



PROFILE™

PROFILE FS™

ROBE®



Maintaining the absolute colour finesse of Robe's phenomenally successful Multi-Spectral MSL™ LED light engines, the T2 Profile™ produces over 22.000 lumens, measured at the front lens, via its 850 W MSL™ source, to throw their beautiful light further than before.

Incorporating unique, innovative systems and technologies, including:

MSL™ - Multi-Spectral Light source, adjustable CCT from 2.700 K to 8.000 K, CRI 95+, 22.000 lm

DataSwatch™ - Fast selection of the most trusted colours & tones

MCE™ - Split and multicoloured effects created directly from the LED engine

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

EMS™ - Smooth stabilization Pan & Tilt movement system

Cpulse™ - Special flicker-free management for all vision systems

RCC™ - Robe Colour Calibration system with on-call self-recalibration of the LED engine without the use of any external tool

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

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

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

MAPS™ - Motionless absolute positioning system for Pan & Tilt

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

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

The exceptionally quiet T2 Profile™ provides the perfect long-throw partner to the smaller T1, as they both feature the MSL series LED engines, producing identical multi-spectral colour mixing consistency. T2 includes all the features top lighting designers demand. These include fast, easy, CMY colour control; separate +/- green hue control channel; 5°–55° zoom; variable 1° and 5° interchangeable frosts with full zoom range capability; one rotating and one static gobo wheel; animation wheel; two rotating prisms and an innovative framing shutter set.

The variable CCT from 2.700K to 8.000K and tungsten emulation features ensures the T2 Profile™, with its exceptional light quality and control, will fit into any lighting design.

The bigger, brighter, yet quiet & light T2 - requested by the world's top lighting designers, now giving you greater multi-spectral reach.



The Next Step...

ROBE[®]

**850W
MSL™**

MULTI-SPECTRAL
LED LIGHT SOURCE

RCC™
ROBE COLOUR
CALIBRATION
SYSTEM

DATASWATCH™
FAST SELECTION
OF COLOURS
& TONES

CMY
COLOUR MIXING

VARIABLE
CCT
2.700K - 8.000K

CPULSE™
FLICKER
FREE
MANAGEMENT

PROFILE™
PROFILE F

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.



Source

- Light source type: MSL™ 850W 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 2.700K - 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 4.200K (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
- 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
- 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 LumenRadio - 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)
- MAPS™ - Motionless absolute positioning system for Pan & Tilt (Patented) - on request

Static Gobos

- 8x rotating glass gobos
- Image diameter: 25 mm
- Outside diameter: 30.8 mm
- Thickness: 1.1 mm
- Max. thickness: 3.5 mm
- High temperature borofloat or better glass
- Slot & lock system for easy replacement of gobos

Rotating Gobos

- 6x rotating glass gobos
- Image diameter: 25 mm
- Outside diameter: 30.8 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: 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
- Ethernet port out: RJ45 - T2 Profile FS, camera video output

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: T2 Profile™: 36.9 kg (81.4 lbs)
T2 Profile FS™: 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
- Gel frame adaptor: 99016721
- RoboSpot Camera for T2 Profile FS™

Camera (T2 Profile FS)

- 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

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

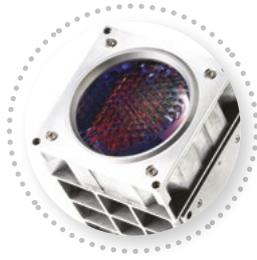
Legal

- T2 Profile™ 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 protected by one or more pending or issued patents

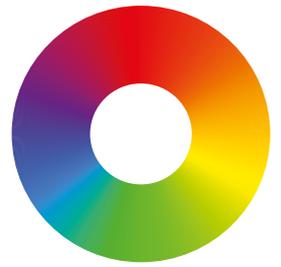


MSL™ Multi-Spectral LED Light source

The new revolutionary MSL™ 850W LED engine (Patented) provides a fixture output reaching 22.000 lumens, high quality spectrum of CRI 95+, adjustable CCT from 2.700K to 8.000K and additive colour mixing with CMY control mode.



CMY Colour Mixing

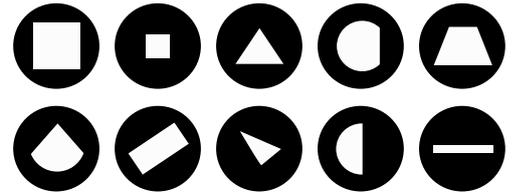


Framing Shutters Module

T2 uses a patented Plano4™ framing shutters module with four blades which can be individually controlled, positioned and angled. The whole module can be rotated + – 60°.



4-Plane Shutter System

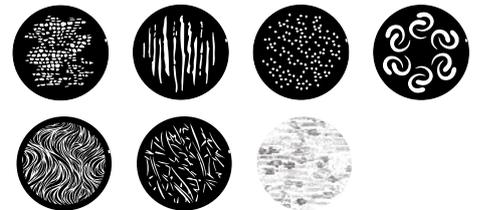


Animation Wheel

Aluminium animation wheel can be used alone or in combination with gobo.



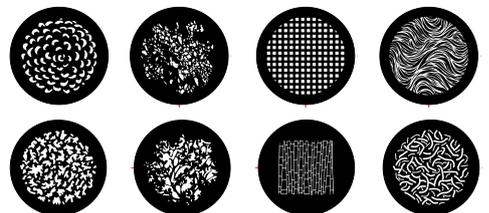
Rotating Gobo Wheel



Gobos

T2 comprises a selection of breakup and aerial gobos designed specifically for theatrical and TV productions.

Static Gobo Wheel



True White Colours

Factory calibrated whites and colours via the new RCC™ Robe Colour Calibration system allow quick direct calling of whites of any colour temperature from 2.700K to 8.000K.



Tungsten effect

The Halogen lamp mode provides emulation of 750W, 1.000W, 1.200W, 2.000W and 2.500W tungsten lamps. The dimmer channel initiates halogen lamp-like behaviour (red effect and thermal delay) for each lamp type during dimming.

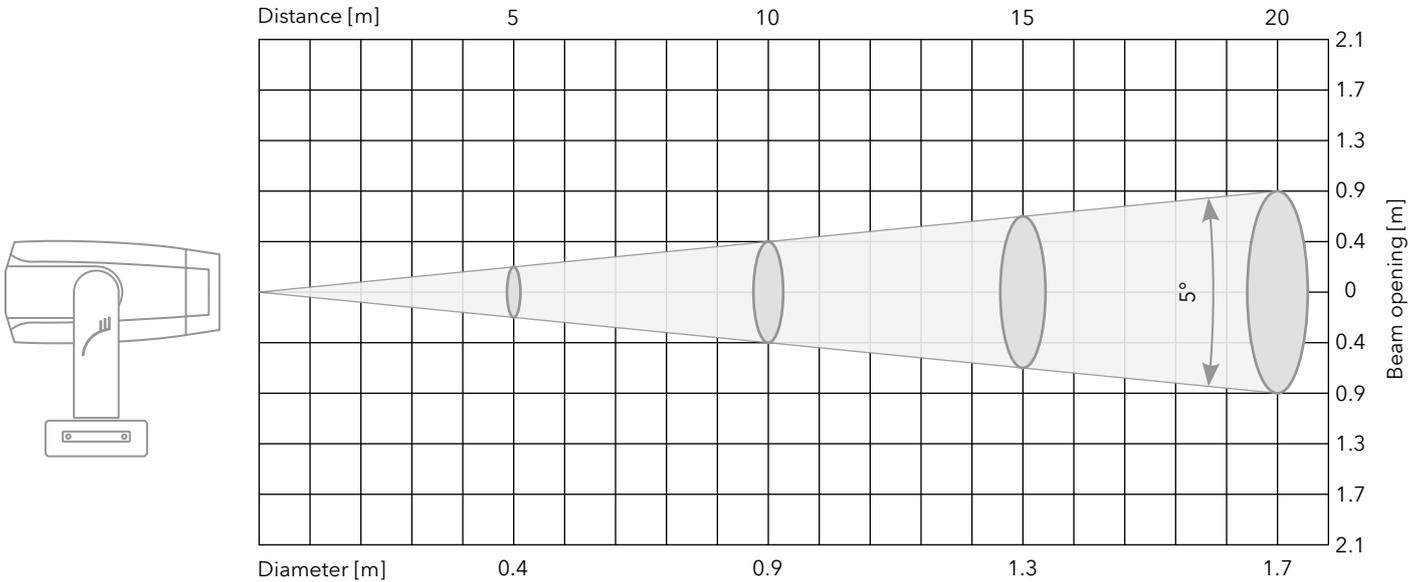


T2 Profile

Photometric report

Beam angle 5° - Min. zoom, CCT 8038K, CRI 78

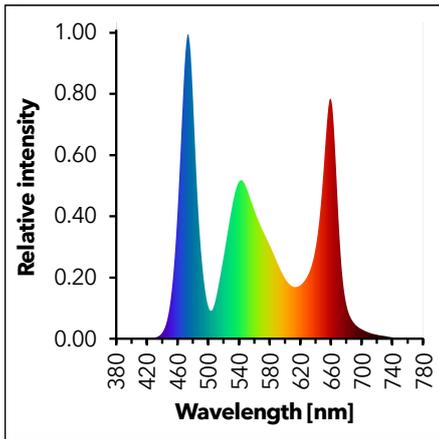
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
5°	9484 lm	8622 lm	1302500 cd	531 W



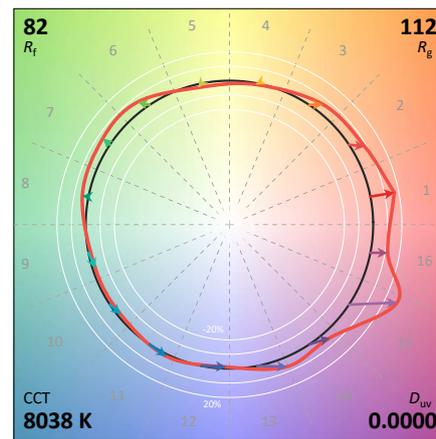
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	52100/4840	13025/1210	5789/538	3256/303	1447/134	814/76	521/48	8622
8000 K	45327/4211	11332/1053	5036/468	2833/263	1259/117	708/66	453/42	7501
5600 K	43807/4070	10952/1017	4867/452	2738/254	1217/113	684/64	438/41	7250
4200 K	38143/3544	9536/886	4238/394	2384/221	1060/98	596/55	381/35	6312
3200 K	31293/2907	7823/727	3477/323	1956/182	869/81	489/45	313/29	5179
2700 K	28134/2614	7034/653	3126/290	1758/163	782/73	440/41	281/26	4656

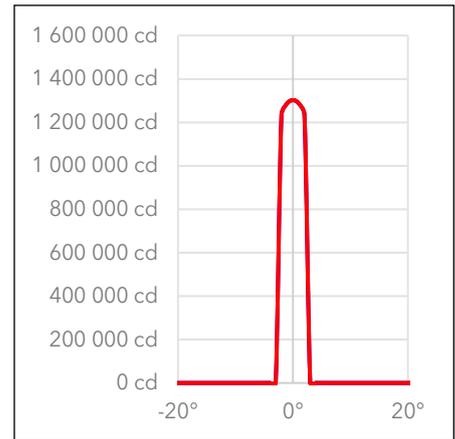
Spectrum



TM-30



Light distribution



Color temperature	CCT	8038
Color Deviation from Black	Duv	0.0000
Color Coordinate CIE 1931	x	0.2948
	y	0.3044
Color Coordinate	u	0.1945
	v	0.3012

Color rendering index	CRI	78
Red component	CRI R9	-43
Color fidelity	TM30 Rf	82
Color gamut	TM30 Rg	112
Television consistency Index	TLCI	60

Fixture settings: DMX mode: 1; Fans: Auto; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam

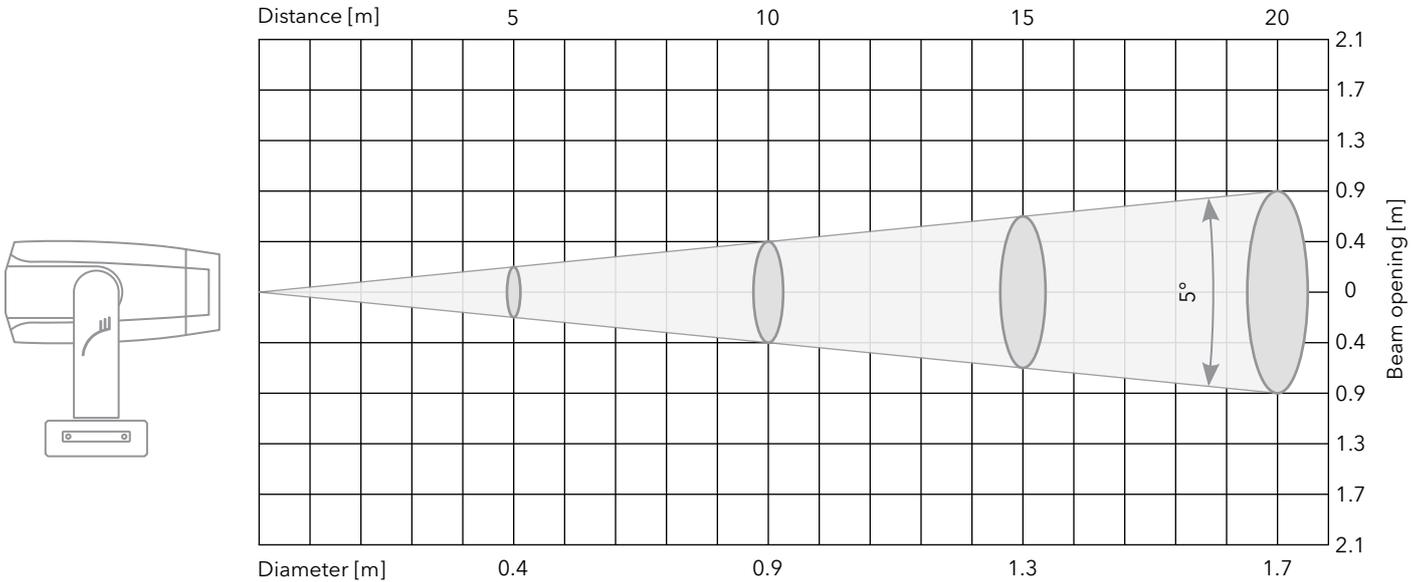
Measurement date: 19.05.2022

T2 Profile

Photometric report

Beam angle 5° - Min. zoom, CCT 8039K, CRI 92

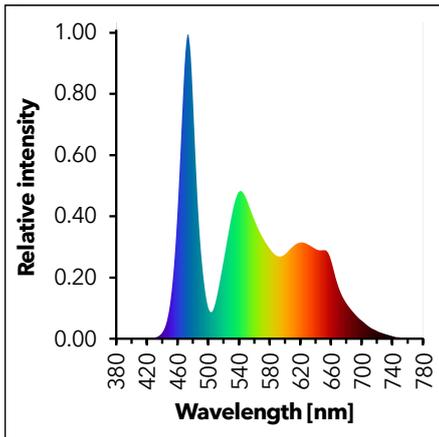
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
5°	5242 lm	4766 lm	719950 cd	331 W



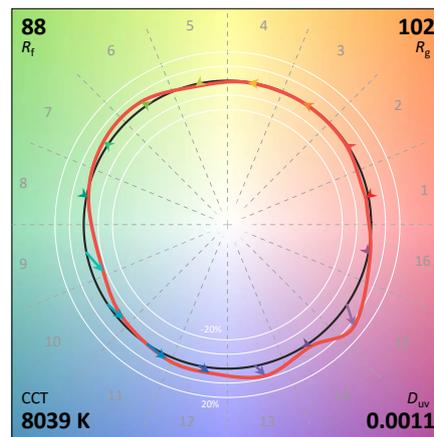
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	28798/2675	7200/669	3200/297	1800/167	800/74	450/42	288/27	4766
8000 K	25054/2328	6264/582	2784/259	1566/145	696/65	391/36	251/23	4146
5600 K	27944/2596	6986/649	3105/288	1747/162	776/72	437/41	279/26	4625
4200 K	26071/2422	6518/606	2897/269	1629/151	724/67	407/38	261/24	4315
3200 K	24056/2235	6014/559	2673/248	1504/140	668/62	376/35	241/22	3981
2700 K	21907/2035	5477/509	2434/226	1369/127	609/57	342/32	219/20	3626

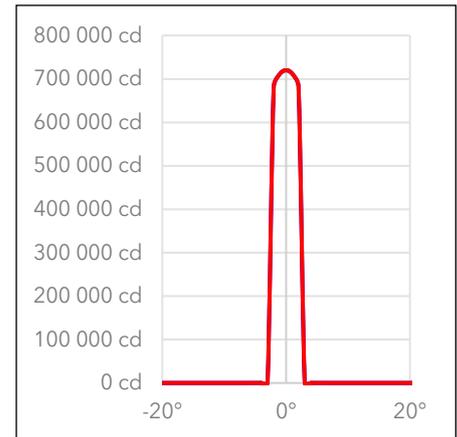
Spectrum



TM-30



Light distribution



Color temperature	CCT	8039
Color Deviation from Black	Duv	0.0011
Color Coordinate CIE 1931	x	0.2943
	y	0.3059
Color Coordinate	u	0.1935
	v	0.3018

Color rendering index	CRI	92
Red component	CRI R9	85
Color fidelity	TM30 Rf	88
Color gamut	TM30 Rg	102
Television consistency Index	TLCI	90

Fixture settings: DMX mode: 1; Fans: Auto; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam

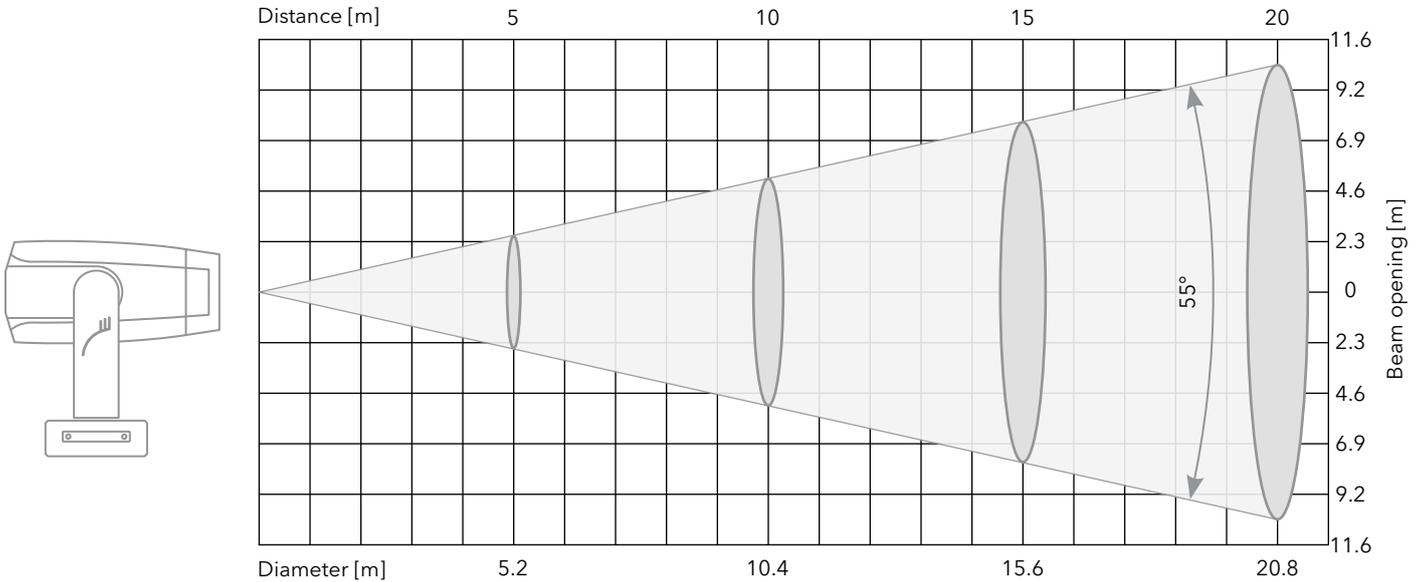
Measurement date: 19.05.2022

T2 Profile

Photometric report

Beam angle 55° - Max. zoom, CCT 8030K, CRI 79

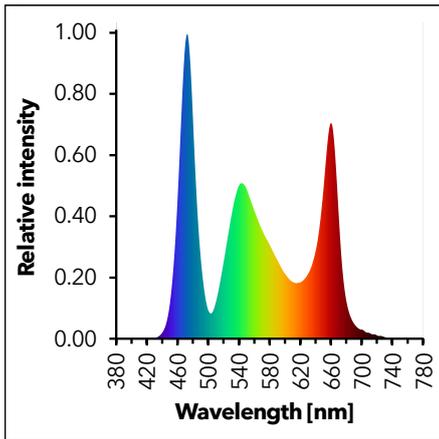
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
55°	22001 lm	17600 lm	27750 cd	531 W



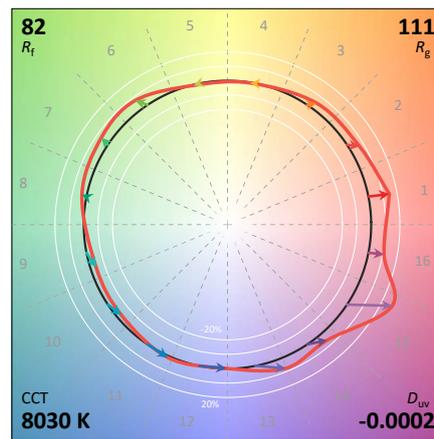
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	1110/103.1	277.5/25.8	123.3/11.5	69.4/6.4	30.8/2.9	17.3/1.6	11.1/1	17600
8000 K	966/89.7	241.5/22.4	107.3/10	60.4/5.6	26.8/2.5	15.1/1.4	9.7/0.9	15317
5600 K	931/86.5	232.8/21.6	103.4/9.6	58.2/5.4	25.9/2.4	14.5/1.4	9.3/0.9	14762
4200 K	810/75.3	202.5/18.8	90/8.4	50.6/4.7	22.5/2.1	12.7/1.2	8.1/0.8	12843
3200 K	668/62.1	167/15.5	74.2/6.9	41.8/3.9	18.6/1.7	10.4/1	6.7/0.6	10592
2700 K	599/55.6	149.8/13.9	66.6/6.2	37.4/3.5	16.6/1.5	9.4/0.9	6/0.6	9498

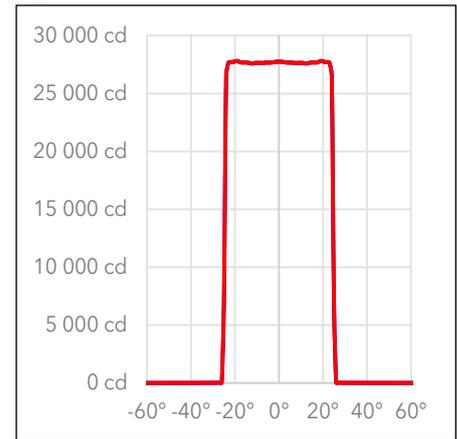
Spectrum



TM-30



Light distribution



Color temperature	CCT	8030
Color Deviation from Black	Duv	-0.0002
Color Coordinate CIE 1931	x	0.2950
	y	0.3042
Color Coordinate	u	0.1947
	v	0.3012

Color rendering index	CRI	79
Red component	CRI R9	-23
Color fidelity	TM30 Rf	82
Color gamut	TM30 Rg	111
Television consistency Index	TLCI	68

Fixture settings: DMX mode: 1; Fans: Auto; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam

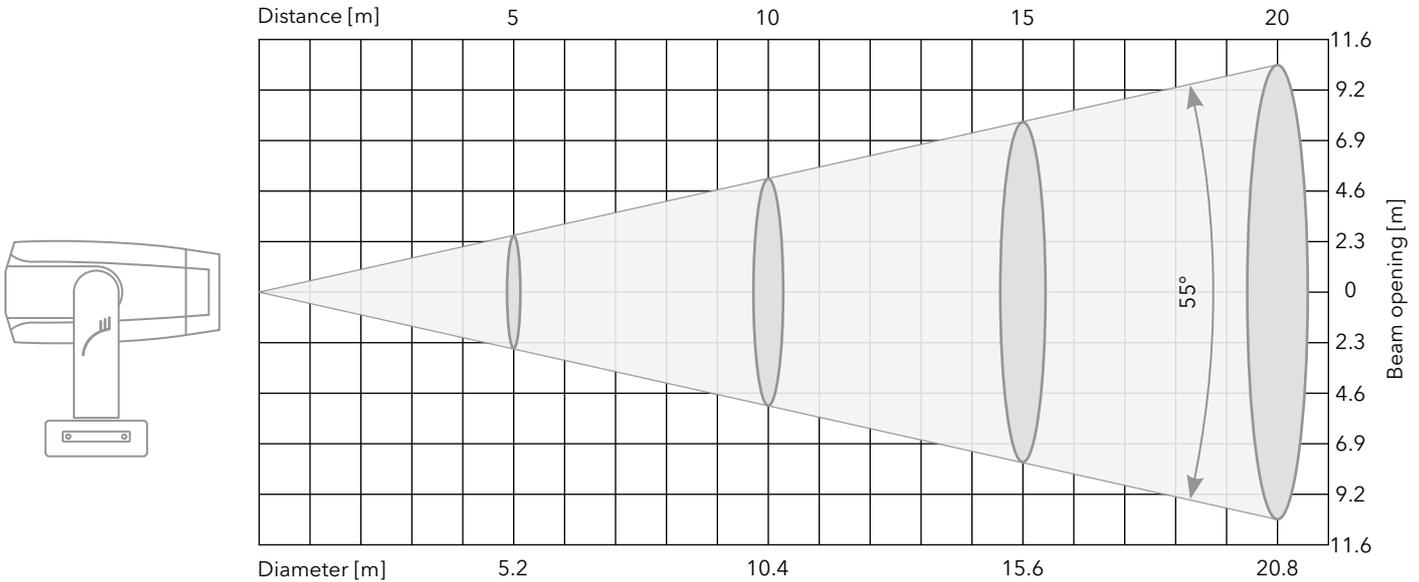
Measurement date: 19.05.2022

T2 Profile

Photometric report

Beam angle 55° - Max. zoom, CCT 8042K, CRI 92

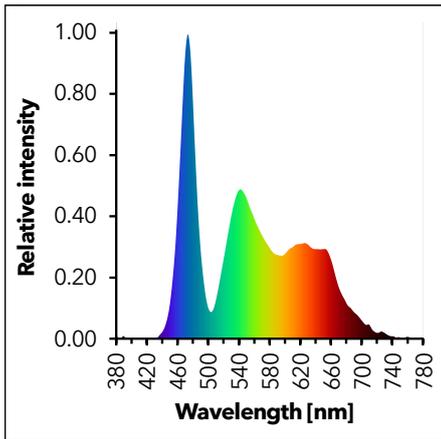
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
55°	12165 lm	9731 lm	15350 cd	331 W



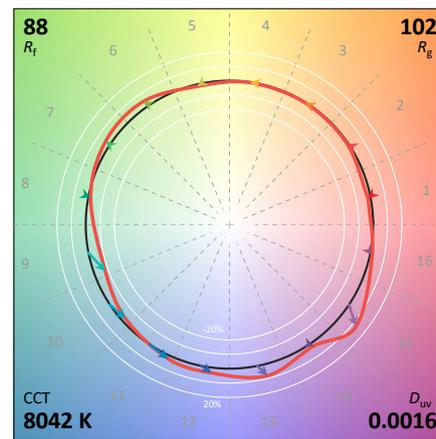
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	614/57	153.5/14.3	68.2/6.3	38.4/3.6	17.1/1.6	9.6/0.9	6.1/0.6	9731
8000 K	534/49.6	133.5/12.4	59.3/5.5	33.4/3.1	14.8/1.4	8.3/0.8	5.3/0.5	8463
5600 K	592/55	148/13.7	65.8/6.1	37/3.4	16.4/1.5	9.3/0.9	5.9/0.5	9382
4200 K	550/51.1	137.5/12.8	61.1/5.7	34.4/3.2	15.3/1.4	8.6/0.8	5.5/0.5	8717
3200 K	508/47.2	127/11.8	56.4/5.2	31.8/2.9	14.1/1.3	7.9/0.7	5.1/0.5	8051
2700 K	465/43.2	116.3/10.8	51.7/4.8	29.1/2.7	12.9/1.2	7.3/0.7	4.7/0.4	7370

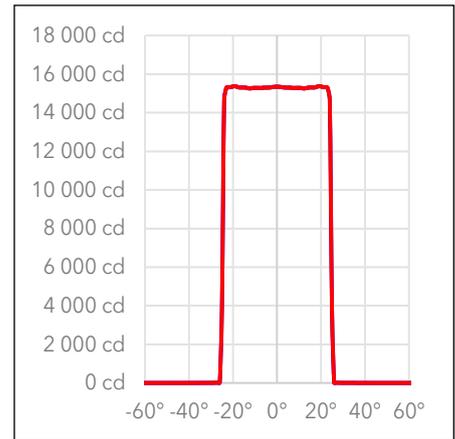
Spectrum



TM-30



Light distribution



Color temperature	CCT	8042
Color Deviation from Black	Duv	0.0016
Color Coordinate CIE 1931	x	0.2940
	y	0.3066
Color Coordinate	u	0.1931
	v	0.3020

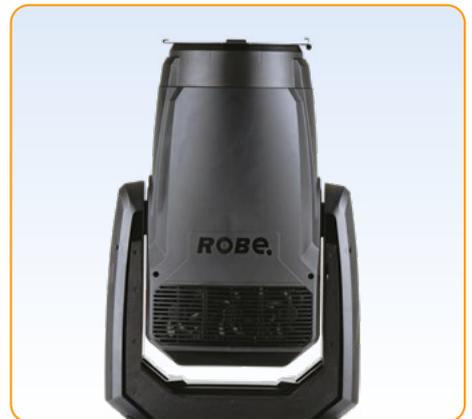
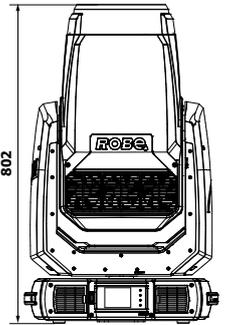
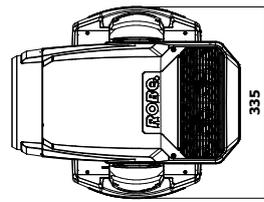
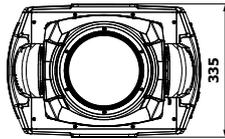
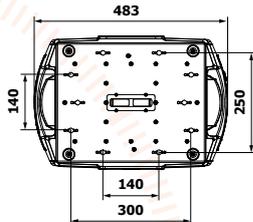
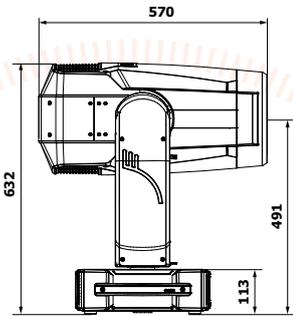
Color rendering index	CRI	92
Red component	CRI R9	85
Color fidelity	TM30 Rf	88
Color gamut	TM30 Rg	102
Television consistency Index	TLCI	90

Fixture settings: DMX mode: 1; Fans: Auto; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam

Measurement date: 19.05.2022



PROFILE™





PROFILE FS™





The evolutionary step²

Packaging

T2 Profile™ / T2 Profile FS™



Exterior dimensions

Cardboard with pallet

590 x 625 x 1090 mm
(23.2" x 24.6" x 42.9")

Single Top Loader Case

790 x 680 x 600 mm
(31.1" x 26.8" x 23.6")

Dual Top Loader Case

790 x 1330 x 600 mm
(31.1" x 52.4" x 23.6")



 **ROBIN**[®]
Innovative Technology

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ROBE[®]

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