten lamp effect:	750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)
Motorized zoom	
Pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100%
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	
CPulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K	

### CONTROL AND PROGRAMMING

Setting & Addressing:	two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 40 steps)
Protocols:	USITT DMX-512, RDM
Wireless CRMX™ technology from Lumen Radio:	on request
Epass™ -	Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request
DMX Protocol modes:	2
Control channels:	22, 16
Pan & Tilt resolution:	16 bit

RGBW/CMY:	8 or 16 bit
Zoom:	8 or 16 bit
Dimmer:	8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement:	540° standard 450° reduced
Tilt movement:	228°
Movement control:	Standard and Speed
Controllable speed of Pan & Tilt movement	
Automatic Pan & Tilt position correction	

## THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	80 °C (176 °F)
Minimum operating temperature:	-10 °C (14 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz
Power consumption:	Max. 280W
Power connector in/out:	IP 65 Neutrik powerCON TRUE1 in/out
DMX and RDM data in/out:	IP65 Locking 5-pin XLR connectors
Ethernet port in/out:	RJ45 (instead of 3-pin XLR) for Embedded Epass™ - switch 10/100 Mbps - on request

## APPROVALS

CE Compliant
cETLus Compliant

## MECHANICAL SPECIFICATION

Height:	471.5 mm (18.56")
Width:	54.2 mm (13.94")
Depth:	226.6 mm (8.92")
Weight:	13.9 kg (30.64 lbs)
Ingress protection rating:	IP65

## RIGGING

Mounting points:	2 pairs of 1/4-turn locks
2x Omega adaptors with 1/4-turn quick locks	
Universal operating position	
Safety cable attachment point	

## INCLUDED ITEMS

User Manual
Omega Adaptor CL-regular

## OPTIONAL ACCESSORIES

Diffusion filter: 2° FW	10980423
Safety wire 36 kg:	99011963
Mains Cable powerCON TRUE1 In/open ended, 2m EU, Outdoor:	13052276
Mains Cable powerCON TRUE1 In/open ended, 2m US, Outdoor:	13052277
Daisy Chain powerCON TRUE1 In/Out, EU, 0,75m, Outdoor:	13052278
Daisy Chain powerCON TRUE1 In/Out, US, 0,75m, Outdoor:	13052279
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Outdoor:	13052280
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Outdoor:	13052281
Single Top Loader Case:	10120285
Quad Top Loader Case:	10120286
Foam Shell:	20020443

## LEGAL

iBeam 250™ is a Trademark of Robe lighting s. r. o.

iBeam 250™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

Cardboard (black):	10071501
Single Top Loader Case (black):	10571501
Quad Top Loader Case (black):	10871501



The best things come in small packages, now with zoom included. LEDBeam 150 is the answer for with fast sweeping beams and a wide far-reaching quality wash in compact housing.

Attractive colorful chases and smooth transitions are powered by a cluster of high power multichip 40W RGBW LEDs. The spectacular zoom range of 3.8° to 60° uses an eminent custom-designed optical system, now equipped with Robe's innovative lens coating technology which brings benefits such as bright and clear lenses, no scratches or marks, higher light output and longer intervals between cleaning. A highly optimized motorised control produces speedy Pan & Tilt movement. Besides intense strobing capabilities, the LEDBeam 150 also offers gentle 18-bit dimming, including Tungsten lamp effects. Simplified control via pre-programmed colors on a virtual color wheel and various strobing and pulsing effects allows quick and easy programming.

## Features

- 7 x 40W RGBW multichips
- Zoom range: 3.8°–60°
- Illuminance: 12.200 lx @ 5 m
- High resolution dimmer

## Specifications

### SOURCE

Light source:	7 x 40W RGBW multichips
LED Life Expectancy:	min. 50.000 hours
Typical Lumen Maintenance:	L70/B50 @ 50.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Innovative lens coating technology (Patent pending)	
High-efficiency zoom optical system, ratio 15.5:1	
Zoom range:	3.8°–60°
Fixture total lumen output:	3.550 lm (integrating sphere) 2.842 lm (goniophotometer)
Illuminance:	12.200 lx @ 5 m

**DYNAMIC EFFECTS AND FEATURES**

Colour mixing mode RGBW or CMY

Variable CTO: 2.700 – 8.000K

Virtual Colour Wheel: with 66 preset swatches

Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)

Motorized zoom

Pre-programmed random strobe &amp; pulse effects

High resolution electronic dimming: 0–100 %

**CONTROL AND PROGRAMING**

Setting &amp; Addressing: two-row LCD display &amp; 4 control buttons, stand-alone operation with 3 editable programs (each up to 40 steps)

Protocols: USITT DMX-512, RDM

Wireless CRMX™ technology from Lumen Radio: On request

DMX Protocol modes: 2

Control channels: 22, 16

Pan &amp; Tilt resolution: 8 or 16 bit

RGBW or CMY: 8 or 16 bit

Zoom: 8 or 16 bit

Dimmer: 8 or 16 bit (internal 18 bit)

**MOVEMENT**

Pan movement: 450°

Tilt movement: 228°

Movement control: Standard and Speed

Controllable speed of Pan &amp; Tilt movement

Automatic Pan &amp; Tilt position correction

**THERMAL SPECIFICATION**

Maximum ambient temperature: 45 °C (113 °F)

Maximum Housing Temperature: 80 °C (167 °F)

Minimum operating temperature: -5 °C (23 °F)

**NOISE LEVELS**Sound pressure level: 18 dB(A) at 1 m (quiet mode)  
34 dB(A) at 1 m (auto mode)Sound power level: 26 dB(A) (quiet mode)  
42 dB(A) (auto mode)**ELECTRICAL SPECIFICATION AND CONNECTIONS**

Power supply: Electronic auto-ranging

Input voltage range: 100–240 V, 50–60 Hz

Power consumption: max. 220W

Power in/out connector: Neutrik powerCON in/out

DMX and RDM data in/out: Locking 5-pin XLR

**APPROVALS**

CE Compliant

cETLus Compliant

**MECHANICAL SPECIFICATION**

Height: 337 mm (13.27")

Width: 244 mm (9.6")

Depth: 149 mm (5.87")

Weight: 5.7 kg (12.6 lbs)

Ingress protection rating: IP20

**RIGGING**

Mounting points: 1 pair of 1/4-turn locks

1 x Omega adaptor with 1/4-turn quick locks

Universal operating position

Safety cable attachment point

# LEDBeam 150™

## INCLUDED ITEMS

User Manual  
Omega Adaptor CL-regular

## OPTIONAL ACCESSORIES

Diffusion filter: 2° FW	10980423
Clear lens cover:	10980604
Wireless DMX external module:	10980127
EggCrate:	10980346
Safety wire 36 kg:	99011963
Mains Cable powerCON In/Schuko 2m:	13051724
Mains Cable powerCON In/CEE 16A 2m:	13051725
Mains Cable powerCON In/US 2m:	13051726
Mains Cable powerCON In/open ended 2m:	13051731
Daisy Chain powerCON In/Out EU 2m:	13051727
Daisy Chain powerCON In/Out US 2m:	13051728
Single Top Loader Case:	10120214
Quad Top Loader Case:	10120215
Eight Pack Top Loader Case:	10120216
Foam Shell:	20020300

## LEGAL

LEDBeam 150™ is a Trademark of Robe lighting s.r.o.

LEDBeam 150™ is patented by Robe lighting s.r.o. and is protected by  
one or more pending or issued patents

## ORDERING INFORMATION

### EU Model:

Cardboard:	10071101
Single Top Loader Case:	10571101
Quad Top Loader Case:	10871101
Eight-Pack Top Loader Case:	10971101



The spectacular zoom range of 3.8° to 60° uses an eminent custom-designed optical system, now equipped with Robe's innovative lens coating technology which brings benefits such as bright and clear lenses, no scratches or marks, higher light output and longer intervals between cleaning.

The unique LEDBeam 150 FWQ offers Fresnel-Wash type of light output for even smooth edges and better color homogenization.

Attractive colorful chases and smooth transitions are powered by a cluster of high power multichip 40W RGBW LEDs.

A highly optimized motorised control produces speedy Pan & Tilt movement. Besides intense strobing capabilities, LEDBeam 150 FWQ also offers gentle 18-bit dimming, including Tungsten lamp effects.

## Features

- 7 x 40W RGBW multichips
- Zoom range: 3.8°–60°
- Illuminance: 8.190 lx @ 5 m
- High resolution dimmer

## Specifications

### SOURCE

Light source:	7 x 40W RGBW multichips
LED Life Expectancy:	min. 50.000 hours
Typical Lumen Maintenance:	L70/B50 @ 50.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Innovative lens coating technology (Patented pending)	
High-efficiency zoom optical system, ratio 15.5:1	
Zoom range:	3.8°–60°
Diffusion filter imbedded	
Fixture total lumen output:	2.850 lm (integrating sphere)
	2.288 lm (goniophotometer)
Illuminance:	8.190 lx @ 5 m

### DYNAMIC EFFECTS AND FEATURES

Colour mixing mode RGBW or CMY

# LEDBeam 150™ FWQ

Variable CTO: 2.700 – 8.000K

Virtual Colour Wheel: with 66 preset swatches

Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)

Motorized zoom

Pre-programmed random strobe & pulse effects

High resolution electronic dimming: 0–100 %

## CONTROL AND PROGRAMING

Setting & Addressing: two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 40 steps)

Protocols: USITT DMX-512, RDM

Wireless CRMX™ technology from Lumen Radio (on request)

DMX Protocol modes: 2

Control channels: 22, 16

Pan & Tilt resolution: 8 or 16 bit

RGBW or CMY: 8 or 16 bit

Zoom: 8 or 16 bit

Dimmer: 8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan movement: 450°

Tilt movement: 228°

Movement control: Standard and Speed

Controllable speed of Pan & Tilt movement

Automatic Pan & Tilt position correction

## THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum Housing Temperature: 80 °C (167 °F)

Minimum operating temperature: -5 °C (23 °F)

## NOISE LEVELS

Sound pressure level: 18 dB(A) at 1 m (quiet mode)

34 dB(A) at 1 m (auto mode)

Sound power level: 26 dB(A) (quiet mode)

42 dB(A) (auto mode)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100–240 V, 50–60 Hz

Power consumption: max. 220W

Power in/out connector: Neutrik powerCON in/out

DMX and RDM data in/out: Locking 5-pin XLR

## APPROVALS

CE Compliant

cETLus Compliant

## MECHANICAL SPECIFICATION

Height: 337 mm (13.27")

Width: 244 mm (9.6")

Depth: 149 mm (5.87")

Weight: 5.7 kg (12.6 lbs)

Ingress protection rating: IP20

## RIGGING

Mounting points: 1 pair of 1/4-turn locks

1 x Omega adaptor with 1/4-turn quick locks

Universal operating position



Safety cable attachment point

### INCLUDED ITEMS

User Manual

Omega Adaptor CL-regular

### OPTIONAL ACCESSORIES

Clear lens cover:	10980604
Wireless DMX external module:	10980127
Eggcrate:	10980346
Safety wire 36 kg:	99011963
Mains Cable powerCON In/Schuko 2m:	13051724
Mains Cable powerCON In/CEE 16A 2m:	13051725
Mains Cable powerCON In/US 2m:	13051726
Mains Cable powerCON In/open ended 2m:	13051731
Daisy Chain powerCON In/Out EU 2m:	13051727
Daisy Chain powerCON In/Out US 2m:	13051728
Single Top Loader Case:	10120214
Quad Top Loader Case:	10120215
Eight Pack Top Loader Case:	10120216
Foam Shell:	20020300

### LEGAL

LEDBeam 150™ FWQ is a Trademark of Robe lighting s.r.o.

LEDBeam 150™ FWQ is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

### ORDERING INFORMATION

#### EU Model:

Cardboard:	10071104
Single Top Loader Case:	10571104
Quad Top Loader Case:	10871104
Eight-Pack Top Loader Case:	10971104



The enhanced LEDWash 800X brings Robe's patented system for seamless, even and smooth zoom and output of a new generation RGBW multichip LED technology a step further.

30% brighter LED chips and a Robe's patented removable beam shaper module with motorized rotation producing an ovalized beam, which can be precisely positioned on the stage or illuminated object, creates the perfect combination for theatre, TV, car show, exhibition and other professional applications. The fixture has an incredibly wide zoom range starting at 8 degrees and going up to 63 degrees. Many enhanced features include quiet zoom operation, Beam/Wash zoom mode, virtual colour wheel with calibrated whites, RGBW/CMY colour mixing and more. The touch screen navigation display supports many controlling protocols, status data logging, software updates and other features which are standard in the Robe ROBIN series. PowerCON True1 chassis connector has been now added on the back of the fixture's base to guarantee a safe power connection. The powerCON TRUE1 connector can be connected or disconnected under load or live.

## Features

- Innovative Beam shaper
- True whites
- Individual control of LED rings
- High Power 15W RGBW LEDs
- Zoom: 8°– 63°
- Flat & Even light beam

## Specifications

### SOURCE

Light source type:	37 x 15W RGBW LED multichips
LED life expectancy:	min. 60.000 hours
Typical lumen maintenance:	70% @ 60.000 hours

**OPTICAL SYSTEM**

Robe's proprietary optical design

High-efficiency zoom optical system, ratio 8:1

Zoom range: 8°–63°

Removable remote beam shaper with continuous motorized rotation

Beam shaper: asymmetrical beam 8° x 26° @ min. zoom

Fixture total lumen output: 8.990 lm (integrating sphere)

7.218 lm (goniophotometer)

Illuminance: 9.780 lx @ 5 m

**DYNAMIC EFFECTS AND FEATURES**

Colour mixing mode RGBW or CMY

4 individually controllable LED rings

Virtual Colour Wheel: 237 colours including whites (2.700K, 3.200K, 4.200K, 5.600K and 8.000K)

Tungsten lamp effect at whites: 2.700K and 3.200K (red shift and thermal delay)

Colour rainbow effect with variable speed

Pre-programmed random strobe & pulse effects

Electronic strobe effect with variable speed up to 20 Hz

High resolution electronic dimming: 0–100 %

**CONTROL AND PROGRAMMING**

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2

Wireless CRM<sup>TM</sup> technology from Lumen Radio: On request

DMX Protocol modes: 6

Control channels: 38, 22, 16, 11, 38, 37

Pan & Tilt resolution: 16 bit

RGBW: 8 or 16 bit

Zoom: 8 bit

Dimmer: 8 or 16 bit

**MOVEMENT**

Pan movement: 450°

Tilt movement: 300°

Automatic Pan & Tilt position correction

**THERMAL SPECIFICATION**

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 75 °C (167 °F)

Minimum operating temperature: -5 °C (23 °F)

**ELECTRICAL SPECIFICATION AND CONNECTIONS**

Power supply: Electronic auto-ranging

Input voltage range: 100–240 V, 50/60 Hz

Power consumption: max. 430W

Power in connector: Neutrik powerCON TRUE1

DMX and RDM data in/out: Locking 3-pin & 5-pin XLR

Ethernet port in: RJ45

**APPROVALS**

CE Compliant

cETLus Compliant

**MECHANICAL SPECIFICATION**

Height: 444 mm (17.5")

Width: 343 mm (13.5")

Depth: 203 mm (8")

Weight: 10.7 kg (23.4 lbs)

# LEDWash 800X™

Ingress protection rating: IP20

## RIGGING

Mounting positions: Horizontally or vertically

Universal operating position

## INCLUDED ITEMS

User Manual

Omega Adaptor CL-regular 2 pcs

Power cord

## OPTIONAL ACCESSORIES

EggCrate - black: 10980199

Top hat: 10980101

Mounting adapter for one omega holder: 10980100

Doughty Trigger Clamp: 17030386

Safety wire 36 kg: 99011963

Single Top Loader Case: 10120130-01

Dual Top Loader Case: 10120133-01

Quad Top Loader Case: 10120132-01

Foam Shell: 20020197

Beam Shaper 19° x 35°: 10980142

## LEGAL

LEDWash 800X™ is a Trademark of Robe lighting s. r. o.

LEDWash 800X™ is patented by Robe lighting s. r. o. and is protected  
by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model with Wireless:

Cardboard: 10071441

Single Top Loader Case: 10571441

Dual Top Loader Case: 10771441

Quad Top Loader Case: 10871441

### US Model with Wireless:

Cardboard: 10071442

Single Top Loader Case: 10571442



The super-slim LEDWash 600X features a new generation of 30% brighter 37 x 15 Watt RGBW multichip LEDs with colour output ranging from gentle pastels to the richest saturation.

Arranged in 3 concentric rings these LEDs offer unique possibilities for creating stunning colour and pattern audience blinding effects as well as for providing comprehensive and perfectly even wash coverage. This system sets the LEDWash 600X ahead of any other LED wash light products, making it a truly, „multi-purpose“ unit, equipped also with Robe's patented an extremely versatile 8–63 degree motorised zoom, powerful fast strobing and pre-programmed pulse strobe effects.

PowerCON True1 chassis connector has been now added on the back of the fixture's base to guarantee a safe power connection. The powerCON TRUE1 connector can be connected or disconnected under load or live.

## Features

- Perfect colour mixing
- Individual control of LED rings
- True whites
- High Power 15W RGBW LEDs
- Zoom: 8°–63°
- Flat & Even light beam

## Specifications

### SOURCE

Light source type:	37 x 15W RGBW LED multichips
LED life expectancy:	min. 60.000 hours
Typical lumen maintenance:	70% @ 60.000 hours

# LEDWash 600X™

## OPTICAL SYSTEM

Robe's proprietary optical design

High-efficiency zoom optical system, ratio 8:1

Zoom range: 8°–63°

Fixture total lumen output: 8.990 lm (integrating sphere)  
7.218 lm (goniophotometer)

Illuminance: 9.780 lx @ 5 m

## DYNAMIC EFFECTS AND FEATURES

Colour mixing mode RGBW

4 individually controllable LED rings

Virtual Colour Wheel: 237 colours including whites (2.700K, 3.200K, 4.200K, 5.600K and 8.000K)

Tungsten lamp effect at whites: 2.700K and 3.200K (red shift and thermal delay)

Colour rainbow effect with variable speed

Pre-programmed random strobe & pulse effects

Electronic strobe effect with variable speed up to 20 Hz

High resolution electronic dimming: 0–100 %

## CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2

Wireless CRMX™ technology from Lumen Radio: On request

DMX Protocol modes: 6

Control channels: 37, 21, 15, 10, 37, 24

Pan & Tilt resolution: 16 bit

RGBW: 8 or 16 bit

Zoom: 8 bit

Dimmer: 8 or 16 bitt

## MOVEMENT

Pan movement: 450°

Tilt movement: 300°

Automatic Pan & Tilt position correction

## THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 75 °C (167 °F)

Minimum operating temperature: -5 °C (23 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100–240 V, 50/60 Hz

Power consumption: max. 430W

Power in connector: Neutrik powerCON TRUE1

DMX and RDM data in/out: Locking 3-pin & 5-pin XLR

Ethernet port in: RJ45

## APPROVALS

CE Compliant

cETLus Compliant

## MECHANICAL SPECIFICATION

Height: 444 mm (17.5")

Width: 343 mm (13.5")

Depth: 203 mm (8")

Weight: 10.6 kg (23.4 lbs)

Ingress protection rating:	IP20
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### RIGGING

Mounting positions:	Horizontally or vertically
Universal operating position	

### INCLUDED ITEMS

User Manual	
Omega Adaptor CL-regular 2 pcs	
Power cord	

### ACCESSORIES

Transparent Eggcrate:	10980114
Top hat:	10980101
Mounting adapter for one omega holder:	10980100
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Single Top Loader Case:	10120097-01
Dual Top Loader Case:	10120103-01
Quad Top Loader Case:	10120102-01
Six Pack Top Loader Case:	10120104-01
Foam Shell:	20020197

### LEGAL

LEDWash 600X™ is a Trademark of Robe lighting s. r. o.

LEDWash 600X™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

### ORDERING INFORMATION

#### EU Model:

Cardboard:	10071421
Single Top Loader Case:	10571421
Dual Top Loader Case:	10771421
Quad Top Loader Case:	10871421
Six-pack Top Loader Case:	10971421

#### EU Model with Wireless:

Cardboard:	10071422
Single Top Loader Case:	10571422
Dual Top Loader Case:	10771422
Quad Top Loader Case:	10871422
Six-pack Top Loader Case:	10971422

#### US Model:

Cardboard:	10071423
Single Top Loader Case:	10571423



Utilizing a new generation of 30% brighter 19 x 15W RGBW multichip LEDs and Robe's patented motorized linear zoom 8°–63°, the LEDWash 300X offers great flexibility with superior homogenization of the light source.

Specialized component optics composed of highly efficient elements ensures completely smooth colour mixing and it emphasizes a dynamic array of true colours and hues. This lightweight compact fixture is ideal for all small-to-medium applications, particularly those where space and accessibility is an issue. PowerCON True1 chassis connector has been now added on the back of the fixture's base to guarantee a safe power connection. The powerCON TRUE1 connector can be connected or disconnected under load or live.

## Features

- Perfect colour mixing
- Individual control of LED rings
- True whites
- High Power 15W RGBW LEDs
- Zoom: 8°–63°
- Flat & Even light beam

## Specifications

### SOURCE

Light source type:	19 x 15W RGBW LED multichips
LED life expectancy:	min. 60.000 hours
Typical lumen maintenance:	70% @ 60.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 8:1	
Zoom range:	8°–63°
Fixture total lumen output:	5.580 lm (integrating sphere) 4.479 lm (goniophotometer)
Illuminance:	4.895 lx @ 5 m

### DYNAMIC EFFECTS AND FEATURES

Colour mixing mode RGBW



3 individually controllable LED rings

Virtual Colour Wheel: 237 colours including whites (2.700K, 3.200K, 4.200K, 5.600K and 8.000K)

Tungsten lamp effect at whites: 2.700K and 3.200K (red shift and thermal delay)

Colour rainbow effect with variable speed

Pre-programmed random strobe & pulse effects

Electronic strobe effect with variable speed up to 20 Hz

High resolution electronic dimming: 0–100 %

### CONTROL AND PROGRAMMING

Setting & Addressing: ROBE Navigation System 2 (RNS2)

Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding

Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2

Wireless CRMX™ technology from Lumen Radio: On request

DMX Protocol modes: 5

Control channels: 37, 21, 15, 10, 37

Pan & Tilt resolution: 16 bit

RGBW: 8 or 16 bit

Zoom: 8 bit

Dimmer: 8 or 16 bit

### MOVEMENT

Pan movement: 450°

Tilt movement: 300°

Automatic Pan & Tilt position correction

### THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 75 °C (167 °F)

Minimum operating temperature: -5 °C (23 °F)

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100–240 V, 50/60 Hz

Power consumption: max. 200W

Power in connector: Neutrik powerCON TRUE1

DMX and RDM data in/out: Locking 3-pin & 5-pin XLR

Ethernet port in: RJ45

### APPROVALS

CE Compliant

cETLus Compliant

### MECHANICAL SPECIFICATION

Height: 390 mm (15")

Width: 295 mm (12")

Depth: 203 mm (8")

Weight: 8.2 kg (18.1 lbs)

Ingress protection rating: IP20

### RIGGING

Mounting positions: Horizontally or vertically

Universal operating position

### INCLUDED ITEMS

User Manual

Omega Adaptor CL-regular 2 pcs

Power cord

### ACCESSORIES

Transparent Eggcrate: 10980115

# LEDWash 300X™

Top hat:	10980102
Mounting adapter for one omega holder:	10980100
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Single Top Loader Case:	10120114
Dual Top Loader Case:	10120109
Quad Top Loader Case:	10120108
Six Pack Top Loader Case:	10120110

## LEGAL

LEDWash 300X™ is a Trademark of Robe lighting s. r. o.

LEDWash 300X™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model:

Cardboard:	10071401
Single Top Loader Case:	10571401
Dual Top Loader Case:	10771401
Quad Top Loader Case:	10871401
Six-pack Top Loader Case:	10971401

### EU Model with Wireless:

Cardboard:	10071402
Single Top Loader Case:	10571402
Dual Top Loader Case:	10771402
Quad Top Loader Case:	10871402
Six-pack Top Loader Case:	10971402

### US Model:

Cardboard:	10071403
Single Top Loader Case:	10571403



Speed, great colors and beautiful gobos have always been our top priorities. With the SilverScan we celebrate 25 years of ROBE lighting fixtures and their continuing evolution. With super-fast mirror movement, the bright and colorful SilverScan utilizes all the massive improvements technology has made and brings it back to its roots - a small form factor, good-looking performant LED-based scan.

The 350W white LED light engine, with a total lumen output up to 9.020 lm, gives an extra punchy beam with even flat field and an incredible 20.000 hours of operation.

Smooth color transition and fixed, vivid and radiant colours can be applied from the CMY mixing system and colour wheel, with 7 rotating or 9 static gobos added for projections or mid-air effects. The smooth zoom can go out to 27° at its widest while the minimum 9° zoom produces a piercing beam that can be trimmed with an ultra-fast stepless iris for punchy output.

## Features

- Super-fast mirror movement
- Rotating and static gobos
- Low power consumption
- White LED engine
- Zoom: 9°–27°
- CMY color mixing system

## Specifications

### SOURCE

Light source:	350 W White LED engine
LED Life Expectancy:	Minimum 20.000 hours
Typical Lumen Maintenance:	70% @ 20.000 hours
Colour temperature:	6.500K
Light source warranty:	3 years or 20.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
High-efficiency zoom optical system, ratio 3:1	
Zoom range:	9°–27°
Fixture total lumen output:	11.230 lm (integrating sphere) 9.020 lm (goniophotometer)

### DYNAMIC EFFECTS AND FEATURES

Cyan:	0–100 %
Magenta:	0–100 %
Yellow:	0–100 %

Colour Wheel:	6 fixed dichroic colours + white
Virtual Colour Wheel:	with 66 preset swatches
Rotating gobo wheel:	7 rotating, indexable, replaceable slot & lock glass gobos + open
Static gobo wheel:	9 aluminium gobos + open
Prism:	3-facet circular rotating prism
Iris:	Motorized, stepless, pulse effects up to 3 Hz
Frost:	Variable, replaceable 5° frost filter; optional 1° and 10°
Motorized zoom and focus	
High speed Pan & Tilt mirror movement	
Shutter:	Electronic with variable speed strobe (max.20 flashes per second)
Pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100 %

## CONTROL AND PROGRAMMING

Setting & Addressing:	ROBE Navigation System 2 (RNS2)
Display:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
Protocols:	USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	2
Control channels:	32, 26
Pan & Tilt resolution:	16 bit
CMY:	8 bit
Colour wheel positioning:	8 bit
Rotating gobo wheel positioning:	8 bit
Gobo indexing & rotation:	8 or 16 bit
Static gobo wheel positioning:	8 or 16 bit
Iris:	8 or 16 bit
Frost:	8 bit
Zoom:	8 or 16 bit
Focus:	8 or 16 bit
Dimmer:	8 or 16 bit (internal 18 bit)

## MOVEMENT

Pan mirror movement:	165°
Tilt mirror movement:	35°
Movement control:	Standard and Speed
Automatic mirror position correction (Patent pending)	

## ROTATING GOBOS

7 x rotating glass gobos	
Outside diameter:	26.8 mm
Image diameter:	20.0 mm
Thickness:	1.1 mm
Max. thickness:	3.5 mm
High temperature borofloat or better glass	
Slot & lock system for easy replacement of gobos	

## STATIC GOBOS

Aluminium wheel with 9 fixed gobos + open position	
Image diameter:	18.5 mm
Thickness:	0.5 mm

## THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum housing temperature:	75 °C (167 °F)

Minimum operating temperature: -5 °C (23 °F)

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100–240 V, 50–60 Hz
Power consumption:	max. 400W
Power in connector:	Neutric powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in:	RJ45

### APPROVALS

CE Compliant  
cETLus Compliant

### MECHANICAL SPECIFICATION

Width:	381 mm (15")
Height:	736 mm (30")
Depth:	402 mm (15.8")
Weight:	16.5 kg (36.4 lbs)
Ingress protection rating:	IP20

### RIGGING

Mounting positions:	Horizontally or vertically
Universal operating position	
Mounting points:	via Mounting Bracket

### INCLUDED ITEMS

User Manual  
Power cord including powerCON TRUE1 In connector

### ACCESSORIES

Safety wire 36 kg:	99011963
Frost 1° (exchange) assembled:	10980308
Frost 10° (exchange) assembled:	10980309
Ceiling mounting kit:	10980448
Doughty Trigger Clamp:	17030386
Short Bracket:	10980453
Single Top Loader Case:	10120252
Foam Shell:	20020359

### LEGAL

SilverScan™ is a trademark of Robe lighting s.r.o.

SilverScan™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

### ORDERING INFORMATION

#### EU Model:

Cardboard:	10035001
Single Top Loader Case:	10535001

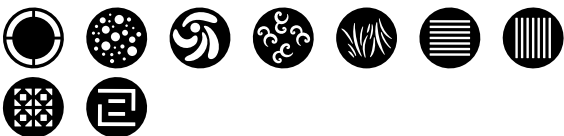
#### US model:

Cardboard	10035002
Single Top Loader Case	10535002

Rotating Gobo Wheel



Static Gobo Wheel



# Scoreboard



**BMFL™  
FollowSpot**

**BMFL™  
FollowSpot LT**

<b>Light Source Type</b>	Osram Lok-it! HTI 1700/PS	Osram Lok-it! HTI 1700/PS
<b>Colour temperature</b>	6.000K	6.000K
<b>Colour Mixing</b>	CMY + CTO	CMY + CTO
<b>Colour Wheel</b>	2 x 6 + white	2 x 6 + white
<b>Zoom range</b>	Variable 5°–45°	Variable 1°–8°
<b>Gobo Wheel 1</b>	—	—
<b>Gobo Wheel 2</b>	—	—
<b>Additional Optical features</b>	—	—
<b>Hot-Spot control</b>	—	—
<b>Iris</b>	✓	✓
<b>Prism - Rotating</b>	—	—
<b>Variable Frost</b>	✓	✓
<b>Shutter / variable speed Strobe</b>	✓	✓
<b>CRMX Wireless version available</b>	✓	✓
<b>User Display Interface</b>	Touch Screen	Touch Screen
<b>Power Consumption</b>	max. 2.000W	max. 2.000W
<b>Weight</b>	35 kg	35 kg



**BMFL™  
Spot**



**BMFL™  
Blade**



**BMFL™ Wash/  
Wash XF**



**BMFL™  
WashBeam**

Osram Lok-it! HTI 1700/PS	Osram Lok-it! HTI 1700/PS	Osram Lok-it! HTI 1700/PS	Osram Lok-it! HTI 1700/PS
6.000K	6.000K	6.000K	6.000K
CMY+CTO	CMY+CTO	CMY+CTO	CMY+CTO
2 x 6 + open	2 x 6 + open	2 x 6 + open	2 x 6 + open
Variable 5°–55°	Variable 5°–55°	Variable 4,5°–55°	Variable 5°–45°
6 Rotating + open	6 Rotating + open	—	6 Rotating + open
6 Rotating + open	8 Static + open	—	—
Dual Graphics Wheel	Animation wheel Framing shutters	— XF modul	Framing Shutters Animation wheel
—	—	—	—
✓	✓	—	✓
6-facet circular 6-facet linear	6-facet circular 6-facet linear	—	—
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
Touch Screen	Touch Screen	Touch Screen	Touch Screen
max. 2.000W	max. 2.000W	max. 2.000W	max. 2.000W
36 kg	37.9 kg	35 kg	38.4 kg

# Scoreboard



Viva™ CMY



TetraX™

Light Source Type	350W White LED engine	9 x 40W RGBW LED multichips
Colour temperature	6.500K	Variable
Colour Mixing	CMY	RGBW/CMY
Colour Wheel	6 + white	—
Zoom range	Variable 9°–40°	4°–45°
Gobo Wheel 1	7 Rotating + open	—
Gobo Wheel 2	9 Static + open	—
Additional Optical features	replaceable frost	3x Multi-Coloured Flower Effect
Hot-Spot control	—	—
Iris	✓	—
Prism - Rotating	3-facet circular	—
Variable Frost	✓	—
Shutter / variable speed Strobe	✓	✓
CRMX Wireless version available	✓	✓
User Display Interface	Touch Screen	Touch Screen
Power Consumption	max. 400W	max. 320W
Weight	19 kg	15.7 kg





**Tetra2™**



**Tetra1™**



**Tarrantula™**



**iSpider®**

18 x 40W RGBW LED multichips	9 x 40W RGBW LED multichips	1 x 60W and 36 x 40W RGBW LED multichips	1 x 60W and 18 x 40W RGBW LED multichips
Variable	Variable	Variable	Variable
RGBW/CMY	RGBW/CMY	RGBW/CMY	RGBW/CMY
—	—	—	—
4°–45°	4°–45°	Variable 4°–50°	Variable 4°–50°
—	—	—	—
—	—	—	—
2x Multi-Coloured Flower Effect	Multi-Coloured Flower Effect	Multi-Coloured Flower Effect	Multi-Coloured Flower Effect
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
✓	✓	✓	✓
✓	✓	✓	✓
Touch Screen	Touch Screen	Touch Screen	Touch Screen
max. 600W	max. 400W	max. 1.000W	max. 660W
16.5 kg	10.9 kg	21.2 kg	24.9 kg

# Scoreboard



**Spiider®**



**Spikie+®**

<b>Light Source Type</b>	1 x 60W and 18 x 40W RGBW LED multichips	60W RGBW LED engine
<b>Colour temperature</b>	Variable	Variable
<b>Colour Mixing</b>	RGBW/CMY	RGBW / CMY
<b>Colour Wheel</b>	—	virtual with 66 preset swatches + Rainbow colours
<b>Zoom range</b>	Variable 4°–50°	Variable 4°–28°
<b>Gobo Wheel 1</b>	—	—
<b>Gobo Wheel 2</b>	—	—
<b>Additional Optical features</b>	Multi-Coloured Flower Effect	Multi-Coloured Flower Effect
<b>Hot-Spot control</b>	—	—
<b>Iris</b>	—	—
<b>Prism - Rotating</b>	—	3-facet circular
<b>Variable Frost</b>	—	✓
<b>Shutter / variable speed Strobe</b>	✓	✓
<b>CRMX Wireless version available</b>	✓	✓
<b>User Display Interface</b>	Touch Screen	Touch Screen
<b>Power Consumption</b>	max. 600W	max. 100W
<b>Weight</b>	13.3 kg	7.3 kg



**iPointe65®**



**MegaPointe®**



**Pointe®**



**miniPointe®**

Osram Sirius HRI 310W RO	Osram Sirius HRI 470W RO	Osram Sirius HRI 280W RO	Osram Sirius HRI 140W RO
CCT Light Output: 7.200K CCT Lamp: 8.500K	CCT Light Output: 6.300K CCT Lamp: 4.500K	7.800K	9.200K
CMY	CMY	—	—
13 dichroic filters + white	13 dichroic filters + white	13 dichroic filters + white	13 dichroic filters + white
1.8°–21° beam mode 3°–42° spot mode	1.8°–21° beam mode 3°–42° spot mode	2.5°–10° beam mode 5°–20° spot mode	3°
9 + open	9 + open	9 Rotating + open	10 static + 3 beam reducers
14 + open	14 + open	10 static + 4 beam reducers	—
Effect Engine, Animation wheel, Beam shaper	Effect Engine, Animation wheel, Beam shaper	Beam + Spot	Dynamic flower effect (DFE)
✓	✓	—	—
—	—	—	—
6-rotating on two wheels	6-rotating on two wheels	8-facet circular 6-facet linear	prism 14.6° prism 16°
Variable 1° (light) 5° (medium)	Variable 1° (light) 5° (medium)	✓	✓
✓	✓	✓	✓
✓	✓	✓	—
Touch Screen	Touch Screen	Touch Screen	4 key LCD
max. 550W	max. 670W	max. 470W	max. 260W
42.8 kg	22 kg	15 kg	11.8 kg

# Scoreboard



**ProMotion™**

**FORTE™**

<b>Light SourceType</b>	RGB LED device	TE™ 1.000W HP / HCF White LED Engine
<b>Colour temperature</b>	Variable	6.700K / 6.000K
<b>Colour Mixing</b>	RGB/CMY	CMY + CTO
<b>Colour Wheel</b>	Electronic 234 colours	2 x 5 + white
<b>Zoom range</b>	17° (26° Optional wide lens)	5° - 55°
<b>Gobo Wheel 1</b>	149 pictures, 101 animations	6 Rotating + open
<b>Gobo Wheel 2</b>	user´s gobos, images and videos	6 Rotating + open
<b>Additional Optical features</b>	Col. & Effect wheel, Horizontal & Vertical Keystone, ADM™	Animation Wheel + Framing Shutters
<b>Hot-Spot control</b>	—	6:1 hot-spot (optional)
<b>Iris</b>	Digital + Grey Box Correction	✓
<b>Prism - Rotating</b>	—	independent 6-facet linear & circular
<b>Variable Frost</b>	—	Variable 1° (light) 5° (medium)
<b>Shutter / variable speed Strobe</b>	✓	✓
<b>CRMX Wireless version available</b>	✓	✓
<b>User Display Interface</b>	Touch screen	Touch Screen
<b>Power Consumption</b>	140W	max. 1.250W
<b>Weight</b>	12 kg	39.8 kg



**FORTE™ FS**



**ESPRITE™**



**ESPRITE™ FS**



**ESPRITE™  
Fresnel**

TE™ 1.000W HP / HCF White LED Engine	TE™ 650W HP / HCF White LED Engine	TE™ 650W HP / HCF White LED Engine	TE™ 650W HP / HCF White LED Engine
6.700K / 6.000K	6.700K / 6.000K	6.700K / 6.000K	6.700K / 6.000K
CMY + CTO	CMY + CTO	CMY + CTO	CMY + CTO
2 x 5 + white	2 x 5 + white	2 x 5 + white	2 x 5 + white
5° - 55°	5.5° - 50°	5.5° - 50°	8° - 60°
6 Rotating + open	9 Static + open	9 Static + open	—
6 Rotating + open	7 Rotating + open	7 Rotating + open	—
Animation Wheel + Framing Shutters	Animation Wheel + Framing Shutters	Animation Wheel + Framing Shutters	Scrim Module + Motorised Barndoors
6:1 hot-spot (optional)	6:1 hot-spot (optional)	6:1 hot-spot (optional)	—
✓	✓	✓	—
independent 6-facet linear & circular	6-facet circular	6-facet circular	—
Variable 1° (light) 5° (medium)	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
Touch Screen	Touch Screen	Touch Screen	Touch Screen
max. 1.250W	Standard mode 870W High-power mode 950W	Standard mode 870W High-power mode 950W	Standard mode 870W High-power mode 950W
41.2 kg	27.8 kg	29.4 kg	26 kg

# Scoreboard



**ESPRITE™ PC**



**PAINTE™**

Light SourceType	TE™ 650W HP / HCF White LED Engine	TE™ 310W HP / HCF White LED Engine
Colour temperature	6.700K / 6.000K	6.700K / 6.000K
Colour Mixing	CMY + CTO	CMY + CTO
Colour Wheel	2 x 5 + white	9 + white
Zoom range	5.5° - 50°	8° - 48°
Gobo Wheel 1	—	8 rotating + open
Gobo Wheel 2	—	9 gobos + open
Additional Optical features	Scrim Module + Motorised Barndoors	—
Hot-Spot control	—	—
Iris	—	—
Prism - Rotating	—	8-facet circular
Variable Frost	✓	5°
Shutter / variable speed Strobe	✓	✓
CRMX Wireless version available	✓	✓
User Display Interface	Touch Screen	Touch Screen
Power Consumption	Standard mode 870W High-power mode 950W	max. 440W
Weight	26 kg	19.6 kg



**CUETE™**



**SPOTE™**



**T2 Profile™**



**T2 Profile FS™**

TE™ 120W White LED engine	TE™ 70W White LED engine	MSL™ 850 W Multi-Spectral LED engine	MSL™ 850 W Multi-Spectral LED engine
6.700K	6.700K	Variable	Variable
CMY	—	CMY/RGB or RGBAL	CMY/RGB or RGBAL
13 + white	13 + white	Virtual	Virtual
16° (22° Optional wide lens)	16° (24° Optional wide lens)	5° - 55°	5° - 55°
6 gobos + 4 beam reducers + open	—	8 Static + open	8 Static + open
9 Rotating + open	9 Rotating + open	6 Rotating + open	6 Rotating + open
—	—	Animation wheel, Framing shutters	Animation wheel, Framing shutters
—	—	—	—
—	—	✓	✓
8-facet circular	8-facet circular	independent 6-facet linear & circular	independent 6-facet linear & circular
5°	5°	Variable 1° (light) 5° (medium)	Variable 1° (light) 5° (medium)
✓	✓	✓	✓
✓	✓	✓	✓
4 key LCD	4 key LCD	Touch Screen	Touch Screen
max. 220W	max. 130W	max.1.150W	max.1.150W
12.2 kg	11 kg	36.9 kg	37.5 kg

# Scoreboard



**T2 Fresnel™**

**T2 PC™**

Light SourceType	MSL™ 850 W Multi-Spectral LED engine	MSL™ 850 W Multi-Spectral LED engine
Colour temperature	Variable	Variable
Colour Mixing	CMY/RGB or RGBAL	CMY/RGB or RGBAL
Colour Wheel	Virtual	Virtual
Zoom range	7° - 62°	6° - 62°
Gobo Wheel 1	—	—
Gobo Wheel 2	—	—
Additional Optical features	Edge correction, Scrim, Internal barndoors	Edge correction, Scrim, Internal barndoors
Hot-Spot control	—	—
Iris	—	—
Prism - Rotating	—	—
Variable Frost	Variable 5° (light) 10° (medium)	Variable 5° (light) 10° (medium)
Shutter / variable speed Strobe	✓	✓
CRMX Wireless version available	✓	✓
User Display Interface	Touch Screen	Touch Screen
Power Consumption	max.1.150W	max.1.150W
Weight	33.5 kg	33.0 kg





**T11 Profile™**

**T11 Fresnel™**

**T11 PC™**

**T1 Profile™**

MSL™ 350 W Multi-Spectral LED engine	MSL™ 350 W Multi-Spectral LED engine	MSL™ 350 W Multi-Spectral LED engine	MSL™ 550 W Multi-Spectral LED engine
Variable	Variable	Variable	Variable
CMY/RGB or RGBAL	CMY/RGB or RGBAL	CMY/RGB or RGBAL	CMY/RGB or RGBAL
—	—	—	Virtual
5° - 50°	5° - 60°	5° - 60°	Variable 7°–49°
1 Static (3x with optional drop-in gobo module)	1 Static (3x with optional drop-in gobo module)	1 Static (3x with optional drop-in gobo module)	7 Rotating + open
2 x Rotating (with optional drop-in gobo module)	2 x Rotating (with optional drop-in gobo module)	2 x Rotating (with optional drop-in gobo module)	—
—	—	—	Animation wheel + Framing Shutters
—	—	—	—
✓	✓	✓	✓
—	—	—	8-facet circular
—	—	—	Variable 0.5° (light) 10° (medium)
✓	✓	✓	✓
✓	✓	✓	✓
Touch Screen	Touch Screen	Touch Screen	Touch Screen
max.420W	max.420W	max.420W	max. 750W
15.7 kg	14.3 kg	14.3 kg	24.3 kg

# Scoreboard



**T1 Profile FS™**

**T1 Fresnel™**

Light Source Type	MSL™ 550 W Multi-Spectral LED engine	MSL™ 550 W Multi-Spectral LED engine
Colour temperature	Variable	Variable
Colour Mixing	CMY/RGB or RGBAL	CMY/RGB or RGBAL
Colour Wheel	Virtual	Virtual
Zoom range	Variable 7°–49°	Variable 8°–60°
Gobo Wheel 1	7 Rotating + open	—
Gobo Wheel 2	—	—
Additional Optical features	Animation wheel + Framing Shutters	Edge colour correction, Scrim, Internal barndoors
Hot-Spot control	—	—
Iris	✓	—
Prism - Rotating	8-facet circular	—
Variable Frost	Variable 0.5° (light) 10° (medium)	Variable 5° (light) 10° (medium)
Shutter / variable speed Strobe	✓	✓
CRMX Wireless version available	✓	✓
User Display Interface	Touch Screen	Touch Screen
Power Consumption	max. 750W	max. 750W
Weight	25.5 kg	22.6 kg



**T1 PC™**



**LEDBeam 350™**



**LEDBeam 350™FW**



**iBeam 250™**

MSL™ 550 W Multi-Spectral LED engine	12 x 40W RGBW multichips	12 x 40W RGBW multichips	7 x 40W RGBW multichips
Variable	Variable	Variable	Variable
CMY/RGB or RGBAL	RGBW/CMY	RGBW/CMY	RGBW/CMY
Virtual	—	—	—
Variable 7°–50°	Variable 3.8° – 60°	Variable 3.8° – 60°	Variable 3.8° – 60°
—	—	—	—
—	—	—	—
Edge colour correction, Scrim, Internal barndoors	—	2° Diffusion filter imbedded	—
—	—	—	—
—	—	—	—
—	—	—	—
Variable 0.5° (light) 10° (medium)	—	—	—
✓	✓	✓	✓
✓	✓	✓	✓
Touch Screen	4 key LCD	4 key LCD	4 key LCD
max. 750W	max. 440W	max. 440W	max. 280W
24.3 kg	9.85 kg	9.9 kg	13.9 kg

# Scoreboard



**LEDBeam  
150™**



**LEDBeam  
150™ FWQ**

<b>Light Source Type</b>	7 x 40W RGBW multichips	7 x 40W RGBW multichips
<b>Colour temperature</b>	Variable	Variable
<b>Colour Mixing</b>	RGBW/CMY	RGBW/CMY
<b>Colour Wheel</b>	—	—
<b>Zoom range</b>	Variable 3.8° – 60°	Variable 3.8° – 60°
<b>Gobo Wheel 1</b>	—	—
<b>Gobo Wheel 2</b>	—	—
<b>Additional Optical features</b>	—	2° Diffusion filter imbedded
<b>Hot-Spot control</b>	—	—
<b>Iris</b>	—	—
<b>Prism - Rotating</b>	—	—
<b>Variable Frost</b>	—	—
<b>Shutter / variable speed Strobe</b>	✓	✓
<b>CRMX Wireless version available</b>	✓	✓
<b>User Display Interface</b>	4 key LCD	4 key LCD
<b>Power Consumption</b>	max. 220W	max. 220W
<b>Weight</b>	5.7 kg	5.7 kg



**LEDWash  
800X™**



**LEDWash  
600X™**



**LEDWash  
300X™**



**SilverScan™**

37 x 15W RGBW multichips	37 x 15W RGBW multichips	19 x 15W RGBW multichips	350W White LED engine
Variable	Variable	Variable	6.500K
RGBW	RGBW	RGBW	Virtual with 66 preset swatches
237 colours including whites	237 colours including whites	237 colours including whites	6 + open
Variable 8°–63°	Variable 8°–63°	Variable 8°–63°	Variable 9° – 27°
—	—	—	7 Rotating + open
—	—	—	9 Static + open
—	—	—	replaceable frost
—	—	—	—
—	—	—	✓
—	—	—	3-facet circular
—	—	—	✓
✓	✓	✓	✓
✓	✓	✓	✓
Touch Screen	Touch Screen	Touch Screen	Touch Screen
max. 430W	max. 430W	max. 200W	max. 400W
10.7 kg	10.6 kg	8.2 kg	16.5 kg



# LED-BASED STATIC LIGHTS

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Always ready to perform, our IP65 rated iBar 15™ is ideally suited for festivals, concerts and outdoor events, or any scenario needing to deal with inclement or unpredictable weather.

With its 15, equally spaced, super-bright RGBW multichip LEDs for enhanced colour mixing and Robe's exceptionally smooth L3™ dimming software, you have the perfect 1 metre LED bar for indoor or out in washing, grazing or cyc light applications.

Flexibility is provided for the fixed 7.5° beam angle via optional diffusers, allowing different beam angles, including two asymmetrical variants, for use as a high-quality cyc light. Optional barndoors can further trim the beam if required.

With advanced pixel control, a virtual colour wheel with pre-programmed colours, and a set of true whites with CTO Tungsten lamp emulation, you have all the tools available for exceptional creative control. The practical and highly readable small display provides a menu with personality settings, including DMX and RDM protocols.

iSeries – Robe reliability in all weathers.

## Features

- High Power 15W RGBW LEDs
- Individual pixel control
- L3™ super smooth 18-bit dimming technology
- Predefined Tungsten whites
- Even output without Fringing
- Optional diffusers
- IP65 Ingress Protection

## Specifications

### SOURCE

Light source type:	15 x 15W RGBW LED multichips
LED life expectancy:	min. 60 000 hours
Typical lumen maintenance:	L70/B50 @ 50.000 hours
LED colour variants:	RGBW

### OPTICAL SYSTEM

Beam angle:	7.5° (without diffuser), diffuser 35°x70° included as standard
Optional diffusers:	32°, 50°, 10°x30°, 30°x10°, 70°x35°
Fixture total lumen output:	5041 lm
Illuminance:	5920 lx @ 5m



**DYNAMIC EFFECTS**

Variable CTO:	0–100 %
Virtual Colour Wheel:	With 237 colours including whites (2.700K, 3.200K, 4.200K, 5.600K and 8.000K)
Tungsten lamp effect at whites:	2.700K and 3.200K (red shift and thermal delay during dimming)
Colour rainbow effect with variable speed	
Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and direction	
Strobe effect:	variable speed (max. 20 flashes per second)
Pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100 %
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	

**CONTROL AND PROGRAMING**

Setting & Addressing:	4-segment LED display & 4 control buttons, stand-alone operation with 1 editable program up to 35 steps)
Protocols:	USITT DMX-512, RDM
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	4 including SunStrip emulation mode (Halogen Strip)
Control channels:	16, 11, 61, 76
Colour mixing:	RGBW or CMY
Manual control of all effects via control panel	

**THERMAL SPECIFICATION**

Maximum ambient temperature:	40 °C (104 °F)
Maximum surface temperature:	80 °C (176 °F)

**ELECTRICAL SPECIFICATION AND CONNECTIONS**

Power supply:	Electronic auto-ranging
Input voltage range:	100–240 V, 50/60 Hz
Power consumption:	max. 170W
DMX and RDM data in/out:	DMX outdoor cables CA-0611 (300mm) + NC5MX-HD/NC5FX-HD (5-pin connectors)
Power in/out connector:	Neutrik powerCON TRUE1 in/out

**APPROVALS**

CE Compliant
cETLus Compliant

**MECHANICAL SPECIFICATION**

Height:	182 mm (7.2")
Width:	997 mm (39.3")
Depth:	180 mm (7.1")
Weight:	11.1 kg (24.5 lbs)
LED module "tilt" adjustment range:	-100/+45°
Ingress protection rating:	IP65

**RIGGING**

2x Omega adaptors with 1/4-turn quick locks
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**INCLUDED ITEMS**

User Manual	
Omega Adaptor CL-regular 2 pcs:	10980033
Diffusion filter: 35° x 70°	10980247
Cap for XLR connector:	19020175

**ACCESSORIES**

Diffusion filter:	
35° x 70°	10980247
10° x 30°	10980248
70° x 35°	10980249
30° x 10°	10980250

50°	10980251
32°	10980252
Cyc Light kit	10980422
Gel Frame set:	10980269
Barndoor:	10980421
Slim Mounting Brackets for iBar15, 2pcs:	10980625
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor:	13052405
Mains Cable powerCON TRUE1 In/US, 2m, Indoor:	13052406
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor:	13052439
Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor:	13052445
Mains Cable powerCON TRUE1 In/Open ended, 2m, Indoor:	13052407
Mains Cable powerCON TRUE1 In/open ended, 2m EU, outdoor:	13052276
Mains Cable powerCON TRUE1 In/open ended, 2m US, outdoor:	13052277
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Outdoor:	13052280
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Outdoor:	13052281
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor:	13052440
Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor:	13052444
Daisy Chain powerCON TRUE1 In/Out, EU, 0,75m, Outdoor:	13052278
Daisy Chain powerCON TRUE1 In/Out, US, 0,75m, Outdoor:	13052279
Single Top Loader Case:	10120184
Quad Top Loader Case:	10120185

## LEGAL

iBar 15™ is a Trademark of Robe lighting s. r. o.

iBar 15™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU model

Cardboard:	10071471
Single Top Loader Case:	10571471
Quad Top Loader Case:	10871471

### EU Model with Wireless

Cardboard:	10071472
Single Top Loader Case:	10571472
Quad Top Loader Case:	10871472



## Product on Request

Power is everything, now in color! Add colour into your blinding strobing sequences with the ColorStrobe to achieve dyed effects, white flashing with colorful backgrounds or continuous bright light output with colored animations.

Ultimately controllable, configurable and arrayable. Super fast bursts of high powered pulses can be adjusted in frequency, duration and intensity, optically harnessed from the 120x High Power RGBW chips. Easy to rig individually or in multiples and easy to program, using direct segment control or the pre-defined macros. Fitted with the standard Robe RNS touch screen system with DMX, RDM, Art-Net, MA Net and SACN protocols. Optional wireless DMX module.

## Features

- Strobe, Wash, Audience Blinder, FX – All in one fixture
- Bright powerful RGBW LEDs
- Highly adjustable super fast strobing
- Individually controllable LED zones
- Extra smooth high res. dimming
- Multipoint segment locking system
- Continuous full power operation

## Specifications

### SOURCE

Light Source Type:	120 x 15W RGBW multichips
LED Life Expectancy:	Minimum 40.000 hours
Typical Lumen Maintenance:	70% @ 40.000 hours

### OPTICAL SYSTEM AND EFFECTS

High efficient component optics

Beam Angle:	35° (at 1/2 beam), 63° (at 1/10 beam)
Individual control:	of 12 segments (3 lines and 4 column)
Strobe duration:	13–860 ms
Strobe rate:	0.3–30 Hz
Colour Mixing System:	RGBW or CMY colour mixing, CTO
Virtual Colour Wheel:	with 237 colours including whites (2.700K, 3.200K, 4.200K, 5.600K and 8.000K)

Tungsten Lamp Effects at Whites:	2.700K and 3.200K
Colour changer effect:	Continuous full power RGBW operation with high resolution dimmer
High Resolution Dimmer (Internal 18 bit):	8 or 16 bit
Strobe effects:	Ramp up, ramp down, ramp up-down, random flash, single flash, microphone driven strobe effect

## CONTROL AND PROGRAMING

Setting & Addressing:	Robe Navigation System 2 (RNS2)
Protocols:	USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
Wireless CRMX™ technology from Lumen Radio:	On request
Control Channels:	9, 14, 18, 28, 84
DMX Protocol modes:	5
Programs:	3 editable programs up to 88 steps
Stand-alone operation:	Yes
Display:	QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC
Ethernet Port:	Art-Net protocol, ready for ACN
Data in/out:	Locking 3-pin & 5-pin XLR
Built-in analyser for easy fault finding	

## THERMAL SPECIFICATION

Maximum Ambient Temperature:	45 °C (113 °F)
Maximum Housing Temperature:	90 °C (194 °F)

## MOVEMENT

Tilt adjustment:	Manual
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## ELECTRICAL SPECIFICATION

Electronic auto-ranging	
Input Voltage Range:	100-240 V, 50/60 Hz
Power Consumption:	max. 1.300W
Power Connector:	Neutrik PowerCon

## APPROVALS

CE Compliant
cETLus Compliant

## MECHANICAL SPECIFICATION

Height (U-holder vertically):	350 mm (13.8")
Width:	315 mm (12.4")
Depth:	300 mm (11.8")
Weight:	16.8 kg (37 lbs)
Ingress protection rating:	IP20

## RIGGING

### ColorStrobe:

Mounting Points:	2 pairs of 1/4-turn locks
Multipoint segment locking for big truss installations	
Omega Brackets:	1 x Omega bracket with 1/4-turn quick locks

## OPTIONAL ACCESSORIES:

Floor stands	10980261
Bandoor	10980262
Frame Adaptor	10980263
Gel Frame	10980264
Stacker	10980265
Mains Cable PowerCon TRUE1 In/open ended, EU 2m	13052276
Mains Cable PowerCon TRUE1 In/open ended, US 2m	13052277
Daisy Chain PowerCon TRUE1 In/Out, EU, 0,6m	13052278
Daisy Chain PowerCon TRUE1 In/Out, US, 0,6m	13052279
Daisy Chain PowerCon TRUE1 In/Out, EU, 2m	13052280

**LEGAL:**

ColorStrobe™ is a Trademark of Robe lighting s.r.o.

ColorStrobe™ is patented by Robe lighting s.r.o. and protected by one or more pending or issued patents

**ORDERING INFORMATION****EU Model ColorStrobe:**

Cardboard:	10070862
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Single Top Loader Case:	10570862
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Quad Top Loader Case:	10870862
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**EU Model ColorStrobe with Wireless:**

Cardboard:	10070872
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Single Top Loader Case:	10570872
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Quad Top Loader Case:	10870872
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**Product on Request**

A powerful single source LED luminaire designed specifically to provide the highest quality of light.

Available in different colour temperatures to suit the application – a crisp 5.700K white for exhibition/display or a warm 2.700K for stage performance. High resolution DMX dimming and a native 23° output, make it universally appealing. Designed and built entirely at our Czech facility in a lightweight composite material finished in either black or white. Supplied complete with gel frame, detachable barn door set and swivel floor stand/hanging bracket. Very competitively priced and offered with a full compliment of additional cost options including: beam diffusers and plug-in wireless DMX module.

## Features

- Bright white output
- High CRI (>80)
- 2.700 K or 6.000K white light
- High resolution dimming
- Made in Europe
- Combined Hanging Bracket/floor stand

## Specifications

### SOURCE

Light Source Type:	1 x 130 W COB LED
LED Life Expectancy:	Minimum 60.000 hours
Typical Lumen Maintenance:	70 % @ 60.000 hours

### OPTICAL SYSTEM AND EFFECTS

Beam Angle:	12°, 23°(optional diffuser 28° included)
CCT:	2.700K, 3.000K, 4.000K or 6.000K
CRI:	96 (2700K), 93 (3000K), 80 (4000K), 82 (6000K)
High Resolution Dimmer:	0–100 %
Strobe effect:	Electronic with variable speed, (max. 20 flashes per second), pre-programmed random strobe & pulse effects

### CONTROL AND PROGRAMING

Setting & Addressing:	2-row LCD display & 4 buttons
Protocols:	USITT DMX 512, RDM
Wireless CRMX™ technology from Lumen Radio:	On request

Control Channels:	1, 2, 3
DMX Protocol modes:	3
Programs:	3 user-editable program up to 40 steps
Stand-alone operation:	Yes
Data in/out:	Locking 5-pin XLR

#### THERMAL SPECIFICATION

Maximum Ambient Temperature:	40 °C (104 °F)
Maximum Housing Temperature:	80 °C (176 °F)

#### ELECTRICAL SPECIFICATION

Input Voltage:	Supply 100–240 V, 50–60Hz
Power Consumption:	max. 150W
Power Connector:	Neutrik PowerCon In/Out
Standard Compliance:	CE; cETLus

#### APPROVALS

CE Compliant
cETLus Compliant

#### MECHANICAL SPECIFICATION

Length:	343 mm (13.5") without hanging bracket
Width:	240 mm (9.5") x 173 mm (6.8")
Weight:	4.4 kg (9.7 lbs)
Ingress protection rating:	IP20

#### RIGGING

Mounting Points:	Mounting horizontally or vertically via mounting yoke (360° tilt range)
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#### ACCESSORIES

Included:	Diffuser 28° for ParFect S1/SB1, accessory frame adaptor, Barndoor for ParFect S1
Optional:	Diffusion filters 40°, 50°, 62°x46°, 70°x48°

#### OPTIONAL ACCESSORIES:

Diffuser 40°	10980243
Diffuser 50°:	10980244
Diffuser 62° x 46°:	10980245
Diffuser 70° x 48°:	10980246
Mains Cable PowerCon In/Schuko 2m:	13051724
Mains Cable PowerCon In/CEE 16A 3m:	13051725
Mains Cable PowerCon In/US 2m:	13051726
Mains Cable PowerCon In/open ended 2m:	13051731
Daisy Chain PowerCon In/out EU 2m:	13051727
Daisy Chain PowerCon in/out US 2m:	13051728
ROBE Wireless CRMX Dongle:	10980127

#### LEGAL:

ParFect S1™ is a Trademark of Robe lighting s.r.o.  
 ParFect S1™ is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

#### ORDERING INFORMATION

##### EU Model 6000K 23°:

Cardboard:	10070841
Single Top Loader Case:	10570841
Six-Pack Top Loader Case:	10970841
Eight-Pack Top Loader Case:	10470841

##### EU Model 6000K 12°:

Cardboard:	10071054
Single Top Loader Case:	10571054
Six-Pack Top Loader Case:	10971054
Eight-Pack Top Loader Case:	10471054



An LED source ACL beam at an affordable price made in Europe, now with zoom included.

ParFect 150 RGBW is a static, zoomable version of the successful LEDBeam 100 and retains all the key features including both CMY & RGBW colour control, 18-bit dimming, Tungsten emulation, selectable & variable colour temperatures and the powerful punchy beam ranging from 3.8° to 60°.

The compact and lightweight moulded composite unit includes a combined hanging bracket/floor stand. Accessories such as barn-doors and the gel frame give ParFect 150 RGBW the features required for TV and theatre.

Now equipped with Robe's innovative lens coating technology which brings benefits such as bright and clear lenses, no scratches or marks, higher light output and longer intervals between cleaning.

## Features

- Perfect colour mixing
- 7 x 40W RGBW multichips
- Combined Hanging Bracket-floor stand
- Zoom range: 3.8°–60°
- Multichip LED technology
- True whites
- Diffusion filter imbedded

## Specifications

### SOURCE

Light Source Type:	7 x 40W RGBW multichips
LED Life Expectancy:	min. 50.000 hours
Typical Lumen Maintenance:	L70/B50 @ 50.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Innovative lens coating technology (Patent pending)	
High-efficiency zoom optical system, ratio 15.5:1	
Zoom range:	3.8°–60°
Fixture total lumen output:	2.842 lm



Illuminance:	12.200 lx @ 5 m
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### DYNAMIC EFFECTS

Colour mixing mode:	RGBW or CMY
Variable CTO:	2.700 – 8.000K
Virtual Colour Wheel:	with 66 preset swatches
Tungsten lamp effect at whites:	2.700K and 3.200K (red shift and thermal delay)

Motorized zoom

Pre-programmed random strobe & pulse effects

High resolution electronic dimming:	0–100 %
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### CONTROL AND PROGRAMING

Setting & Addressing:	two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 25 steps)
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Protocols:	USITT DMX-512, RDM
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Wireless CRMX™ technology from Lumen Radio:	On request
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DMX Protocol modes:	2
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Control channels:	17, 11
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RGBW / CMY	8 or 16 bit
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Zoom:	8 or 16 bit
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Dimmer:	8 or 16 bit (internal 18 bit)
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### THERMAL SPECIFICATION

Maximum ambient temperature:	40 °C (104 °F)
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Maximum surface temperature:	80 °C (176 °F)
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Minimum operating temperature:	-5 °C (23 °F)
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### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
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Input voltage range:	100-240 V, 50/60 Hz
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Power consumption:	max. 220W
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Power in/out connector:	Neutrik powerCON in/out
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DMX and RDM data in/out:	Locking 5-pin XLR
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### APPROVALS

CE Compliant

cETLus Compliant

### MECHANICAL SPECIFICATION

Length:	192 mm (7.6")
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Width:	240 mm (9.5")
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Height without hanging bracket:	392 mm (15.4")
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Height with hanging bracket:	498 mm (19.6")
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Weight:	5 kg (11 lbs)
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Ingress protection rating:	IP20
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### RIGGING

Mounting horizontally or vertically via mounting yoke

Universal operating position

Safety cable attachment point

### INCLUDED ITEMS

Accessory frame adaptor

User Manual

### ACCESSORIES

Wireless DMX external module:	10980127
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Gel Frame:	10980372
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Diffusion filter:

for fixed installation under optics 2°:	10980423
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for sliding into Gel Frame 2°:	10980373
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Barndoor module:	10980349
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HALO Frame adaptor:	10980348
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EggCrate:	10980346
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# ParFect 150™ RGBW

Doughty trigger clamp:	17030386
Safety wire 36 kg:	99011963
Mains Cable powerCON In/Schuko 2 m:	13051724
Mains Cable powerCON In/CEE 16A 2 m:	13051725
Mains Cable powerCON In/US 2 m:	13051726
Mains Cable powerCON In/open ended 2 m:	13051731
Daisy Chain powerCON In/Out EU 2 m:	13051727
Daisy Chain powerCON In/Out US 2 m:	13051728
Single Top Loader Case:	10120217-02
Six-Pack Top Loader Case:	10120218-02
Eight-Pack Top Loader Case:	10120219-02
Dual Foam Shell:	20020301-01

## LEGAL

ParFect 150™ RGBW is a Trademark of Robe lighting s.r.o.

ParFect 150™ RGBW is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model

Cardboard:	10071171
Single Top Loader case:	10571171
Six-Pack Top Loader Case:	10971171
Eight-Pack Top Loader Case:	10471171



Professional luminaire in affordable package made in Europe. ParFect 150 FWQ is a static fixture with a fresnel wash type of light output. The edge of the beam is smoothly diffused at any beam angle of the remotely controllable zoom ranging from 3.8° to 60°. It has perfect colour mixing, including both CMY & RGBW colour control, 18-bit dimming, Tungsten emulation, and selectable & variable colour temperatures of pure and crispy whites. The compact and lightweight moulded composite unit includes a combined hanging bracket and floor stand. Exceptionally quiet – ParFect 150 is a perfect solution for theatres, concert halls, TV's and any kind of installation. Now equipped with Robe's innovative lens coating technology which brings benefits such as bright and clear lenses, no scratches or marks, higher light output and longer intervals between cleaning.

## Features

- Perfect colour mixing
- 7 x 40W RGBW multichips
- Combined Hanging Bracket-floor stand
- Zoom range: 3.8°–60°
- Multichip LED technology
- True whites
- Diffusion filter imbedded

## Specifications

### SOURCE

Light Source Type:	7 x 40W RGBW multichips
LED Life Expectancy:	min. 50.000 hours
Typical Lumen Maintenance:	L70/B50 @ 50.000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Innovative lens coating technology (Patent pending)	
High-efficiency zoom optical system, ratio 15.5:1	
Zoom range:	3.8°–60°

# ParFect 150™ FWQ RGBW

Diffusion filter imbedded

Fixture total lumen output: 2.288 lm

Illuminance: 8.190 lx @ 5 m

## DYNAMIC EFFECTS

Colour mixing mode: RGBW or CMY

Variable CTO: 2.700 – 8.000K

Virtual Colour Wheel: with 66 preset swatches

Tungsten lamp effect at whites: 2.700K and 3.200K (red shift and thermal delay)

Motorized exceptionally quiet zoom

Pre-programmed random strobe & pulse effects

High resolution electronic dimming: 0–100 %

## CONTROL AND PROGRAMING

Setting & Addressing: two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 25 steps)

Protocols: USITT DMX-512, RDM

Wireless CRMX™ technology from Lumen Radio: On request

DMX Protocol modes: 2

Control channels: 17, 11

RGBW / CMY 8 or 16 bit

Zoom: 8 or 16 bit

Dimmer: 8 or 16 bit (internal 18 bit)

## THERMAL SPECIFICATION

Maximum Ambient Temperature: 40 °C (104 °F)

Maximum Housing Temperature: 80 °C (176 °F)

Minimum operating temperature: -5 °C (23 °F)

## ELETRICAL SPECIFICATION AND CONNECTIONS

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: max. 220W

Power in/out connector: Neutrik powerCON in/out

DMX and RDM data in/out: Locking 5-pin XLR

## APPROVALS

CE Compliant

cETLus Compliant

## MECHANICAL SPECIFICATION

Length: 192 mm (7.6")

Width: 240 mm (9.45")

Height without hanging bracket: 392 mm (15.43")

Height with hanging bracket: 498 mm (19.6")

Weight: 5 kg (11 lbs)

Ingress protection rating: IP20

## RIGGING

Mounting horizontally or vertically via mounting yoke

Universal operating position

Safety cable attachment point

## INCLUDED ITEMS

Accessory frame adaptor

User Manual

## ACCESSORIES

Wireless DMX external module: 10980127

Gel Frame: 10980372

Clear lens cover: 10980604

Barndoor module: 10980349

HALO Frame adaptor:	10980348
EggCrate:	10980346
Doughty trigger clamp:	17030386
Safety wire 36 kg:	99011963
Mains Cable powerCON In/Schuko 2 m:	13051724
Mains Cable powerCON In/CEE 16A 2 m:	13051725
Mains Cable powerCON In/US 2 m:	13051726
Mains Cable powerCON In/open ended 2 m:	13051731
Daisy Chain powerCON In/Out EU 2 m:	13051727
Daisy Chain powerCON In/Out US 2m:	13051728
Single Top Loader Case:	10120217-02
Six Pack Top Loader Case:	10120218-02
Eight Pack Top Loader Case:	10120219-02
Dual Foam Shell:	20020301-01

### LEGAL

ParFect 150™ FWQ RGBW is a Trademark of Robe lighting s.r.o.

ParFect 150™ FWQ RGBW is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

### ORDERING INFORMATION

#### **EU Model**

Cardboard:	10071171
Single Top Loader case:	10571171
Six-Pack Top Loader Case:	10971171
Eight-Pack Top Loader Case:	10471171



The ParFect 150 RGBA has a bright, ACL style light beam with zoom control and a high CRI in an economical LED format.

It produces warm golden tones while retaining the key features of precise colour control via CMY or RGBA colour mixing, ultra-smooth 18-bit dimming and a powerful 3.8° to 60° zoom.

This compact, lightweight fixture includes a combined hanging/floor stand bracket, accessories such as barn doors and the gel frame, making it a versatile fixture for theatrical and educational applications. Now equipped with Robe's innovative lens coating technology which brings benefits such as bright and clear lenses, no scratches or marks, higher light output and longer intervals between cleaning.

## Features

- Perfect colour mixing
- 7 x 40W RGBA multichips
- Combined Hanging Bracket-floor stand
- Zoom range: 3.8°–60°
- Multichip LED technology
- True whites
- Diffusion filter imbedded

## Specifications

### SOURCE

Light Source Type:	7 x 40W RGBA multichips
LED Life Expectancy:	Minimum 50.000 hours
Typical Lumen Maintenance:	L70/B50 @ 50.000 hours

### OPTICAL SYSTEM AND EFFECTS

Robe's proprietary optical design	
Innovative lens coating technology (Patent pending)	
High-efficiency zoom optical system, ratio:	15.5:1
Zoom range:	3.8°–60°
Illuminance:	9.810 lx @ 5 m
Fixture total lumen output:	2.245 lm

### DYNAMIC EFFECTS

Colour mixing mode:	RGBA or CMY
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Variable CTO:	2.700 – 8.000K
Virtual Colour Wheel:	with 66 preset swatches
Tungsten lamp effect at whites:	2.700K and 3.200K (red shift and thermal delay)
Motorized zoom	
Pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100 %

### CONTROL AND PROGRAMMING

Setting & Addressing: two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 25 steps)

Protocols:	USITT DMX-512, RDM
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	2
Control channels:	17, 11
RGBA / CMY	8 or 16 bit
Zoom:	8 or 16 bit
Dimmer:	8 or 16 bit (internal 18 bit)

### THERMAL SPECIFICATION

Maximum ambient temperature:	40 °C (104 °F)
Maximum surface temperature:	80 °C (176 °F)
Minimum operating temperature:	-5 °C (23 °F)

### ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100–240 V, 50/60 Hz
Power consumption:	max. 220W
Power in/out connector:	Neutrik powerCON in/out
DMX and RDM data in/out:	Locking 5-pin XLR

### APPROVALS

CE Compliant
cETLus Compliant

### MECHANICAL SPECIFICATION

Height:	192 mm (7.6")
Width:	240 mm (9.45")
Depth:	392 mm (15.43") without hanging bracket / 498 mm (19.6") with hanging bracket
Weight:	5 kg (11 lbs)
Ingress protection rating:	IP20

### RIGGING

Mounting horizontally or vertically via mounting yoke
Universal operating position
Safety cable attachment point

### INCLUDED ITEMS

Accessory frame adaptor
User Manual

### ACCESSORIES

Wireless DMX external module:	10980127
Gel Frame:	10980372
Diffusion filter:	
for fixed installation under optics 2°:	10980423
for sliding into Gel Frame 2°:	10980373
Clear lens cover:	10980604
Barndoor module:	10980349
HALO Frame adaptor:	10980348
EggCrate:	10980346
Doughty trigger clamp:	17030386
Safety wire 36 kg:	99011963

# ParFect 150™ RGBA

Mains Cable powerCON In/Schuko 2 m:	13051724
Mains Cable powerCON In/CEE 16A 2 m:	13051725
Mains Cable powerCON In/US 2 m:	13051726
Mains Cable powerCON In/open ended 2 m:	13051731
Daisy Chain powerCON In/Out EU 2 m:	13051727
Daisy Chain powerCON In/Out US 2 m:	13051728
Single Top Loader Case:	10120217-02
Six Pack Top Loader Case:	10120218-02
Eight Pack Top Loader Case:	10120219-02
Dual Foam Shell:	20020301-01

## LEGAL

ParFect 150™ RGBA is a Trademark of Robe lighting s. r. o.  
ParFect 150™ RGBA is patented by Robe lighting s. r. o. and is  
protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model

Cardboard:	10071145
Single Top Loader case:	10571145
Six-Pack Top Loader Case:	10971145
Eight-Pack Top Loader Case:	10471145





The ParFect 150 FWQ RGBA has a bright, Fresnel style soft-beam edge, with zoom control and a high CRI in an economical LED format.

It produces warm golden tones while retaining the key features of precise colour control via CMY or RGBA colour mixing, ultra-smooth 18-bit dimming and a powerful 3.8° to 60° zoom.

This compact, lightweight fixture includes a combined hanging/floor stand bracket, accessories such as barn doors and the gel frame, making it a versatile fixture for theatrical and educational applications.

Now equipped with Robe's innovative lens coating technology which brings benefits such as bright and clear lenses, no scratches or marks, higher light output and longer intervals between cleaning.

## Features

- Perfect colour mixing
- 7 x 40W RGBA multichips
- Combined Hanging Bracket-floor stand
- Zoom range: 3.8°–60°
- Multichip LED technology
- True whites
- Diffusion filter imbedded

## Specifications

### SOURCE

Light Source Type:	7 x 40W RGBA multichips
LED Life Expectancy:	min. 50.000 hours
Typical Lumen Maintenance:	L70/B50 @ 50.000 hours

### OPTICAL SYSTEM AND EFFECTS

Robe's proprietary optical design	
Innovative lens coating technology (Patent pending)	
High-efficiency zoom optical system, ratio:	15.5:1
Zoom range:	3.8°–60°
Diffusion filter imbedded	
Illuminance:	7.610 lx @ 5 m
Fixture total lumen output:	1.796 lm

### DYNAMIC EFFECTS

Colour mixing mode:	RGBA or CMY
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# ParFect 150™ FWQ RGBA

White light:	Variable CCT 2.700 – 8.000K
DataSwatch™ filters:	pre-programmed 66 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
Tungsten lamp effect:	750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)
Motorized exceptionally quiet zoom	
Pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100 %

## CONTROL AND PROGRAMMING

Setting & Addressing:	two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 25 steps)
Protocols:	USITT DMX-512, RDM
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	2
Control channels:	17, 11
RGBA / CMY	8 or 16 bit
Zoom:	8 or 16 bit
Dimmer:	8 or 16 bit (internal 18 bit)

## THERMAL SPECIFICATION

Maximum ambient temperature:	40 °C (104 °F)
Maximum surface temperature:	80 °C (176 °F)
Minimum operating temperature:	-5 °C (23 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100–240 V, 50/60 Hz
Power consumption:	max. 220W
Power in/out connector:	Neutrik powerCON in/out
DMX and RDM data in/out:	Locking 5-pin XLR

## APPROVALS

CE Compliant
cETLus Compliant (pending)

## MECHANICAL SPECIFICATION

Height:	192 mm (7.6")
Width:	240 mm (9.45")
Depth:	392 mm (15.43") without hanging bracket 498 mm (19.6") with hanging bracket
Weight:	5 kg (11 lbs)
Ingress protection rating:	IP20

## RIGGING

Mounting horizontally or vertically via mounting yoke
Universal operating position
Safety cable attachment point

## INCLUDED ITEMS

Accessory frame adaptor
User Manual

## ACCESSORIES

Wireless DMX external module:	10980127
Gel Frame:	10980372
Clear lens cover:	10980604
Barndoor module:	10980349
HALO Frame adaptor:	10980348
EggCrate:	10980346
Doughty trigger clamp:	17030386
Safety wire 36 kg:	99011963

Mains Cable powerCON In/Schuko 2 m:	13051724
Mains Cable powerCON In/CEE 16A 2 m:	13051725
Mains Cable powerCON In/US 2 m:	13051726
Mains Cable powerCON In/open ended 2 m:	13051731
Daisy Chain powerCON In/Out EU 2 m:	13051727
Daisy Chain powerCON In/Out US 2 m:	13051728
Single Top Loader Case:	10120217
Six-Pack Top Loader Case:	10120218
Eight-Pack Top Loader Case:	10120219
Dual Foam Shell:	20020301

### LEGAL

ParFect 150™ FWQ RGBA is a Trademark of Robe lighting s. r. o.  
 ParFect 150™ FWQ RGBA is patented by Robe lighting s. r. o. and is  
 protected by one or more pending or issued patents

### ORDERING INFORMATION

#### EU Model

Cardboard:	10071172
Single Top Loader case:	10571172
Six-Pack Top Loader Case:	10971172
Eight-Pack Top Loader Case:	10471172



The all-new iParFect 150 FWQ RGBW is loaded with impressive features. It has an exceptionally wide zoom range, is completely silent, due to passive cooling and, with an IP 65 rating, is ideal for television, theatres, concert halls and any kind of outdoor event.

Other characteristics include CMY & RGBW colour control, L3™ dimming and Tungsten emulation with both selectable & variable colour temperature providing total output control.

The powerful, punchy beam with a zoom range of 3.8° to 60°, combined with a Fresnel style beam edge, results in a smooth, homogenised beam of light.

This compact, lightweight fixture includes a combined hanging/floor stand bracket and accessories such as a gel frame and barndoors.

Now equipped with Robe's innovative lens coating technology that brings benefits such as bright and clear lenses, no scratches or marks, higher light output and longer intervals between cleaning.

iSeries – Robe reliability in all weathers.

**Features**

- Perfect colour mixing
  - 7 x 40W RGBW multichips
  - Combined Hanging Bracket-floor stand
- Zoom range: 3.8°–60°
  - True whites
  - L3™ Low Light Linearity

**Specifications**

**SOURCE**

Light Source Type:	7 x 40W RGBW multichips
LED Life Expectancy:	min. 50.000 hours
Typical Lumen Maintenance:	L70/B50 @ 50.000 hours

**OPTICAL SYSTEM**

Robe's proprietary optical design	
Innovative lens coating technology (Patent pending)	
High-efficiency zoom optical system, ratio:	15.5:1
Zoom range:	3.8°–60°
Fixture total lumen output:	1.676 lm
Illuminance:	6.800 lx @ 5 m
Innovative lens coating technology (Patent pending)	

**DYNAMIC EFFECTS**

Colour mixing mode:	RGBW or CMY
Variable CTO:	2.700 – 8.000K
Virtual Colour Wheel:	with 66 preset swatches
Tungsten lamp effect at whites:	2.700K and 3.200K (red shift and thermal delay)
Motorized zoom	
Pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100 %
L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black	

**CONTROL AND PROGRAMMING**

Setting & Addressing: two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 25 steps)	
Protocols:	USITT DMX-512, RDM
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	2
Control channels:	17, 11
RGBW / CMY	8 or 16 bit
Zoom:	8 or 16 bit
Dimmer:	8 or 16 bit (internal 18 bit)

**THERMAL SPECIFICATION**

Maximum ambient temperature:	40 °C (104 °F)
Maximum surface temperature:	80 °C (176 °F)
Minimum operating temperature:	-10 °C (14 °F)

**ELECTRICAL SPECIFICATION AND CONNECTIONS**

Power supply:	Electronic auto-ranging
Input voltage range:	100–277 V, 50/60 Hz
Power consumption:	max. 220W
Power in/out connector:	IP 65 Neutrik powerCON TRUE1 in/out
DMX and RDM data in/out:	Locking 5-pin XLR

**APPROVALS**

CE Compliant
cETLus Compliant

**MECHANICAL SPECIFICATION**

Height:	234.7 mm (9.24")
Width:	251 mm (9.88")
Depth:	413 mm (16.26") without hanging bracket 489.4 mm (19.27") with hanging bracket
Weight:	7.5 kg (16.5 lbs)
Ingress protection rating:	IP65

**RIGGING**

Mounting horizontally or vertically via mounting yoke
Universal operating position
Safety cable attachment point

**INCLUDED ITEMS**

User Manual
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# iParFect 150™ FWQ RGBW

## ACCESSORIES

Gel frame:	10980372
Barndoor module:	10980349
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Single Top Loader Case:	10120238
Six Pack Top Loader Case:	10120239
Eight Pack Top Loader Case:	10120240

## LEGAL

iParFect 150™ FWQ RGBW is a Trademark of Robe lighting s.r.o.

iParFect 150™ FWQ RGBW is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model

Cardboard:	10071201
Single Top Loader case:	10571201
Six-Pack Top Loader Case:	10971201
Eight-Pack Top Loader Case:	10471201

### EU Model ColorStrobe with Wireless:

Cardboard:	10071211
Single Top Loader case:	10571211
Six-Pack Top Loader Case:	10971211
Eight-Pack Top Loader Case:	10471211



The all-new iParFect 150 FWQ RGBA features an exceptionally-wide zoom range and silent operation with passive cooling, making it ideal for theatres, concert halls and television. With an IP 65 rating, it is also perfect for any outdoor application.

The RGBA LED colour combination provides a high CRI and allows designers to produce warm, rich, amber tones that are normally difficult to achieve. Other features include smooth CMY & RGBA colour control, L3™ and Tungsten emulation, with both selectable & variable colour temperatures providing total output control.

The powerful, punchy beam with a zoom range of 3.8° to 60°, combined with a Fresnel style beam edge, results in a smooth, homogenised beam of light. This compact, lightweight fixture includes a combined hanging/floor stand bracket and accessories such as a gel frame and barndoors. Now equipped with Robe's innovative lens coating technology that brings benefits such as bright and clear lenses, no scratches or marks, higher light output and longer intervals between cleaning.

iSeries – Robe reliability in all weathers.

## Features

- Perfect colour mixing
- 7 x 40W RGBA multichips
- Combined Hanging Bracket-floor stand
- Zoom range: 3.8°–60°
- True whites
- L3™ Low Light Linearity

## Specifications

### SOURCE

Light Source Type:	7 x 40W RGBA multichips
LED Life Expectancy:	min. 50.000 hours
Typical Lumen Maintenance:	L70/B50 @ 50.000 hours

# iParFect 150™ FWQ RGBA

## OPTICAL SYSTEM AND EFFECTS

Robe's proprietary optical design	
Innovative lens coating technology (Patent pending)	
High-efficiency zoom optical system, ratio:	15.5:1
Zoom range:	3.8°–60°
Illuminance:	5.300 lx @ 5 m
Fixture total lumen output:	1.310 lm

## DYNAMIC EFFECTS

Colour mixing mode:	RGBA or CMY
Variable CTO:	2.700 – 8.000K
Virtual Colour Wheel:	with 66 preset swatches
Tungsten lamp effect at whites:	2.700K and 3.200K (red shift and thermal delay)
Motorized exceptionally quiet zoom	
Pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100 %

## CONTROL AND PROGRAMMING

Setting & Addressing: two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 25 steps)	
Protocols:	USITT DMX-512, RDM
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	2
Control channels:	17, 11
RGBA / CMY	8 or 16 bit
Zoom:	8 or 16 bit
Dimmer:	8 or 16 bit (internal 18 bit)

## THERMAL SPECIFICATION

Maximum ambient temperature:	40 °C (104 °F)
Maximum surface temperature:	80 °C (176 °F)
Minimum operating temperature:	-10 °C (14 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100–277 V, 50/60 Hz
Power consumption:	max. 220W
Power in/out connector:	IP 65 Neutrik powerCON TRUE1 in/out
DMX and RDM data in/out:	Locking 5-pin XLR

## APPROVALS

CE Compliant
cETLus Compliant (pending)

## MECHANICAL SPECIFICATION

Height:	234.7 mm (9.24")
Width:	251 mm (9.88")
Depth:	413 mm (16.26") without hanging bracket 489.4 mm (19.27") with hanging bracket
Weight:	7.5 kg (16.5 lbs)
Ingress protection rating:	IP65

## RIGGING

Mounting horizontally or vertically via mounting yoke
Universal operating position
Safety cable attachment point

## INCLUDED ITEMS

User Manual
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## ACCESSORIES

Gel frame:	10980372
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Barndoor module:	10980349
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Single Top Loader Case:	10120238
Six Pack Top Loader Case:	10120239
Eight Pack Top Loader Case:	10120240

#### LEGAL

iParFect 150™ FWQ RGBA is a Trademark of Robe lighting s. r. o.

iParFect 150™ FWQ RGBA is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

#### ORDERING INFORMATION

##### **EU Model**

Cardboard:	10071202
Single Top Loader case:	10571202
Six-Pack Top Loader Case:	10971202
Eight-Pack Top Loader Case:	10471202

##### **EU Model ColorStrobe with Wireless:**

Cardboard:	10071212
Single Top Loader case:	10571212
Six-Pack Top Loader Case:	10971212
Eight-Pack Top Loader Case:	10471212



**Product on Request**

The ParFect, an LED source ACL beam at an affordable price and made in Europe. This unit is a static version of the successful LEDBeam 100 and retains all the key features including both CMY & RGBW colour control, Tungsten emulation, Zone Fx, selectable & variable colour temperatures and the really powerful punchy 7° beam. The compact and lightweight moulded composite unit is complete with a combined hanging bracket/floor stand. Wireless DMX, clip-on diffusion filters and detachable barndoors, are available as additional cost options.

## Features

- Perfect colour mixing
- Individual control of 3 LED zones
- Combined Hanging Bracket-floor stand
- Powerful Punchy 7° Beam
- Multichip LED technology
- True whites

## Specifications

### SOURCE

Light Source Type:	12 x 15W RGBW LED multichips
LED Life Expectancy:	Minimum 60.000 hours
Typical Lumen Maintenance:	70 % @ 60.000 hours

### OPTICAL SYSTEM AND EFFECTS

Robe's proprietary optical design	
Beam angle:	7°
Fixture total lumen output:	3.220 lm
Illuminance:	5.960 lx @ 5 m

### DYNAMIC EFFECTS

Colour mixing mode:	RGBW or CMY
3 individually controllable LED zones	
Virtual Colour Wheel:	237 colours including whites (2.700K, 3.200K, 4.200K, 5.600K and 8.000K)
Tungsten lamp effect at whites:	2.700K and 3.200K (red shift and thermal delay)
Colour rainbow effect with variable speed	
Pre-programmed random strobe & pulse effects	
Electronic strobe effect with variable speed up to 20 Hz	
High resolution electronic dimming:	0–100 %

**CONTROL AND PROGRAMING**

Setting & Addressing:	2-row LCD display & 4 buttons
Protocols:	USITT DMX 512, RDM
Wireless CRMX™ technology from Lumen Radio:	On request
Control Channels:	14, 9, 4, 30, 35, 4
DMX Protocol modes:	6
RGBW / CMY:	8 or 16 bit
Dimmer:	8 or 16 bit

**THERMAL SPECIFICATION**

Maximum Ambient Temperature:	40 °C (104 °F)
Maximum Housing Temperature:	80 °C (176 °F)
Minimum operating temperature:	-5 °C (23 °F)

**ELECTRICAL SPECIFICATION AND CONNECTIONS**

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz
Power consumption:	max. 200W
Power in/out connector:	Neutrik powerCON in/out
DMX and RDM data in/out:	Locking 5-pin XLR
Ethernet port in:	RJ45

**APPROVALS**

CE Compliant
cETLus Compliant

**MECHANICAL SPECIFICATION**

Length:	343 mm (13.5")
Width:	240 mm (9.5")
Height:	173 mm (6.8")
Weight:	4.1 kg (9 lbs)
Ingress protection rating:	IP20

**RIGGING**

Mounting horizontally or vertically via mounting yoke
Universal operating position
Safety cable attachment point

**INCLUDED ITEMS**

User Manual
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**ACCESSORIES**

Wireless DMX external module:	10980127
<b>Diffuser 10°:</b>	
Black	10980191
White	10980217
<b>Diffuser 20°:</b>	
Black	10980185
White	10980213
<b>Diffuser 40°:</b>	
Black	10980187
White	10980215
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Mains Cable powerCON In/Schuko 2m:	13051724
Mains Cable powerCON In/CEE 16A 2m:	13051725
Mains Cable powerCON In/US 2m:	13051726
Mains Cable powerCON In/open ended 2m:	13051731
Daisy Chain powerCON In/Out EU 2m:	13051727
Daisy Chain powerCON In/Out US 2m:	13051728
Single Top Loader Case:	10120153
Six Pack Top Loader Case:	10120154
Eight Pack Top Loader Case:	10120155
Dual Foam Shell:	20020217

# ParFect 100™

## Gel frame:

Black	10980204
White	10980207

## Barndoor:

Black	10980189
White	10980206

## Accessory frame adaptor and gel frame:

Black	10980193
White	10980205

## LEGAL:

ParFect 100™ is a Trademark of Robe lighting s. r. o.

ParFect 100™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model in black variant:

Cardboard:	10070620
Single Top Loader Case:	10570620
Six-Pack Top Loader Case:	10970620
Eight-Pack Top Loader Case:	10470620

### EU Model in white variant:

Cardboard:	10070623
Single Top Loader Case:	10570623
Six-Pack Top Loader Case:	10970623
Eight-Pack Top Loader Case:	10470623

## OPTIONAL ACCESSORIES:

ROBE Wireless CRMX Dongle:	10980127
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### Accessories for black variant:

Barndoor:	10980189
Frame Adaptor:	10980193
Gel Frame:	10980204

### Accessories for white variant:

Barndoor:	10980206
Frame Adaptor:	10980205
Gel Frame:	10980207

### Diffuser Filter for black variant:

Diffuser 10° 1pc:	10980191
Diffuser 10° 6pcs:	10980192
Diffuser 20° 1pc:	10980185
Diffuser 20° 6pcs:	10980186
Diffuser 40° 1pc:	10980187
Diffuser 40° 6pcs:	10980188

### Diffuser Filter for white variant:

Diffuser 10° 1pc:	10980217
Diffuser 10° 6pcs:	10980218
Diffuser 20° 1pc:	10980213
Diffuser 20° 6pcs:	10980214
Diffuser 40° 1pc:	10980215
Diffuser 40° 6pcs:	10980216

## Cable:

Mains Cable PowerCon In/Schuko 2m:	13051724
Mains Cable PowerCon In/CEE 16A 2m:	13051725
Mains Cable PowerCon In/US 2m:	13051726
Mains Cable PowerCon In/open ended 2m:	13051731
Daisy Chain PowerCon In/Out EU 2m:	13051727
Daisy Chain PowerCon In/Out US 2m:	13051728

## Product on Request



The Divine 60 UV is a breakthrough in true UV illumination - a 160 Watt all-LED luminaire providing superb UV output levels at 365nm (peak). Precision UV-stable components are housed in an IP67 rated casing with flexible mounting options enabling rapid installation, making it perfect for themed environments and events of all types.

Inbuilt DMX and RDM control facilitates the accurate setting of light levels, and a wireless control option allows retro fitting into existing installations without needing additional control infrastructure. Perfectly suited for both indoor and outdoor environments, the Divine 60 UV as an ideal choice for theatres, theme parks, attractions, leisure facilities and entertainment events requiring a true UV 'black light' effect.

## Features

- 60 x 385 nm UV LEDs
- Extra smooth high res. Dimming
- Beam angle 38° (at 1/2 beam)
- 6 individually controllable LED zones
- IP67
- IK10

## Specifications

### SOURCE

Light source type:	60 x 365nm UV LEDs
LED life expectancy:	min. 16 000 hours
Typical lumen maintenance:	70% @ 16 000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Beam angle:	38°

### DYNAMIC EFFECTS

6 individually controllable LED zones	
Pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100 %

### CONTROL AND PROGRAMMING

Setting & Addressing:	1-row LCD display
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# Divine™ 60 UV

Protocols:	USITT DMX-512, RDM
Wireless CRMX™ technology from Lumen Radio	
DMX Protocol modes:	3
Control channels:	2, 3, 9
Movement control:	manual
Dimmer:	16 bit

## THERMAL SPECIFICATION

Maximum ambient temperature:	40 °C (104 °F)
Maximum surface temperature:	75 °C (167 °F)
Minimum operating temperature:	-20 °C (-4 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz (CE) 100-277 V, 50/60 Hz (US)
Power consumption:	max.180W
Power in connector:	with plug
DMX and RDM data in/out:	Locking 5-pin XLR

## MECHANICAL SPECIFICATION

Rugged aluminium housing	
Height:	314 mm (12.4")
Width:	463 mm (18.2")
Depth:	175 mm (6.9")
Weight:	14 kg (30.86 lbs)
Ingress protection rating:	IP67

## RIGGING

Mounting positions:	Horizontally or vertically
Universal operating position	

## INCLUDED ITEMS

User Manual	
Power cord	
Universal Base Adaptor	

## ACCESSORIES

Top hat:	10980354
Half top hat:	10980355
Barndoor module:	10980356
Anti-glare:	10980385
Black Glass:	10980355
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Set of Rubber Feet:	10980370
Single Top Loader Case:	10120220

## LEGAL

Divine™ 60 UV is a Trademark of Robe lighting s. r. o.  
Divine™ 60 UV is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU model

Cardboard:	10063183
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### EU Model with Wireless

Cardboard:	10063188
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### US model

Cardboard:	10063184
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The Divine 160 is a high-performance 440W luminaire with phenomenal light output that can be used for a variety of entertainment and architectural lighting scenarios including the application of dynamic colour changing effects to building exteriors and façades, or illuminating complete areas with subtle CCT controllable white light.

The Divine is available in numerous configuration options including optics for flood or accent lighting. RGBW, SmartWhite or PureWhite in a variety of colour temperatures combined with different mounting options and accessories make Divine a truly flexible solution. A high IP rating of 67 and 2-year warranty underline the reliability required for the most demanding projects, be they permanent installations or temporary events. The compact size and low weight of the Divine combined with its adaptability make installation a smooth and streamlined process.

## Features

- 40 x High power multichip LEDs
- Up to 11.836 lm output
- Extra fine color mixing and dimming using 18-bit technology
- 4 individually controllable LED zones
- IP67
- IK10

## Specifications

### SOURCE

Light source type:	40 x 15W RGBW LEDs
LED life expectancy:	min. 60 000 hours
Typical lumen maintenance:	70% @ 60 000 hours

### OPTICAL SYSTEM

Robe's proprietary optical design	
Beam angle:	16°, 24°, or 41°
Illuminance:	11.836 lm @ 16° optics

### DYNAMIC EFFECTS

4 individually controllable LED zones
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# Divine™ 160 RGBW

Pre-programmed random strobe & pulse effects

High resolution electronic dimming:	0–100 %
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## CONTROL AND PROGRAMMING

Setting & Addressing:	1-row LCD display
Protocols:	USITT DMX-512, RDM
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	2
Control channels:	10, 22
Movement control:	manual
Dimmer:	16 bit

## THERMAL SPECIFICATION

Maximum ambient temperature:	40 °C (104 °F)
Maximum surface temperature:	75 °C (167 °F)
Minimum operating temperature:	-20 °C (-4 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100-240 V, 50/60 Hz (CE) 100-277 V, 50/60 Hz (US)
Power consumption:	max. 440W
Power in connector:	with plug
DMX and RDM data in/out:	Locking 5-pin XLR

## MECHANICAL SPECIFICATION

Rugged aluminium housing	
Height:	314 mm (12.4")
Width:	463 mm (18.2")
Depth:	175 mm (6.9")
Weight:	13.6 kg (29.9 lbs)
Ingress protection rating:	IP67

## RIGGING

Mounting positions:	Horizontally or vertically
Universal operating position	

## INCLUDED ITEMS

User Manual	
Power cord	
Universal Base Adaptor	

## ACCESSORIES

Top hat:	10980382
Half top hat:	10980383
Barndoor module:	10980380
Anti-glare:	10980384
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Set of Rubber Feet:	10980370
Single Top Loader Case:	10120220

## LEGAL

Divine™ 160 RGBW is a Trademark of Robe lighting s. r. o.

Divine™ 160 RGBW is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU model

Cardboard 16°:	10063177
Cardboard 24°:	10063178
Cardboard 41°:	10063179



**EU Model with Wireless**

Cardboard 16°:	10063185
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Cardboard 24°:	10063186
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Cardboard 41°:	10063187
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**US model**

Cardboard 16°:	10063180
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Cardboard 24°:	10063181
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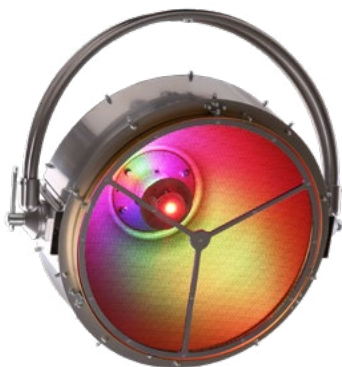
Cardboard 41°:	10063182
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# PATT SERIES



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Expanding the ROBE series of retro style lighting, PATT 2017 is LED driven, environmentally conscious and can be a playfully colorful or adaptable tungsten white-like eye-candy effect for the stage and set - perfect for bands, television, film and general prop lighting.

Lighting fixtures can be more than a practical necessity – the luminaires themselves can be a piece of art and create the mood. This fixture is based on an idea conceived by lighting designer Tim Routledge. The 7 x 40W RGBW LEDs powerfully illuminate the sleek, spun aluminium body which maximises its curves to look as good on stage as the performers it illuminates. Besides controlling the complete LED cluster as one unit, it is possible to control each single LED independently, creating smooth animations, transitions and rainbow effects on the aluminium reflector featuring the PATT gold-brown coating.

The PATT 2017 has a remote power and data box PATT driver and is connected through standard colour scroller cables with 4-pin XLR Connectors. For easy installation the PATT 2017 can be connected or disconnected from the PATT Driver under power.

## Features

- Perfect colour mixing
- PATT Driver
- 7 x 40 W RGBW LED multichips
- Individual control of each RGBW pixel

## Specifications

### SOURCE

Light source type:	7 x 40W RGBW LED multichips
LED life expectancy:	min. 50.000 hours
Typical lumen maintenance:	L70/B50 @ 50.000 hours

### OPTICAL SYSTEM

550mm parabolic aluminium reflector with high reflectivity coating  
 Diffusor dome distributing light evenly from RGBW LED source inside of the reflector

**DYNAMIC EFFECTS**

Colour mixing mode RGBW or CMY

Individual control of each RGBW pixel

Variable CTO: 2.700 – 8.000K

Virtual Colour Wheel: with 66 preset swatches

Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and direction

Shutter: Electronic with variable speed strobe (max. 20 flashes per second)

Pre-programmed random strobe &amp; pulse effects

High resolution electronic dimming: 0–100 %

**CONTROL AND PROGRAMMING**

PATT Driver: external

Setting &amp; Addressing: two-row LCD display &amp; 4 control buttons

Protocols: USITT DMX-512, RDM, ArtNet, Kling-Net, sACN

Wireless CRMX™ technology from Lumen Radio: On request

DMX Protocol modes: 6

Control channels: 13, 32, 40, 47, 53, 60

RGBW / CMY 8 or 16 bit (internal 18 bit)

Dimmer: 8 or 16 bit (internal 18 bit)

**THERMAL SPECIFICATION**

Maximum ambient temperature: 45° C (113 °F)

Maximum surface temperature: 65°C (149°F)

Minimum operating temperature: -5° C (23 °F)

**ELECTRICAL SPECIFICATION AND CONNECTIONS****PATT Driver:**

Power supply: Electronic auto-ranging

Input voltage range: 100–277 V, 50/60 Hz

Power consumption: max. 240W

Power in/out connector: Neutrik powerCON TRUE1 in/out

DMX and RDM data in/out: Locking 3-pin &amp; 5-pin XLR

Embedded Ethernet switch 10/100 Mbps: 1 x IN/1 x Out

Ethernet port in/out: RJ45 Power and Data out: Locking 4-pin XLR (from PATT Driver to the pixelPATT)

**PATT2017:**

Power and Data in: Locking 4-pin XLR

**APPROVALS**

CE Compliant

cETLus Compliant (pending)

**MECHANICAL SPECIFICATION**

Ingress protection rating: IP20

**PATT Driver:**

Height: 358 mm (14.1")

Width: 82 mm (3.2")

Depth: 162 mm (6.4")

Weight: 3.0 kg (6.6 lbs)

**PATT2017:**

Height: 680 mm (26.77")

Width: 695 mm (27.4")

Depth: 356 mm (14.0")

Weight: 10.3 kg (22.7 lbs)

**RIGGING****Mounting Points**

Driver: 1 x Half-couple clamp, 1 x Safety attachment point

PATT2017: M12 mounting for clamp or spigot

## Operating Position

PATT Driver: Floor standing on mounted on truss in vertical position

PATT2017: any operating and mounting position

## INCLUDED ITEMS

User Manual

## OPTIONAL ACCESSORIES

PATT Driver: Standard version	10055002
Wireless version	10055004
Floor stand:	10980259
Tripod:	10980374
Spigot:	10980260
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor:	13052405
Mains Cable powerCON TRUE1 In/US, 2m, Indoor:	13052406
Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor:	13052445
Mains Cable powerCON TRUE1 In/Open ended, 2m, Indoor:	13052407
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor:	13052439
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor:	13052440
Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor:	13052444
Data cable 4-pin XLR 10 m Ferite, EU, outdoor:	13052797
Data cable 4-pin XLR 5 m Ferite, EU, outdoor:	13052798
Data cable 4-pin XLR 10 m Ferite, US, indoor:	13052799
Data cable 4-pin XLR 5 m Ferite, US, indoor:	13052800
Single Top Loader Case:	10120224
Dual Top Loader Case:	10120225

## LEGAL

PATT 2017™ is a Trademark of Robe lighting s.r.o.

PATT 2017™ is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### PATT2017

#### EU model

Cardboard:	10055011
Single Top Loader Case:	10555011
Dual Top Loader Case:	10755011

#### PATT Driver

Standard version - Cardboard:	10055002
Wireless version - Cardboard:	10055004



### Product on Request

Joining Robe's line of retro style lighting products is pixelPATT, the latest addition to the PATT family. In spite of its eye-catching retro design, pixelPATT is based on modern LED pixel-controlled technology. The pixelPATT is composed of 7 x 40W RGBW LED multichips, one in the centre surrounded by a ring of six, housed in a super-slim and lightweight brushed metal frame. Aesthetically it keeps the dimensions and attractive curvature of the PATT 2013 and the picklePATT, making it desirable for both its physical appearance and as a light source. In order to make the pixelPATT elegant and lightweight, it has a remote Power and Data box PATT Driver, which is connected with the pixelPATT through a standard colour scroller cable with 4-pin XLR connectors. For easy installation the pixelPATT can be connected or disconnected from the PATT Driver under power. The pixelPATT is ideal for television broadcasts, concerts, fashion shows as well as a variety of other events.

### Features

- Perfect colour mixing
- Individual control of LED rings
- True whites
- Multichip LED technology
- Zoom: 8°–63°
- Flat & Even light beam

### Specifications

#### SOURCE

Light source type:	7 x 40W RGBW LED multichips
LED life expectancy:	min. 50.000 hours
Typical lumen maintenance:	L70/B50 @ 50.000 hours

#### OPTICAL SYSTEM

7 x 200 mm parabolic aluminium reflector with special gold-brown coating  
7 x half-ball diffusor dome distributing light evenly from RGBW LED source  
inside of the reflector

## DYNAMIC EFFECTS

Colour mixing mode RGBW or CMY	
Individual control of each RGBW pixel	
Variable CTO:	2.700 – 8.000K
Virtual Colour Wheel:	with 66 preset swatches
Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and direction	
Shutter:	Electronic with variable speed strobe (max. 20 flashes per second)
Pre-programmed random strobe & pulse effects	
High resolution electronic dimming:	0–100 %

## CONTROL AND PROGRAMMING

PATT Driver:	external
Setting & Addressing:	two-row LCD display & 4 control buttons
Protocols:	USITT DMX-512, RDM, ArtNet, Kling-Net, sACN
Wireless CRMX™ technology from Lumen Radio	
DMX Protocol modes:	6
Control channels:	13, 32, 40, 47, 53, 60
RGBW / CMY	8 or 16 bit (internal 18 bit)
Dimmer:	8 or 16 bit (internal 18 bit)

## THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	65°C (149°F)
Minimum operating temperature:	-5 °C (23 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

### PATT Driver:

Power supply:	Electronic auto-ranging
Input voltage range:	100–277 V, 50/60 Hz
Power consumption:	max. 240W
Power in/out connector:	Neutrik powerCON TRUE1 in/out
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Embedded Ethernet switch 10/100 Mbps:	1 x IN/1 x Out
Ethernet port in/out:	RJ45
Power and Data out:	Locking 4-pin XLR (from PATT Driver to the pixelPATT)

### pixelPATT:

Power and Data in:	Locking 4-pin XLR
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## APPROVALS

CE Compliant
cETLus Compliant (pending)

## MECHANICAL SPECIFICATION

Ingress protection rating:	IP20
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### PATT Driver:

Height:	358 mm(14.1")
Width:	82 mm (3.2")
Depth:	162 mm (6.4")
Weight:	3.0 kg (6.6 lbs)

### pixelPATT:

Height:	959 mm (37.75")
Width:	870 mm (34.3")
Depth:	158 mm (6.2")
Weight:	12.1 kg (26.67 lbs)



**RIGGING****Mounting points**

Driver: 1 x Half-couple clamp, 1 x Safety attachment point

pixelPATT: 1 x 13 mm hole for Clamp mounting

**Operating position**

PATT Driver: Floor standing on mounted on truss in vertical position

pixelPATT: any operating and mounting position

**INCLUDED ITEMS**

User Manual

PATT Driver

**OPTIONAL ACCESSORIES**

PATT Driver: Standard version	10055002
Wireless version	10055004
Tripod:	10980374
Floor stand:	10980259
Spigot:	10980260
Mounting bracket:	10980435
Doughty Trigger Clamp:	17030386
Safety wire 36 kg:	99011963
Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor:	13052405
Mains Cable powerCON TRUE1 In/US, 2m, Indoor:	13052406
Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor:	13052445
Mains Cable powerCON TRUE1 In/Open ended, 2m, Indoor:	13052407
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor:	13052439
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor:	13052440
Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor:	13052444
Data cable 4-pin XLR 10 m Ferite, EU, outdoor:	13052797
Data cable 4-pin XLR 5 m Ferite, EU, outdoor:	13052798
Data cable 4-pin XLR 10 m Ferite, US, indoor:	13052799
Data cable 4-pin XLR 5 m Ferite, US, indoor:	13052800
Dual Top Loader Case:	10120212

**LEGAL**

pixelPATT™ is a Trademark of Robe lighting s.r.o.

pixelPATT™ is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

**ORDERING INFORMATION****PixelPATT**

Cardboard:	10055001
Dual Top Loader Case:	10755001

**PixelPATT Black**

Cardboard:	10055003
Dual Top Loader Case:	10755003

**PATT Driver**

Standard version - Cardboard:	10055002
Wireless version - Cardboard:	10055004



Another member of the extended PATT family of retro-style lighting fixtures, onePATT is a RGBW multichip, high-powered, multicolored LED fixture housed in a super slim, lightweight, brushed metal retro-style frame.

The unit's high light output can be pixel mapped and therefore controlled and used for large scale matrix applications, as well as individual illuminating needs.

An integrated, intelligent, electronic Control System provides protection from overheating, remote addressing, calibration and status messaging, with a Power Supply unit, ensuring simple, remote maintenance and long-term reliability. For easy installation the onePATT can be connected or disconnected from the PATT Driver under power.

Seven onePATTs can be connected to the PATT Driver – a power and data box specifically designed for the pixlePATT, PATT 2017 and onePATT family of products.

## Features

- Perfect colour mixing
- 40W RGBW LED multichips
- Flat & Even light beam
- Multichip LED technology
- Virtual Colour Wheel: with 66 preset swatches

## Specifications

### SOURCE

Light source type:	40W RGBW LED multichips
LED life expectancy:	min. 20.000 hours
Typical lumen maintenance:	70% @ 20.000 hours

### OPTICAL SYSTEM

200mm parabolic aluminium reflector with special gold-brown coating  
half-ball diffuser dome distributing light evenly from RGBW LED source  
inside of the reflector

**DYNAMIC EFFECTS**

Colour mixing mode RGBW or CMY

Individual control of each RGBW pixel

Variable CTO: 2.700 – 8.000K

Virtual Colour Wheel: with 66 preset swatches

Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and direction

Shutter: Electronic with variable speed strobe (max. 20 flashes per second)

Pre-programmed random strobe &amp; pulse effects

High resolution electronic dimming: 0–100 %

**CONTROL AND PROGRAMMING**

PATT Driver: external

Setting &amp; Addressing: two-row LCD display &amp; 4 control buttons

Protocols: USITT DMX-512, RDM, ArtNet, Kling-Net, sACN

Wireless CRMX™ technology from Lumen Radio: On request

DMX Protocol modes: 6

Control channels: 13, 32, 40, 47, 53, 60

RGBW / CMY 8 or 16 bit (internal 18 bit)

Dimmer: 8 or 16 bit (internal 18 bit)

**THERMAL SPECIFICATION**

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 70 °C (158 °F)

Minimum operating temperature: -5 °C (23 °F)

**ELECTRICAL SPECIFICATION AND CONNECTIONS****PATT Driver:**

Power supply: Electronic auto-ranging

Input voltage range: 100–277 V, 50/60 Hz

Power consumption: max. 240W

Power in/out connector: Neutrik powerCON TRUE1 in/out

DMX and RDM data in/out: Locking 3-pin &amp; 5-pin XLR

Embedded Ethernet switch 10/100 Mbps: 1 x IN/1 x Out

Ethernet port in/out: RJ45

Power and Data out: Locking 4-pin XLR (from PATT Driver to the pixelPATT)

**onePATT:**

Power and Data in: Locking 4-pin XLR

**APPROVALS**

CE Compliant

cETLus Compliant (pending)

**MECHANICAL SPECIFICATION**

Ingress protection rating: IP20

**onePATT:**

Height: 321 mm (12.6")

Width: 309 mm (12.1")

Depth: 150 mm (5.9")

Weight: 1.6 kg (3.52 lbs)

**PATT Driver:**

Height: 358 mm (14.1")

Width: 82 mm (3.2")

Depth: 162 mm (6.4")

Weight: 3.0 kg (6.6 lbs)

## RIGGING

### Mounting points

Driver:	1 x Half-couple clamp, 1 x Safety attachment point
onePATT:	1 x 13 mm hole for Clamp mounting

### Operating position

PATT Driver:	Floor standing on mounted on truss in vertical position
onePATT:	any operating and mounting position

## INCLUDED ITEMS

User Manual

## OPTIONAL ACCESORIES

PATT Driver: Standard version	10055002
Wireless version	10055004
Doughty Trigger Clamp	17030386
Safety wire 36 kg:	99011963
Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor:	13052405
Mains Cable powerCON TRUE1 In/US, 2m, Indoor:	13052406
Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor:	13052445
Mains Cable powerCON TRUE1 In/Open ended, 2m, Indoor:	13052407
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor:	13052439
Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor:	13052440
Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor:	13052444
Data cable 4-pin XLR 10 m Ferite, EU, outdoor:	13052797
Data cable 4-pin XLR 5 m Ferite, EU, outdoor:	13052798
Data cable 4-pin XLR 10 m Ferite, US, indoor:	13052799
Data cable 4-pin XLR 5 m Ferite, US, indoor:	13052800
onePATT Top Loader Case 7-pack set:	10120231

## LEGAL

onePATT™ is a Trademark of Robe lighting s. r. o.

onePATT™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

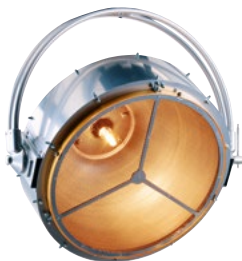
### onePATT

#### EU Model

Cardboard:	10055021
Seven-Pack Top Loader Case:	10355021

### PATT Driver

Standard version:	10055002
Wireless version:	10055004



Following the series of retro style lighting, the picklePATT is the new cute compact addition to our tungsten classic family. It is the second fixture, made in collaboration with lighting designer Tim Routledge, which combines traditional aesthetics and modern build quality.

The picklePATT is specifically designed to further the current trend for tungsten eye-candy on stage and set - for bands, television, film and general prop lighting, while keeping its vintage looks and utilizing the modern, readily available 575W HPL lamp.

The 575W tungsten softlight is formed around a 392 mm sleek, spun parabolic aluminium body which maximises its curves to look as good on stage as the performers it illuminates. The picklePATT proves that lighting fixtures can be more than just a practical necessity – the luminaires themselves can be a piece of art and create the mood. The well-known member of Robe's tungsten classic range - PATT 2013 - has already been used on television broadcasts and concerts worldwide including Jeff Lynne's ELO, Gary Barlow, The Prodigy, Robbie Williams, Paul McCartney, X Factor, Britain's Got Talent, The Graham Norton Show plus numerous other talkshow sets.

## Features

- High Performance Tungsten Lamp
- Colour Temperature: 3.050K
- Retro style fixture
- Flat & Even light beam

## Specifications

### SOURCE

Lamp:	High Performance Tungsten Lamp
Base:	G 9,5 special (with heat sink)
Recommended lamp type:	HPL 575/240/X 575W - 240V HPL 575/120/X 575W - 120V
Lifetime:	1.500 hours
Colour Temperature:	3.050K

### OPTICAL SYSTEM

392mm parabolic aluminium reflector with high reflectivity coating

## **CONTROL AND PROGRAMMING**

External Dimmer

## **THERMAL SPECIFICATION**

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 160 °C (320 °F)

## **ELECTRICAL SPECIFICATION AND CONNECTIONS**

Input voltage range: 120 V or 240 V, 50/60 Hz

Power consumption: max. 575W

## **APPROVALS**

CE Compliant

cETLus Compliant

## **MECHANICAL SPECIFICATION**

Height: 520 mm (20.5")

Width: 531 mm (20.9")

Depth: 241 mm (9.5")

Weight: 5.3 kg (11.7 lbs)

Ingress protection rating: IP20

## **RIGGING**

Mounting points: M12 mounting for clamp or spigot

Universal operating position

## **INCLUDED ITEMS**

User Manual

Power cord

## **OPTIONAL ACCESORIES**

Lamp HPL575 240V LL: 14080055

Lamp HPL575 120V X: 14080056

Dual Top Loader Case: 10120192

Quad Top Loader Case: 10120191

Floor stand: 10980259

Tripod: 10980287

Spigot: 10980260

## **LEGAL**

picklePATT™ is a Trademark of Robe lighting s.r.o.

picklePATT™ is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

## **ORDERING INFORMATION**

### **EU Model**

Cardboard: 10990150

Single Top Loader Case: 10990157

Dual Top Loader Case: 10990158

### **US Model:**

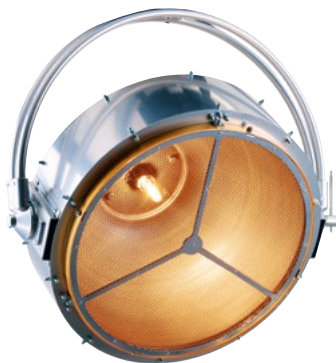
Cardboard: 10990153

Single Top Loader Case: 10990159

Dual Top Loader Case: 10990160

### **picklePATT ES**

Cardboard: 10990161



Patt 2013 is the first in a series of retro style lighting – designed specifically to further the current trend for tungsten eye-candy on stage and set - for bands, television, film and general prop lighting.

Lighting fixtures can be more than just a practical necessity – the luminaires themselves can be a piece of art and create the mood.

This fixture, conceived by lighting designer Tim Routledge, has already been used on television broadcasts and concerts worldwide including Gary Barlow, The Prodigy, Robbie Williams, Paul McCartney, X Factor, Britain's Got Talent, The Graham Norton Show plus numerous other talk-show sets.

The 750W tungsten softlight is formed around a sleek, spun aluminium body which maximises its curves to look as good on stage as the performers it illuminates.

Whilst taking inspiration for its appearance from vintage broadcast lighting, the PATT 2013 incorporates the modern, readily available 750W HPL lamp.

## Features

- High Performance Tungsten Lamp 750 W
- 550 mm parabolic aluminium reflector
- Retro style lighting
- Recommended lamp type:  
HPL 750/240/X 750W - 240V,  
HPL 750/120/X 750W - 120V

## Specifications

### SOURCE

Lamp:	High Performance Tungsten Lamp
Base:	G 9,5 special (with heat sink)
Recommended lamp type:	HPL 750/240/X 750W - 240V HPL 750/120/X 750W - 120V
Lifetime:	1.500 hours
Colour Temperature:	3.050K

## OPTICAL SYSTEM

550mm parabolic aluminium reflector with high reflectivity coating

## CONTROL AND PROGRAMMING

External Dimmer

## THERMAL SPECIFICATION

Maximum ambient temperature: 45 °C (113 °F)

Maximum surface temperature: 160 °C (320 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Input voltage range: 120 V or 240 V, 50/60 Hz

Power consumption: max. 750W

## APPROVALS

CE Compliant

cETLus Compliant

## MECHANICAL SPECIFICATION

Height: 691 mm (27.2")

Width: 695 mm (27.4")

Depth: 324 mm (12.8")

Weight: 7.2 kg (15.9 lbs)

Ingress protection rating: IP20

## RIGGING

Mounting points: M12 mounting for clamp or spigot

Universal operating position

## INCLUDED ITEMS

User Manual

Power cord

## OPTIONAL ACCESORIES

Lamp HPL750 240V: 14080053

Lamp HPL750 120V: 14080054

Single Top Loader Case: 10120190

Dual Top Loader Case: 10120189

Tripod: 10980374

Floor stand: 10980259

Spigot: 10980260

## LEGAL

PATT 2013™ is a Trademark of Robe lighting s.r.o.

PATT 2013™ is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

Cardboard: 10990135

Single Top Loader Case: 10990140

Dual Top Loader Case: 10990141





# CONTROLLERS



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The revolutionary RoboSpot is a follow spot system that allows the simultaneous remote control up to 12 fixtures ... without the safety concerns and / or impracticality of having people working at height above the stage or at the very top of venues like theatres and stadiums, or in elevated positions on film and TV sets.

Stunning visual displays are now possible utilising as many as 12 perfectly synchronised fixtures to follow a performer across a stage. Utilizing the RoboSpot system, operators can now safely and conveniently control multiple Robe fixtures from any location within the venue, also reducing set-up times and operational costs.

The RoboSpot BaseStation has a large 15.6-inch HD touch screen display, so the operator observes the performance space from a "first person" perspective – like most video games.

A live video picture relays visual and positional information – of the artist / cast - from MotionCamera/s that are either integral to the fixture itself or rigged adjacent to each individual fixture on the rig that is being used for remote follow spotting.

The operator has full control of the remote spotted fixture using the BaseStation handles and two programmable faders which can tweak parameters like dimmer or iris for additional effects.

The operator's commands are instantly transferred to the luminaires via DMX signal with no lag ... so, they can perfectly motion track the artist across the stage or performance area.

Extra control over the remote follow spot can be achieved via the Base Station touch screen display and four programmable jog wheels which have 10 additional button settings ... for a truly customisable experience.

The remote lighting desk can still control all the internal features of the follow spot units such as light intensity and colours.

# Specifications

## MAIN FEATURES

15.6" monitor
QVGA Robe touch screen with battery backup
4 control jog-wheels
10 preset buttons with a direct access of the pre-programmed features
Activation & Blackout buttons
Pan & Tilt freeze buttons
Manual movement control with position indication on the screen
2 faders mounted on the handles with direct control of the key features
0–100% /for example dimmer and iris), assignable to any BMFL properties (focus, zoom, frost, etc)
User setting of controllable attributes
Saving and uploading of custom settings
Compatible with: Compatible with the Robe BMFL™ FollowSpot / FollowSpot LT, BMFL™ Spot, BMFL™ Blade, BMFL™ WashBeam, BMFL™ WashBeam EV, ESPRITE™, ESPRITE™ FS, FORTE™, FORTE™ FS, T1 Profile™, T1 Profile FS™, T2 Profile™, T2 Profile FS™, DL7S Profile™, DL4S Profile™, iSpider®, iPointe65®, MegaPointe®, Pointe®, SPOTE™, CUETE™, ProMotion™, Viva CMY™, SilverScan™, Tarrantula™, Spider®, LEDBeam 150™, LEDBeam 350™
One RoboSpot can control up to 12 fixtures

## CONTROL AND PROGRAMMING

Display:	QVGA Robe touch screen with battery backup
Movement control:	manual

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100–240 V, 50/60 Hz
Power consumption:	max. 15W
Power in connector:	Neutrik powerCON TRUE1
DMX and RDM data in/out:	Locking 3-pin & 5-pin XLR
Ethernet port in/out:	RJ45

## VIDEO INPUTS

Ethernet port in:	RJ45
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## MECHANICAL SPECIFICATION

Height:	606 mm (23.8")
Width:	693 mm (27.3")
Depth:	472 mm (18.6")
Weight:	16.5 kg (36.4 lbs)

## APPROVALS

CE Compliant
cETLus Compliant

## RIGGING

Mounting positions:	on tripod (supplied with the product)
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## INCLUDED ITEMS

User Manual
Tripod
Adaptor for tripod
Spigot
Power cord including powerCON TRUE1 In connector

## OPTIONAL ACCESORIES

Monitor Shield and Note Holder for RoboSpot BaseStation:	10980409
Monitor Shield and Note Holder II for RoboSpot BaseStation:	10980678
Water-resistant RoboSpot system protection cover:	23049107
RoboSpot MotionCamera:	10580301
Single Top Loader Case:	10120236

## LEGAL

RoboSpot™ is a Trademark of Robe lighting s. r. o.

RoboSpot™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model

#### RoboSpot set

Cardboard:	10580291
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Single Top Loader Case:	10580293
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Single Top Loader Case incl. MotionCamera:	10580292
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### US Model

STCL W/O MotionCamera:	10580295
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STCL W/ MotionCamera:	10580294
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The RoboSpot MotionCamera is a revolutionary moving head fixture featuring an integrated HD camera remotely controlled via DMX to pan, tilt, zoom and autofocus.

Featuring a full HD camera with high light sensitivity capabilities down to 0.3 Lux illumination levels, the fixture provides a “first person view” for the followspot operator to track the performer across the stage. Video signals are instantly transferred to the RoboSpot BaseStation via a high-speed Ethernet cat5 cable.

## Specifications

### CAMERA

Type:	SNZ-6320
Resolution:	1920 x 1080, 16:9 Full HD (1080p) resolution support
Zoom:	32 x optical zoom 16 x digital zoom
Streaming:	H.264, MPEG dual codec, Multiple streaming
Vision:	Day & Night (ICR), WDR (120dB)
Minimum illumination:	0.3 Lux

### CONTROL AND PROGRAMMING

Setting & Addressing:	two-row LCD display & 4 control buttons
Protocols:	USITT DMX-512, RDM
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	1
Control channels:	8
Pan/Tilt resolution:	16 bit
Zoom:	8 bit

### MOVEMENT

Pan movement:	540°
Tilt movement:	270°
Movement control:	Standard and Speed
Automatic Pan/Tilt position correction	

### THERMAL SPECIFICATION

Maximum ambient temperature:	45 °C (113 °F)
Maximum surface temperature:	55 °C (131 °F)
Minimum operating temperature:	-5 °C (23 °F)

# RoboSpot™ MotionCamera™

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power supply:	Electronic auto-ranging
Input voltage range:	100–240 V, 50/60 Hz
Power consumption:	max. 35W
Power in/out connector:	Neutrik powerCON TRUE1 in/out
Camera output:	RJ 45

## APPROVALS

CE Compliant

cETLus Compliant

## MECHANICAL SPECIFICATION

Height:	386 mm (15.2") - head in vertical position
Width:	277 mm (10.9")
Depth:	147 mm (5.8")
Weight:	5.7 kg (12.6 lbs)

## RIGGING

Mounting positions:	Horizontally or vertically
1 x Omega adaptor with 1/4-turn quick locks	
Universal operating position	
Mounting points:	1 pair of 1/4-turn locking points
Safety cable attachment point	

## INCLUDED ITEMS

User Manual

Universal Base Adaptor

Power cord including powerCON TRUE1 In connector

## OPTIONAL ACCESORIES

Wireless DMX external module:	10980127
Trigger Clamp Doughty:	17030386
Safety wire 36 kg:	99011963
Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor:	13052439
Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor:	13052444

## LEGAL

RoboSpot™ MotionCamera is a Trademark of Robe lighting s. r. o.  
RoboSpot™ MotionCamera is patented by Robe lighting s. r. o. and is  
protected by one or more pending or issued patents

## ORDERING INFORMATIONS

Cardboard:	10080301
Single Top Loader Case:	10580301





BMFL LightMaster is an accessory of externally mounted programmable followspot handles with a control panel and two individual faders that allow you to create quality followspot from any of the Robin BMFL fixtures you already have on site.

Available in either sideways or back mounted option, the handles feature two programmable faders (for example for dimmer and iris) and a control panel with touch screen display and four custom programmable jog-wheels and ten assignable buttons for a fully-customizeable user experience.

The programmable buttons, jog-wheels and faders allow the operator to comfortably trigger and control dimmer, iris, focus, zoom, frost, colors or other features of the unit.

While in use by followspot operator, remote desk can still take control of all the internal features of the unit (like dimmer, colors etc.). Internal fixture's settings allow you to fully tailor pan/tilt movement behavior by adjusting tension smoothness and resistance.

Quick mounting in back or side position is assured by using quarter turn lock screws. Control panel connects to the unit via USB connection.

## Specifications

### MAIN FEATURES

Activation & Blackout buttons

Blackout button

Pan & Tilt freeze buttons

User setting of controllable attributes

4 control jog-wheels

2 faders mounted on the handles with direct control of the key features 0–100 % /for example dimmer and iris), assignable to any BMFL properties (focus, zoom, frost, etc)

# BMFL™ LightMaster Side/Rear

10 preset buttons with a direct access of the pre-programmed features  
Compatible with the ROBE BMFL Spot, Blade, WashBeam and FollowSpot  
and FollowSpot LT models

Saving and uploading of custom settings

## CONTROL AND PROGRAMMING

Display: QVGA Robe touch screen with battery backup

Movement control: manual

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power and data in connector: USB B

Ethernet port in/out: RJ45

## APPROVALS

CE Compliant

cETLus Compliant (pending)

## MECHANICAL SPECIFICATION

### LightMaster Side

Height: 256 mm (10.1")

Width: 637 mm (25.1")

Depth: 490 mm (19.29")

Weight: LightMaster: 4 kg (8.8 lbs)

Tripod: 6.5 kg (17.2 lbs)

Adaptor for tripod: 3.6 kg (7.9 lbs)

### LightMaster Rear

Height: 324 mm (12.8")

Width: max. 740 mm (29.1")

Depth: 718 mm (28.3")

Weight: LightMaster: 10.7 kg (23.6 lbs)

Tripod: 6.5 kg (17.2 lbs)

Adaptor for tripod: 3.6 kg (7.9 lbs)

Fixation option: On ROBE BMFL Spot, Blade, WashBeam, FollowSpot  
and FollowSpot LT models

## INCLUDED ITEMS

Tripod: Min. height 60 cm (23.6")

Max. height 110 cm (43.3")

Weight 6.5 kg (17.2 lbs)

Black colour

Adaptor for tripod

Spigot

## OPTIONAL ACCESORIES

Single Top Loader Case LightMaster side: 10120221

Single Top Loader Case LightMaster rear: 10120222

## LEGAL

BMFL™ is a trademark of Robe lighting s. r. o.

BMFL™ LightMaster Side and BMFL™ LightMaster Rear are patented by  
Robe lighting s. r. o. and are protected by one or more pending  
or issued patents

## ORDERING INFORMATIONS

### EU Model

#### LightMaster Side

Cardboard: 10080281

Single Top Loader Case: 10580281

#### LightMaster Rear

Cardboard: 10080282

Single Top Loader Case: 10580282



The T1 / ESPRITE LightMaster externally mounted programmable follow spot control interface allows you to use these fixtures as manually controlled followspots, thereby maximizing the use of your inventory.

The sideways mounted LightMaster kit, specifically designed to fit the entire T1 and ESPRITE Profile fixtures, features two programmable faders (to control dimmer and iris, for example) mounted on the handles, together with a control panel and touch screen display. Four custom programmable jog wheels and ten assignable buttons provide a fully customizable user experience.

The programmable buttons, jog wheels, and faders allow the operator to comfortably trigger all the features of the fixture with ease.

While in use by a follow spot operator, a separate control desk may still take control of all the internal features of the unit allowing maximum flexibility in the application of your T1 and ESPRITE Profile fixtures.

Installation is via lock screws, the control panel connecting to the fixture with a USB connection. Settings allow you to tailor the behaviour of pan and tilt movement, to suit follow-spot operation, by adjusting tension and resistance to ensure smooth movement.

## Specifications

### MAIN FEATURES

Activation & Blackout buttons

Blackout button

Pan & Tilt freeze buttons

User setting of controllable attributes

4 control jog-wheels

2 faders mounted on the handles with direct control of the key features 0-100% (for example dimmer and iris), assignable to any fixture properties (focus, zoom, frost, etc)

# T1™/ESPRITE™ LightMaster Side

10 preset buttons with a direct access of the pre-programmed features  
Saving and uploading of custom settings  
Compatible with ROBE T1 Profile™, T1 Profile FS™, ESPRITE™ and ESPRITE™ FS

## CONTROL AND PROGRAMMING

Display: QVGA Robe touch screen with battery backup  
Movement control: manual

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power and data in connector: USB B  
Ethernet port in/out: RJ45

## APPROVALS

CE Compliant  
cETLus Compliant

## MECHANICAL SPECIFICATION

Height: 190.7 mm (7.5")  
Width: 637 mm (25.1")  
Depth: 278 mm (10.9")  
Weight: LightMaster 3.7 kg (8.2 lbs)  
Tripod 6.5 kg (17.2 lbs)  
Adaptor for tripod 3.6 kg (7.9 lbs)  
Fixation option: T1 Profile™, T1 Profile FS™, ESPRITE™  
and ESPRITE™ FS

## INCLUDED ITEMS

Tripod: Min. height 60 cm (23.6")  
Max. height 110 cm (43.3")  
Black colour  
Adaptor for tripod  
Spigot

## OPTIONAL ACCESORIES

Single Top Loader Case: 10120221

## LEGAL

T1 Profile™, T1 Profile FS™ and ESPRITE™ LightMaster Side are  
Trademarks of Robe lighting s. r. o.  
T1 Profile™, T1 Profile FS™ and ESPRITE™ LightMaster Side are patented  
by Robe lighting s. r. o. and are protected by one or more pending or issued  
patents



T2 LightMaster is an accessory of externally mounted programmable followspot handles with a control panel and two individual faders that allow you to create quality followspot from the T2 Profile™ and T2 Profile FS™ fixtures.

Available in sideways mounted option, the handles feature two programmable faders (for example for dimmer and iris) and a control panel with touch screen display and four custom programmable jog-wheels and ten assignable buttons for a fully-customizeable user experience.

The programmable buttons, jog-wheels and faders allow the operator to comfortably trigger and control dimmer, iris, focus, zoom, frost, colors or other features of the unit.

While in use by followspot operator, remote desk can still take control of all the internal features of the unit (like dimmer, colors etc.). Internal fixture's settings allow you to fully tailor pan/tilt movement behavior by adjusting tension smoothness and resistance.

Quick mounting in side position is assured by using quarter turn lock screws. Control panel connects to the unit via USB connection.

## Specifications

### MAIN FEATURES

Activation & Blackout buttons

Blackout button

Pan & Tilt freeze buttons

User setting of controllable attributes

4 control jog-wheels

2 faders mounted on the handles with direct control of the key features 0-100% /for example dimmer and iris), assignable to any fixture properties (focus, zoom, frost, etc)

# T2™ LightMaster Side

10 preset buttons with a direct access of the pre-programmed features	
Saving and uploading of custom settings	
Compatible with:	T2 Profile™, T2 Profile FS™

## CONTROL AND PROGRAMMING

Display:	QVGA Robe touch screen with battery backup
Movement control:	manual

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power and data in connector:	USB B
Ethernet port in/out:	RJ45

## APPROVALS

CE Compliant
cETLus Compliant

## MECHANICAL SPECIFICATION

Height:	190.7 mm (7.5")
Width:	637 mm (25.1")
Depth:	277.5 mm (10.9")
Weight:	LightMaster 4 kg (8.8 lbs) Tripod 6.5 kg (17.2 lbs) Adaptor for tripod 3.6 kg (7.9 lbs)
Fixation option:	On T2 Profile™, T2 Profile FS™

## INCLUDED ITEMS

Tripod:	Min. height 60 cm (23.6") Max. height 110 cm (43.3") Black colour
Adaptor for tripod	
Spigot	

## OPTIONAL ACCESORIES

Single Top Loader Case:	10120221
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## LEGAL

T2 Profile™ and T2 Profile FS™ are Trademarks of Robe lighting s. r. o.  
T2 Profile™ and T2 Profile FS™ are patented by Robe lighting s. r. o. and are  
protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model

### LightMaster Side

Cardboard:	10080333
Single Top Loader Case:	10580333



FORTE™ LightMaster is an accessory of externally mounted programmable followspot handles with a control panel and two individual faders that allow you to create quality followspot from the FORTE™ and FORTE™ FS fixtures.

Available in either sideways or back mounted option, the handles feature two programmable faders (for example for dimmer and iris) and a control panel with touch screen display and four custom programmable jog-wheels and ten assignable buttons for a fully-customizeable user experience.

The programmable buttons, jog-wheels and faders allow the operator to comfortably trigger and control dimmer, iris, focus, zoom, frost, colors or other features of the unit.

While in use by followspot operator, remote desk can still take control of all the internal features of the unit (like dimmer, colors etc.). Internal fixture's settings allow you to fully tailor pan/tilt movement behavior by adjusting tension smoothness and resistance.

Quick mounting in back or side position is assured by using quarter turn lock screws. Control panel connects to the unit via USB connection.

## Specifications

### MAIN FEATURES

Activation & Blackout buttons

Blackout button

Pan & Tilt freeze buttons

User setting of controllable attributes

4 control jog-wheels

2 faders mounted on the handles with direct control of the key features 0-100% /for example dimmer and iris), assignable to any fixture properties (focus, zoom, frost, etc)

# FORTE™ LightMaster Side/Rear

10 preset buttons with a direct access of the pre-programmed features

Saving and uploading of custom settings

Compatible with: FORTE™, FORTE™ FS

## CONTROL AND PROGRAMMING

Display: QVGA Robe touch screen with battery backup

Movement control: manual

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Power and data in connector: USB B

Ethernet port in/out: RJ45

## APPROVALS

CE Compliant

cETLus Compliant

## MECHANICAL SPECIFICATION

LightMaster Side:

Height: 190.7 mm (7.5")

Width: 685.5 mm (26.9")

Depth: 296.5 mm (11.7")

LightMaster Rear:

Height: 306.3 mm (12.05")

Width: 740 mm (29.1")

Depth: 806.8 mm (31.8")

Weight: LightMaster Side: 3.7 kg (8.2 lbs)

LightMaster Rear: 9.8 kg (21.6 lbs)

Tripod: 6.5 kg (17.2 lbs)

Adaptor for tripod 3.6 kg (7.9 lbs)

Fixation option: on FORTE™, FORTE™ FS

## INCLUDED ITEMS

Tripod: Min. height 60 cm (23.6")

Max. height 110 cm (43.3")

Black colour

Adaptor for tripod

Spigot

## OPTIONAL ACCESSORIES

LightMaster Side:

Single Top Loader Case: 10120221

LightMaster Rear:

Single Top Loader Case: 10120222

## LEGAL

FORTE™ is a Trademark of Robe lighting s. r. o.

FORTE™ LightMaster Side and FORTE™ LightMaster Rear are patented by

Robe lighting s. r. o. and are protected by one or more pending or issued patents

## ORDERING INFORMATION

### EU Model

#### LightMaster Side

Cardboard: 10080334

Single Top Loader Case: 10580334

#### LightMaster Rear

Cardboard: 10080335

Single Top Loader Case: 10580335





Wireless DMX+RDM enhanced version of the Robe Universal Interface magnifies this powerful multi-functional toolbox. The unit communicates with a PC or Laptop via USB and besides the standard Robe Universal Interface features it provides wireless capabilities for both DMX controlling and bi-directional RDM setup, management and monitoring. Fixture software updates can now be carried out via either wired or wireless link. The wireless communication is based on robust CRMX technology which includes advanced features such as automated cognitive coexistence, DMX fidelity, low latency, strong encryption and more.

## Specifications

### SUPPORTED OPERATING SYSTEMS

Operation system: Windows 10, 8.1, 8, 7, ME, 2000, XP, Vista, Server 2003, Linux, MacOS X v10.5 and above

### FUNCTION

USB/DMX converter

Provides fixture software updates

Brings RDM communication protocol into DMX 512 control systems

RDM-network software allows: Fixture Status Monitoring  
Fixture Personality Setting  
AutoPatch

Wireless DMX+RDM

### CONNECTION

DMX data in/out: Locking 5-pin XLR

USB: 2.0 (series B)

### ELECTRICAL SPECIFICATION

No extra PSU needed

Galvanic isolation of 1kV between DMX Input and USB (DMX Output and USB)

### APPROVALS

CE Compliant

### MECHANICAL SPECIFICATION

Rugged aluminium housing

Height: 141 mm (5.6")

Width: 106 mm (4.2")

Depth: 150.5 mm (5.9")

Weight: 0.4 kg (0.88 lbs)

### ORDERING INFORMATION

#### EU Model:

Cardboard: 10080245

#### US Model:

Cardboard: 10080245

# Robe Universal Interface™



The Robe Universal Interface is a multi-functional tool box with 2 DMX ports and one USB port. This unit communicates with a PC or Laptop via USB.

The Robe Universal Interface provides fixture software updates and with additional ROBE RDM-network software provides RDM (Remote Device Management) functionality. The Robe Universal Interface supports RDM – new control protocol featuring AutoPatch and Fixture Status Monitoring. The Robe Universal Interface can be used in combination with Robe Media Fusion software as DMX input from any DMX console.

## Specifications

### SUPPORTED OPERATING SYSTEMS

Operation system: Windows 10, 8.1, 8, 7, ME, 2000, XP, Vista, Server 2003, Linux, MacOS X v10.5 and above

### FUNCTION

USB/DMX converter

Provides fixture software updates

Bridges RDM communication protocol into DMX 512

### CONTROL SYSTEMS

RDM-network software allows: Fixture Status Monitoring  
Fixture Personality Setting  
AutoPatch

### CONNECTION

DMX data in/out: Locking 5-pin XLR

USB: 2.0 (series B)

### ELECTRICAL SPECIFICATION

No extra PSU needed

Galvanic isolation of 1kV between DMX Input and USB (DMX Output and USB)

### APPROVALS

CE Compliant

### MECHANICAL SPECIFICATION

Rugged aluminium housing

Height: 54 mm (2.1")

Width: 86 mm (3.4")

Depth: 108 mm (4.3")

Weight: 0.3 kg (0.7 lbs)

ORDERING INFORMATION

<b>EU Model:</b>	
Cardboard:	10080160
<b>US Model:</b>	
Cardboard:	10080160

# FOG AND HAZE



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X1 FT PRO is a unified machine capable to quickly produce strong powerful fog or layer of even, thin haze, combining Fog and Faze operation into a single unit, make it ideal for universal operation even in large venues. Equipped with latest technology air pump and with liquid solenoid valve based pump, it enables self-cleaning feature also ensures production of fine dry fog. The built-in adjustable angle fan with speed control allows easy regulation of the fog output power and direction. Road ready rugged case design provides perfect touring and transport option.

## Specifications

### MAIN FEATURES

Warm-up time:	8 minutes (approx.)
Fluid consumption:	
Fog mode:	140 ml/min
Faze mode:	28 ml/min
Fluid tank capacity:	5 l (1.32 gallon)
Output:	3.500 cu.ft/min.

### CONTROL AND PROGRAMMING

Setting & Addressing:	LCD display with buttons
Protocols:	USITT DMX-512
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	1
Control channels:	3
Stand-alone operation:	Timer, Manual

### THERMAL SPECIFICATION

Maximum ambient temperature:	40 °C (104 °F)
Minimum operating temperature:	0 °C (32 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

### Input voltage:

EU model:	AC 220-240V, 50/60Hz 7A
US model:	AC 100-120V, 50/60Hz 13.5A
Power consumption:	max. 1.620W
Power in connector:	Neutrik powerCON
DMX:	Locking 3-pin & 5-pin XLR

## APPROVALS

CE compliant

## MECHANICAL SPECIFICATION

Height:	719 mm (28.31")
Width:	428 mm (16.85")
Depth:	728 mm (28.66")
Weight:	52.5 kg (115.74 lbs)

## INCLUDED ITEMS

User Manual

Power cord including powerCON In connector:	2x
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## OPTIONAL ACCESORIES

Standard Fog liquid

Performance Fog liquid

Premium Fog liquid

## LEGAL

X1 FT PRO™ is a Trademark of Robe lighting s. r. o.



FOG 1600 FT™ uses newly designed piping system with electronically controlled electromechanical valve and generates clear burst without excess fog and ensures that only the purest, driest white fog is produced. This piping design automatically removes remaining fluid from the system, resulting in extended lifespan of the heater unit. Internal electronic fluid level sensor stops operation in low-fluid situations offering complete protection to the heavy-duty and silent running pump and the 100% pure aluminum cast heater. FOG 1600 FT™ is the perfect solution for productions needing intensive effects. FOG 1600 FT™ also caters to the portability needs of the touring and rental markets with custom flightcases available for this fogger.

## Specifications

### MAIN FEATURES

Warm-up time:	10 minutes (approx.)
Fluid consumption:	100 ml/min
Fluid tank capacity:	6 l (1.59 gallon)
Low fluid indicator:	Blue LED
Output:	20.000 cu.ft./min.

### CONTROL AND PROGRAMMING

Setting & Addressing:	LCD display with buttons
Protocols:	USITT DMX-512
Wireless CRMX™ technology from Lumen Radio:	On request
DMX Protocol modes:	1
Control channels:	1
Stand-alone operation:	Timer, Manual

### THERMAL SPECIFICATION

Maximum ambient temperature:	40 °C (104 °F)
Minimum operating temperature:	0 °C (32 °F)



## ELECTRICAL SPECIFICATION AND CONNECTIONS

### Input voltage:

EU model:	AC 220-240V, 50/60Hz 6.3A
US model:	AC 100-120V, 50/60Hz 12.5A
Power consumption:	max. 1.450W
Power in connector:	Neutrik powerCON
DMX:	Locking 3-pin & 5-pin XLR

## APPROVALS

CE Compliant

## MECHANICAL SPECIFICATION

Height:	265 mm (10.4")
Width:	278 mm (10.9")
Depth:	561 mm (22.1")
Weight:	14.5 kg (31.97 lbs)

## INCLUDED ITEMS

User Manual

Power cord including powerCON In connector

## OPTIONAL ACCESORIES

Standard Fog liquid

Performance Fog liquid

Premium Fog liquid

## LEGAL

FOG 1600 FT™ is a Trademark of Robe lighting s. r. o.



This versatile FAZE 1050 FT™ is the result of an evolution between a fog and a haze machine. The Faze 1050 FT™ has the best features of both technologies without any compromises. The FAZE emits a fine, dry haze effect which is a perfect compliment for lighting. It is equipped with a range of sophisticated features which include a high precision PCB design; aluminum cast heater, a silent heavy-duty pump and controllable twin fans. Precise fan control is achieved by 3 adjustable levels via onboard DMX. The DMX connection can be via either 3 or 5 pin connector. Silence is golden in some environments, so the FAZE 1050 FT™ is equipped with the quietest pump allowing virtually silent operation, great for noise-sensitive events. A perfect fine particled haze with minimal residue, has a minimal effect on sensitive lighting equipments. FAZE 1050 FT™ has become the machine of choice for stage and studio professionals worldwide.

## Specifications

### MAIN FEATURES

Warm-up time:	10 minutes (approx.)
Fluid consumption:	22.2 ml/min
Fluid tank capacity:	2.4 l (0.63 gallon)
Low fluid indicator:	Blue LED
Output:	3.500 cu.ft./min.

### CONTROL AND PROGRAMMING

Setting & Addressing:	via X-10 Pro control module
Protocols:	USITT DMX-512
DMX Protocol modes:	1
Control channels:	2
Stand-alone operation:	Timer, Manual

### THERMAL SPECIFICATION

Maximum ambient temperature:	40 °C (104 °F)
Minimum operating temperature:	0 °C (32 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

### Input voltage:

EU model:	AC 220-240V, 50/60Hz
US model:	AC 100-120V, 50/60Hz
Power consumption:	max. 1.000W
Power in connector:	IEC
DMX:	Locking 3-pin & 5-pin XLR

## APPROVALS

CE Compliant

## MECHANICAL SPECIFICATION

Height:	281 mm (11.06")
Width:	275 mm (10.83")
Depth:	635 mm (25")
Weight:	18 kg (39.68 lbs)

## INCLUDED ITEMS

User Manual

## OPTIONAL ACCESORIES

Standard Fog liquid

Performance Fog liquid

Premium Fog liquid

## LEGAL

FAZE 1050 FT™ is a Trademark of Robe lighting s. r. o.



ROBE proudly unveils its latest Hazer – the HAZE 500 FT PRO™ – to the entertainment industry with great enthusiasm. This groundbreaking product is the result of extensive R'n'D in the field of haze machines, and has been developed following many years of experience and hard work. The performance of HAZE 500FT PRO™ is therefore second to none. It works spectacularly with laser beams and lighting effects to bring the best atmospheres to all events. HAZE 500 FT PRO™ is definitely the best choice for selective stage designers, performers, and audiences. Finally, the extraordinary low haze liquid consumption rate makes HAZE 500 FT PRO™ energy-efficient and environmentally-friendly.

## Specifications

### MAIN FEATURES

Fluid consumption:	1.1 ml/min
Fluid tank capacity:	2.5 l (0.66 gallon)
Low fluid indicator:	Blue LED
Operating time	37 hours at max. output
Output:	3.000 cu.ft./min.

### CONTROL AND PROGRAMMING

Setting & Addressing:	LCD display with buttons
Protocols:	USITT DMX-512
DMX Protocol modes:	1
Control channels:	1
Stand-alone operation:	Timer, Manual

### THERMAL SPECIFICATION

Maximum ambient temperature:	40 °C (104 °F)
Minimum operating temperature:	0 °C (32 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Input voltage:

EU model: AC 220-240V, 50/60Hz 2A

US model: AC 100-120V, 50/60Hz 4A

Power consumption: max. 480W

Power in connector: IEC

DMX: Locking 5-pin XLR

## APPROVALS

CE Compliant

## MECHANICAL SPECIFICATION

Height: 338 mm (13.31")

Width: 351 mm (13.82")

Depth: 490 mm (19.29")

Weight: 31.5 kg (69.45 lbs)

## INCLUDED ITEMS

User Manual

## OPTIONAL ACCESORIES

Professional Haze liquid

## LEGAL

HAZE 500 FT Pro™ is a Trademark of Robe lighting s. r. o.



The Haze 400 FT™ has an internal, maintenance-free air compressor, a sophisticated haze transfer mechanism and a specially designed liquid tank, together with two haze nozzles. It is capable of producing large volumes of virtually invisible haze. The fine translucence and staying power of the haze is even more remarkable because this hazer has no temperature controls, hot air or warm-up times during operation. It's extremely powerful internal compressor is quiet and very efficient. Onboard DMX offers fully flexible control. Haze 400 FT™ Professional Hazer is an elegant combination of ultimate haze quality from a high capacity, low fluid consumption, silent operating machine as demanded by professionals in all sectors.

## Specifications

### MAIN FEATURES

Fluid consumption:	1.1 ml/min
Fluid tank capacity:	2.5 l (0.66 gallon)
Operating time	37 hours at max. output
Output:	2.800 cu.ft./min.

### CONTROL AND PROGRAMMING

Setting & Addressing:	Buttons & DIP switch
Protocols:	USITT DMX-512
DMX Protocol modes:	1
Control channels:	1
Stand-alone operation:	Timer, Manual

### THERMAL SPECIFICATION

Maximum ambient temperature:	40 °C (104 °F)
Minimum operating temperature:	0 °C (32 °F)

## ELECTRICAL SPECIFICATION AND CONNECTIONS

Input voltage:

EU model: AC 220-240V, 50/60Hz 2A

US model: AC 100-120V, 50/60Hz 3.9A

Power consumption: max. 470W

Power in connector: IEC

DMX: Locking 3-pin XLR

## APPROVALS

CE Compliant

## MECHANICAL SPECIFICATION

Height: 319 mm (12.56")

Width: 320 mm (12.60")

Depth: 500 mm (19.69")

Weight: 18.5 kg (40.79 lbs)

## INCLUDED ITEMS

User Manual

## OPTIONAL ACCESORIES

Professional Haze liquid

## LEGAL

HAZE 400 FT™ is a Trademark of Robe lighting s. r. o.



FOG Fluids come in three different types: Standard Fog produces a light fog which disappears quickly, Performance Fog creates a moderately dense and durable fog, Premium Fog produces an extremely dense and very long-lasting fog.

## Specifications

### DESCRIPTION

All fluids are available in five liter tanks

All of the liquids are water-based compositions that leave no oily residue

They are odorless, non-irritating, non-toxic and non-flammable

Professional Haze is a high density oil based liquid for Hazers

All fluids are DEG free

### ORDERING INFORMATION

Standard Fog Liquid:	10980012
Performance Fog Liquid:	10980013
Premium Fog Liquid:	10980014
Professional Haze Liquid:	10980027





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TRANSFERABLE ENGINE



EXCELLENCE, SPECIALITY, STRENGTH

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# product

# LED

**ROBE®**

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All specifications subject to change without notice.