

ROBE®

2025

NEW



iESPRITE™ LTL

iSTROBE™

LedPOINT™

T5 PROFILE™

SVB1™

SVOPATT™

VOL. 1

Over 30 Years of Robe Innovation

At Robe, we enjoy looking towards the future, and that's why 'Innovation' is a concept right at the heart of our company and our mission as a fully European-based world-leading designer and manufacturer of moving lights, LED and other lighting technology.

In 2024, Robe celebrated a landmark 30 years since the start of our manufacturing journey, a time during which we have constantly evolved, learnt and grown and advanced progress.

We continue to research, canvas opinion and bring transformative ideas to the table that anticipate and fuel the creative and practical needs of visual designers and of our industry, becoming a true leader of innovation and a developer of smart technical solutions that are implemented across all our product ranges.

All Robe products are designed to offer an outstanding ROI (Return On Investment) with 7 - 10 years of product longevity and sustainability in production. This represents huge value for end-users and investors, and the products also retain high re-sale / second-hand prices.

Patents

Robe's intellectual property and invention is protected by patents, with a minimum of 10 patents being filed every year. Over 20 years, a robust Robe patent portfolio has been established, comprising over 130 patents which are issued or pending in the US, EU and China.

Technology at work

The **iSeries, T-Series and all the TE fixtures are all designed with original new technologies that are changing the way we design and engineer products, enhancing their flexibility for the creative benefit of all.**

The fully weatherised **iSeries** fixtures are great for any outdoor event, concert or performance, while the **T-series** is optimised for theatres, TV productions / camera environments and indoor installations.

Both these series' use Robe's TE (TRANSFERABLE ENGINE) technology – offering fully interchangeable and replaceable LED engines.

R'n'D

Today, Robe's central R'n'D team comprises 55 talented engineers - all experts in their own fields covering mechanical design, optical design, electronic hardware & software design and implementation, electrical systems, heat management, testing and more.

Since the very start, Robe's R'n'D policy has been very strict. Keeping these processes in-house protects our knowledge and intellectual property and guarantees the future of the company and its brands.

Our Team

Teamwork and collaboration are fundamental to our progress, success and story-so-far and we have a truly global outlook.

Approximately 1000 people are employed by Robe across three factories in the Czech Republic, as we have become one of the biggest employers in our region of Wallachia, Moravia, AND across the whole country.

One hundred and fifty plus staff members work across our six subsidiaries in the USA, UK, Germany, France, the Middle East and the Asia Pacific, with another 100 employees engaged in Avolites and Artistic License in the UK and LSC Systems in Australia.

We are committed to investing in people and bringing the best brains in the industry together to work in an inclusive, lively and interesting environment where ideas, motivation and individuality thrive.

New Technologies

We have developed a vast array of groundbreaking new technologies over the years. Here is a snapshot of some of them:

The **Slot & Lock** quick gobo and colour replacement mechanism was one of the first Robe patents.

Another advanced patent is for **smart power distribution** across the LED array. A single colour or two mixed LED colours will get a power boost, then again when three or four colours are mixed together, so they are maintaining the max available power from the PSU.

This patent goes back to the early days of integrating RGB or RGBW single or multichip LEDs.

The **zoom system** for RGBW multichip LEDs is the first real zoom system using the newly developed RGBW multichips.

The **Framing Shutters System** and **Internal Barndoor** module are two more important patents, and these key technologies can be found in almost every Robe Profile or Fresnel/PC fixture.

Our revolutionary **Multi-level Prism** system is protected by three patents which were invented for our Pointe family of products. This great innovation has given beam lights a new dimension of spectacular flower effects of various different shapes.

The **CMY Colour Mixing** system for beam lights is another great invention, because for the Pointe products, the traditional CMY flags were not sufficient to deliver the required precision, so we developed these in response.

The **Multi-Flower effect**, developed for the Spider, Tarrantula and Spikie series, was another unique and new effect generated by the multichip LED, as was the **Zoom mechanism** for Spider and Tarrantula.

TRANSFERABLE ENGINE

TE - TRANSFERABLE ENGINE - technology for white and multispectral LED engines is another real milestone for our industry.

This trail-blazing technology allows LED engines to be replaced or swapped out – in approximately 5 to 7 minutes – for another / or an engine with different characteristics appropriate to the application.

This is covered by several patents and massively implemented across our product ranges increasing flexibility, sustainability, longevity and the viability of many of our products.

Remote Follow-spotting & IP Rating

Robe's **RoboSpot** system was developed for remote follow spot operation – a substantially safer and more versatile option for follow spotting and key lighting in any scenario - which has now become an industry standard.

Robe's **IP65 / 66 solutions** for moving heads involving the controlling, maintaining and management of humidity, temperature and pressure inside the fixtures are also covered by vital patents.

Most recently, six new patents have been issued to protect the technology used in the new laser lightsource iBOLT fixture, with 3 more patents relating to the just-launched SVB1 and SVOPATT products.

Looking Forward

Many more patents and technical solutions are in the pipeline, and this process will continue consistently as product development is constantly evolving, driving the whole team as we bring more innovations to the market.

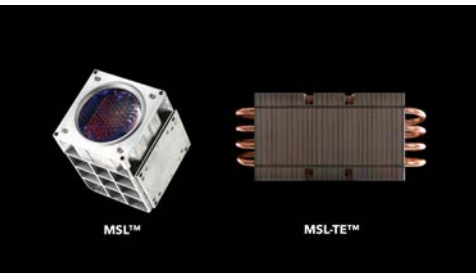
Originality is the foundation and essence of the Robe brand.

Innovative thinking will ensure our future as a relevant engineering and technical force, a creative workplace and an inspirational entertainment technology market leader.



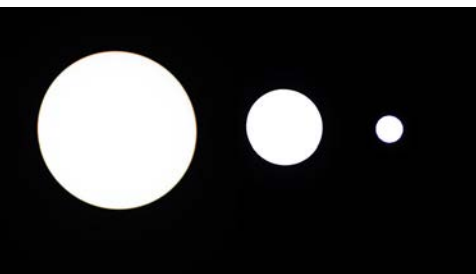
TE™ - Robe's Transferable LED Engines

The TE™ technology addresses the problem of performance longevity of ageing LEDs by making the exchange of the engine a simple procedure that can be carried out in just a few minutes. But transferable means so much more than replaceable! Every TE™ engine has its own, unique memory with all engine data of its usage.



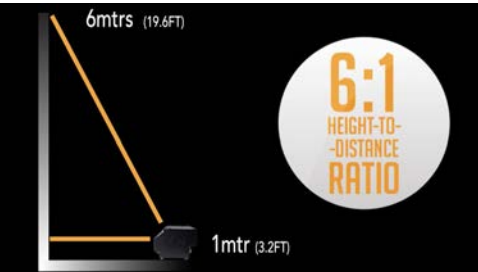
MSL™ - Multi Spectral Light Source

Robe's MSL™ patented LED light engines are specifically designed to consistently deliver the highest quality light through the additive colour mixing method. The MSL™ spreads the emitted light equally throughout the Planck curve, thereby providing the widest possible colour gamut, while simultaneously delivering seamless full range CCT control.



XR7™

Through our highly innovative optical design, we've accomplished stadium-level output and performance with our patented XR7™ optical technology. This technology enables beams of 0.7 - 2° in the iFORTE® LTX, dramatically increasing output while maintaining iris usage at such narrow settings, providing true long-throw capability for your RoboSpot™



Opti-6™

Our industry-leading patented Opti-6™ 6:1 height-to-distance ratio optical design is featured in our T31 and T32 Cyc™ lights. Maintaining a classic asymmetric beam shape, Opti-6™ provides greater reach, smoother coverage, and better homogenization than previously possible, even when positioned close to the cyclorama.



LSW™ Laser Engine Series

The Robe LSW™ White source laser engines utilize hybrid technology, employing laser-excited phosphor to produce high-intensity, incoherent light. This makes them suitable for safe entertainment lighting while being more energy-efficient than traditional technologies, thanks to the superior efficiency of lasers in converting electrical power to light.



parCOAT™

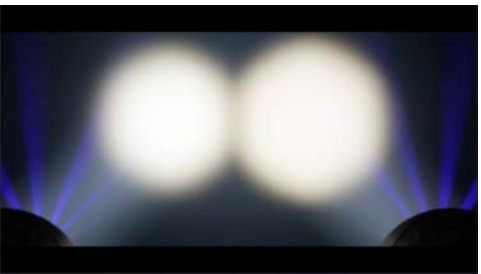
To maintain consistently high lumen output, even with the rigours of outdoor performance, water, dirt, dust, haze, and smoke are repelled from the front lens with our unique parCoat™ hydrophobic, oleophobic resistant coating. Furthermore, it allows easy removal of deposits without scratching or damage.



RLCT™ - Robe lens coating technology

Just like with spectacles, our lens coating technology protects soft plastic lenses against surface scratches, that can even occur during cleaning when scrubbed repeatedly.

Anti-static properties prevent dust build-up on the lenses, thus extending the period between maintenance cleaning.



FW diffusers for pixelated washers

Robe fixtures homogenise beams really well but, for ultimate smoothness, most of our pixelated LED wash lights can easily be fitted with a Fresnel Wash (FW) diffusion filter in-between the LED array and the lenses. They can also be ordered pre-installed if desired, as FW versions.



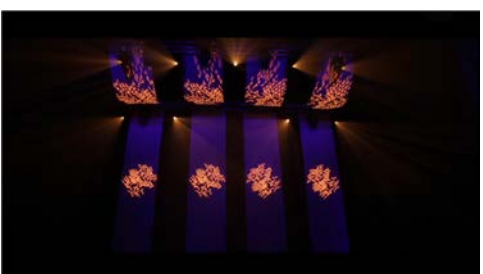
Beam Shaper

Robe's patented motorized Beam Shaper designed for multi-source LED washlights creates a traditional oval beam of ratio 3:1 or 4:1, that can be indexed to cover the desired stage or performance area. A perfect solution for car shows and exhibition stands.



HSL™ - Hot-Spot Lens for LED profiles

By introducing our unique, patented 6:1 ratio hot-spot lens, we alter the field characteristics to create a centre-weighted, peaked beam. By adding a frost filter, you can now effortlessly achieve silky-smooth overlapping washes!



Tungsten Emulation

When selected, the luminaire will mimic the colour temperature of a tungsten lamp as you lower the output to produce that classic warm glow. You can decide the wattage you wish to emulate, such as a 750W, 1.000W, 1.200W, 2.000W and 2.500W lamp.



MLP™ - Multi-level prisms

MLP™ - Patented Multi-Level Prisms allow multiple rotating prisms to be "stacked" while retaining individual position, speed and direction of rotation control. With variable shape and size it creates unlimited dynamic, multi-level flower and beam effects, bringing a whole new collection of eye-popping creativity.



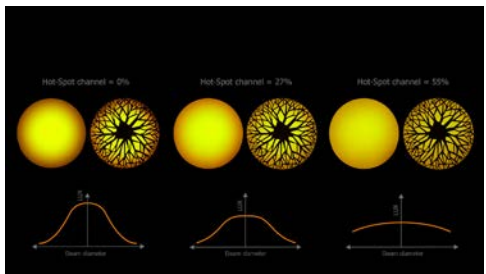
SpektraBeam™

The cutting-edge Robe SpektraBeam™ effects module produces almost indescribable colours, patterns, shapes and effects, elevating your designs to a whole new level of visual impact. This patented technology allows you to split beams into sabre-like shafts and colour individual components, creating never-before-seen skyflower-style in-air effects.



Robe NFC controller and app

The Robe COM application is an app based on NFC (Near Field Communication). It can be used to access to fixture's settings of our NFC-based navigation display systems as well as reading out data of our TE™ TRANSFERABLE ENGINES. App is available for both Android and Apple devices.



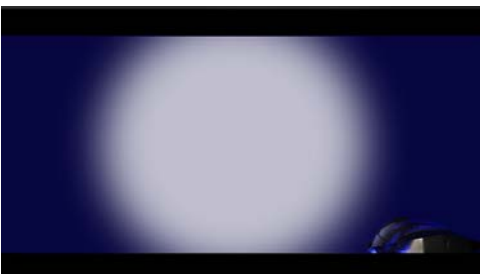
Hot-Spot Control for discharge lamps

Robe's motorized discharge lamp hot-spot control provides remote control of the beams hot-spot via a dedicated hot-spot control channel. A unique solution for long throw beam light applications



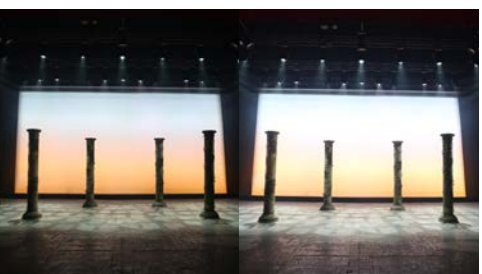
FREM™ - Framing shutter emulation

Robe's innovative framing shutter emulation delivers a variety of beam shaping forms, usually only achievable with framing shutters and beam shapers. By clever use of internal optics, such as the beam aperture size and cylindrical prism, you have control over both the size and rotation of the formed rectangular beam.



ECC™ - Edge Colour Correction

Edge Colour Correction sets Robe wash moving heads aside from other fixtures by providing the ability to shift the edge of the beam to either the red or blue end. This feature allows more or less definition of the internal barndoors cut, as you alter the beam.



VertiSpot™

The unique, patented motorized VertiSpot™ feature provides vertical crossover point control for superior blending and vertical output variance when used from either the top or base of the cyclorama. This capability enables more creative designs and greatly improves efficiency when bounce lighting large areas of cloth or gauze.



POLAR+™

Outdoor fixtures need to operate in extreme cold. Therefore, Robe iSeries™ fixtures contain an innovative POLAR+™ technology - a special standby mode with low power consumption, in which the fixture's sensors and communications channels continue to function. When activated, it's giving instant operability down to minus 50° C!



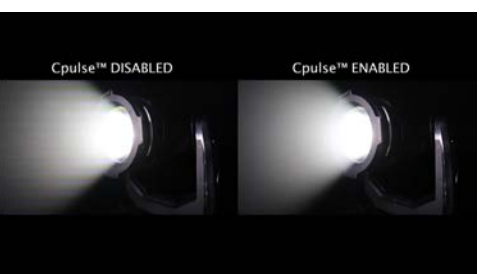
L3™ - Low Light Linearity System

The L3™ Low Light Linearity System produces imperceptible, ultra-smooth fades to black. By super-refining the internal dimmer curve to 18 bit and removing the pitfalls of "steppy" LED dimming, we facilitate the total integration of LED fixtures with existing, traditional, light sources.



REAP™ - Robe Ethernet Access Portal

It allows to access internal data from a networked fixture, viewed as a web page, addressable via the fixtures network IP. The portal provides full access to all the fixture's addressing, set-up and diagnostic functions, including RAINS™ data, even when in DMX mode.



Cpulse™ - Pulse Width Modulation Control

Cpulse™ is a PWM (Pulse Width Modulation) control system for luminaires that allows you to select and fine-tune the LED driving frequency, from either the fixture's onboard display or remotely via DMX. By frequency manipulation in a range from 800 Hz to 25 kHz, you ensure no flicker will be visible on any camera system.



F2L™ - Outdoor Fresnel Lens

To ensure consistently high lumen output despite the challenges of outdoor conditions like water, dirt, dust, haze and smoke, we have developed the patented F2L™ lens. This new design encloses the raised ridges of the annular sections within the fixture to maintain Fresnel beam qualities, while the smooth outer surface prevents debris build-up.



DataSwitch™ - in-built virtual colour library

The DataSwitch™ in-built virtual colour library for Robe LED fixtures provides consistent colour rendering with commonly matched filter ranges, allowing for rapid and accurate programming. The library consists of up to 237 pre-programmed and calibrated colours and tones.



MCFE™ - Multi Coloured Flower Effect

The Robe patented MCFE™ creates sharp, multi-coloured spikes of light, that are fully rotatable in both directions, at variable speeds. The effect is implemented into various Robe fixtures, operating in one or more of their pixels. If the MCFE™ is not in use, the pixels become regular RGBW pixels with identical output to their neighbours.



MCE™ - Split and multi-colour effects

Robe offers unique split or multi-colour effects in two ways on our profiles and spot fixtures adding a whole new blend of creativity to your designs! Generated either via a special split-colour filter or directly from MSL™ multi-spectral LED engine.



+ - Green Correction

Green is a crucial colour for the TV and broadcast industry. To address this, Robe has incorporated a dedicated +/- green control channel in the fixtures featuring MSL™ Multi-spectral LED light sources, utilizing innovative algorithms. This allows precise and consistent adjustments of green content across the light beam.



GDTF – General Device Type Format

The General Device Type Format creates a unified definition for exchange of data for the operation of intelligent luminaires, such as moving lights. The file format is human readable and developed using open source formats.



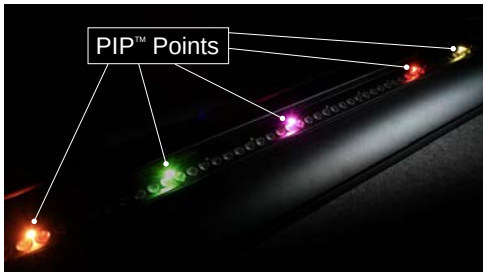
ChromaTint™

Robe's innovative ChromaTint™ software allows direct linear control of green content in our CMY colour-mixing white LED source fixtures. This advancement is particularly significant in the TV and broadcast sectors.



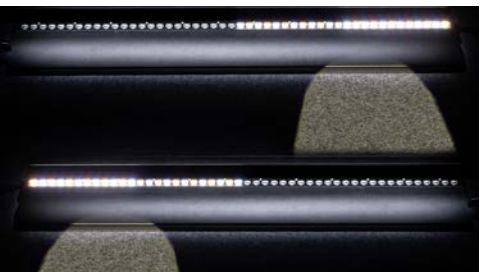
BluMark™

Our Footsie footlight range of fixtures addresses the risk of performers becoming disoriented when the stage goes dark. BluMark™ provides a visual edge-of-stage indication line. Separate from the standard LED array, this line of blue LEDs can be adjusted to any output level, while still providing a clear visual boundary for performers.



PIP™ - Performer Indication Point

Eliminating the necessity for conspicuous stage markings, PIP™ (Performer Indication Point) RGB LEDs, positioned every 10 cm within the fixture offer precise and consistent reference points for performers to locate their positions on stage.



Pixel Follower

Using the zone-controllable FOOTSIE footlight, Pixel Follower integrates with the RoboSpot™ control station to follow a performer, highlighting them like never before. This unique capability, easily set up by the operator from the RoboSpot™ base station, allows designers to synchronize with the follow spot, seamlessly tracking the performer around the stage.



ScanGuard™

ScanGuard™, a patented Robe system, incorporates LIDAR technology to scan the surrounding area, identifying and locking out unsafe zones. When actively scanning during a performance if an object encroaches within a safe working distance, the system automatically cuts the output to prevent accidents.



EasyClean™

Cleaning multiple pixel lenses can be tedious and time consuming. To streamline maintenance and ensure a dust-free environment for the optics, we have developed the patented EasyClean™ lens sandwich system. This innovative design simplifies individual lens removal, cleaning and replacement.



QVGA Robe Touch Screen Display System

The QVGA Robe touch screen display gives full access to all fixture setup and diagnostic functions and is very intuitive to navigate. It comes with battery backup for settings such as an DMX address, even when the fixture is not connected to power, saving a lot of preparation time!



RAINS™ – Robe Automatic Ingress Protection System

The highly advanced patented RAINS™ technology not only prevents ingress. It actively manages a fixture's internal microclimate removing internal moisture build-up caused by constant heating and cooling to provide maximum protection for electronics, revolutionising how outdoor fixtures are managed and protected.



CamFIT™

Designed for rapid transformation from a standard fixture, a fixture equipped with the camFIT™ system is prewired and pre-balanced, ready to accommodate a dedicated IP65-rated RoboSpot™ camera without any hassle.



4Door™ - Internal Barndoors

Robe patented barndoors operate the same way as a conventional external 4-leaf barndoor. The quick, accurate internal 4Door™ barndoor system provides individual position control of the 4 "leaves" and +/- 90° rotation of the complete module assembly.



MAPS™ - Motionless Absolute Positioning System

The innovative and exceptionally accurate Robe patented MAPS™ system provides stationary reset without calibration movement, as sensors calculate their absolute positions. This allows discreet resetting of fixtures during a performance and power cycling of luminaires within confined spaces.



BARS™ - Brake Attribute Retention System

To lock motorised features such as pan, tilt, focus and zoom in position, we have BARS™ – Robe's revolutionary patented technology. Activated and released via your console, BARS™ equipped fixtures remain motionless fixed in place, through unlimited power cycles.



EMS™ - Electronic Motion Stabiliser

The Robe EMS™ system is a technology for precise pan and tilt movements, which reduces vibrations from audio outputs, truss movement and sprung or suspended floors. It allows fast movement with instant stops by removing hysteresis resulting in no beam deviation or shake, therefore removing eye-catching distractions.



AirLOC™ - Less Optical Cleaning

AirLOC™ technology greatly reduces the level of airborne particles drawn over the optical elements in the luminaire. This increases the overall performance, light quality and time between routine cleaning and maintenance.



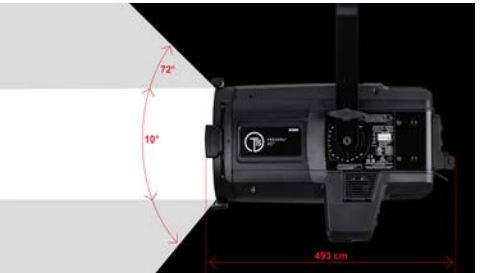
RotaScrip™- Graduated Scrim Control

Found within Robe wash lights, our patented RotaScrip™ control feature allows the removal of distracting hot-spots from the beam where the fixture position is non-perpendicular to the illuminated surface or piece of scenery. The graduated scrim filter smoothly removes eye-catching distractions and makes the projection smooth and even.



SPREAD™

Maximising versatility while removing distracting direct viewing of LEDs in our FOOTSIE footlight fixtures the patented SPREAD™ system (Shield Protection, Reflection Elimination and Diffusion) can be stored within the fixture housing or deployed into position. With FOOTSIE™ Slim this is available as a separate attachment.



ZoomStat™

The ZoomStat™ motorized zoom system reduces both external optical element movement and internal optical disturbances, thereby enhancing light transmission, colour consistency and beam quality throughout the optical chain. By keeping the front lens fixed, the system prevents particle ingress and minimizes distracting visual movements.



M-CEC Multi-Chamber

Fixtures with stationary mixing chambers and motorized zooms often cause shadows and reduced output. We solve this issue with the innovative M-CEC (Multisource Central Extended Combination) system. This compact, quiet design synchronizes chamber and zoom movement, ensuring shadowless output without light loss.



Epass™

Robe lighting's Epass™ provides Ethernet in/out connections with a pass-through switch that sustains Ethernet integrity when the fixture has no power to automatically maintain network connectivity.



Slot & Lock Gobos

Robe's patented Slot & Lock system allows for easy and fast replacement of both rotatable and indexable gobos. The rotating gobos also have markings for proper alignment and accurate indexing to make the gobo replacement easy and precise.



MagFrost™

There is no need to be stuck with frosts supplied with the fixture! Robe's MagFrost™ magnetic paddle system provides you with quickly exchangeable frosts, enabling you to select those most suitable for your production. 0.5°, 1°, 3.5°, 5°, 10°, 20° and 30° frosts are available.



Plano4™ Framing shutters

Robe's patented Plano4™ 4-blade framing shutter module offers unparalleled beam control with individual movement and rotation control for each blade. The Plano4™ FC module features full curtain movement, allowing each blade to move entirely across the light path for full-wipe capability.



Hyper-Z

Complicated designs demand innovation. No more so is this true than the pioneering linear strobe zoom found within the iSTROBE™. Containing the first linear strobe zoom control available, it opens new design possibilities. The transformative Hyper-Z linear zoom, with 98x14° to 125x97° reach encompasses linear versatility not previously possible.



Full Travel Frost

Our state-of-the-art optical and mechanical engineering enables seamless integration of frosts and prisms throughout the entire zoom range, from the narrowest to the widest settings. These effects are precisely positioned without unintended changes, maintaining exceptional precision and versatility across the entire zoom span.



ScreenPix™

ScreenPix™ elevates visual impact with precise RGB control across each fixture display screen! With intuitive control macros, ScreenPix™ unlocks a new dimension of vibrant, dynamic effects by turning the display into an additional light source. Each screen features twelve pixel zones for creating stunning, customized visuals.



FadeSync™ - Motorized Fader Synchronisation

FadeSync™ backlit motorized faders feature RGB LEDs to assign functions such as zoom, dimmer or CCT and their backlit colour. In manual mode the faders synchronise their position with rear fixture encoders to avoid unwanted changes of the controlled features.



Inspired by the award-winning iFORTE® LTX WB, the smaller and lighter iESPRITE WashBeam combines iSERIES durability with next-generation performance, delivering unmatched versatility for concerts, theatre, and broadcast—indoors or outdoors.

With exceptional form, optical precision with an imposing 200mm front lens and rich feature set, the iESPRITE® LTL WB delivers high performance in a compact 37 kg fixture.

Powered by patented, IP65-rated iSE-TE™ 750W White LED TRANSFERABLE ENGINES, it offers two options: the XP engine for maximum brightness with a 6.700K colour temperature, 35.000 lm output, and 250.000 lx at 5 m (CRI 70), or the HCF engine for superior color rendition with a 6.000 K temperature, 22.750 lm output, and 140.000 lx at 5 m (CRI 96). Both deliver stable output, field exchangeability, and upgradable LED capability, backed by a 4-year/20.000-hour warranty and a 50.000-hour L70/B50 rating.

The innovative optics provide remarkable versatility, with a zoom range of 3° - 57° (2° - 52° with iris) or ultra-tight beams from 0.7° - 2° using patented xR7™ technology. The CMY colour mixing system, dual colour wheels, and variable CTO (3.000 - 6.700K) allow seamless transitions, while ChromaTint™ ensures rapid green content adjustments for broadcasts.

Packed with effects, it includes rotating/static gobos, an animation wheel, two stackable six-facet prisms, MagFrost™ filters (1° and 5°), and precision framing with the PLANO4™ FC system. Advanced features like L3™ 18-bit dimming, Cpulse™ flicker-free management, and Epass™ network connectivity ensures smooth, reliable operation.

Prepped for RoboSpot™ with camFIT™, EMS™, and MAPS™ technology, it offers unparalleled follow-spot control. The RAINS™ system protects against moisture, while parCoat™ lens coating repels dirt and haze. POLAR+™ technology ensures operation in temperatures as low as -50°C, and REAP™ with NFC enables remote adjustments even when unpowered.

The iESPRITE® LTL WB combines power, precision, and durability for indoor and outdoor use, delivering exceptional Robe quality performance.

Robe - reliability in all weathers.



Technical Specification

Source

- Light source type: TE™ 750W XP White LED Engine (Patented)
 - XP - Xtra Performance Engine for maximum light output and optimal colour characteristics
 - LED Engine output: 57.000 lm
 - Fixture total lumen output: 35.000 lm (integrating sphere), 27.500 lm (goniophotometer)
 - Colour temperature output: 6.700 K
 - CRI: 70, remotely selectable filters for CRI 80 and CRI 90
 - Illuminance: 250.000 lx @ 5 m
- Light source type: TE™ 750W HCF White LED Engine (Patented)
 - HCF - High Colour Fidelity Engine for the best light quality and colour reproduction
 - LED Engine output: 37.000 lm
 - Fixture total lumen output: 22.750 lm (integrating sphere), 17.900 lm (goniophotometer)
 - Colour temperature output: 6.000K
 - CRI: 97, TLCI: 97, TM-30-18 Rf: 92, TM-30-18 Rg: 99
 - Illuminance: 140.000 lx @ 5 m
 - 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
- High-efficiency 13-lens zoom optical system, ratio: 19:1
- Zoom range: 3° - 57° (standard optical range), 2° - 57° (using optical zoom + iris), 0.7° - 2° (long throw mode)
- Output lens diameter: 200 mm
- parCoat™ (particle resistant coating) unique hydrophobic and oleophobic coating helps prevent water, dirt, dust, haze and smoke from adhering to the output lens

Dynamic Effects and Features

- Cyan, Magenta, Yellow: 0 - 100%, Variable CTO: 3.000K - 6.700K
- Colour Wheel 1 & 2: 5 fixed dichroic colours + white
- ChromaTint™ - Patented plus / minus green correction function
- Full curtain framing shutters: Patented Plano4™ framing shutters module with 4 individually positionable blades plus rotation of the complete framing system +-60°
- Static gobo wheel: 9 static and replaceable gobos + open
- Rotating gobo wheel: 7 rotating, indexable and replaceable
- Animation wheel: Aluminium animation wheel, used alone or in combination

with gobos, rotating in both directions at variable speed

- Prism 1 & 2: Independent 6 facet linear & 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
- Motorised zoom and focus
- Electronic strobe effect with variable speed up to 20 Hz
- 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.
- Extremely quiet operation suitable for all types of production in Theatre and TV
- POLAR+™ for power saving and instant operation in extremely cold weather conditions
- xR7™ eXtreme Reach Follow Spot technology enables you to achieve unprecedented light levels, even the narrowest beam angle of 0.7 degrees
- CamFit™ Prewired for later camera installation

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
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity
- 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
- DMX Protocol modes: 1, Control channels: 53
- Pan & Tilt resolution: 16 bit
- CMY & CTO: 8 bit, + - Green correction: 8 bit

- Colour wheel positioning: 8 or 16 bit
- Static gobo wheel positioning: 8 or 16 bit
- Rotating gobo wheel positioning: 8 bit
- Gobo indexing & rotation: 8 or 16 bit
- Animation wheel and rotation: 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: 16 bit (internal 18 bit)

Movement

- Pan movement: 540°, Tilt movement: 270°
- 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 and Tilt (Patented)

Electrical Specification and Connections

- Power consumption: max. 950 W
- DMX and RDM data in/out: IP65 Locking 3-pin & 5-pin XLR connectors
- Ethernet port out: IP65 RJ45 - camera video output
- Ethernet port in/out: IP65 RJ45, for Embedded Epass™ switch 10/100 Mbps
- USB connector (series C) for lightmaster purposes



Mechanical Specification

- Weight: 37 kg (86 lbs), Ingress protection rating: IP65

Legal

- iESPRITE® LTL WB is Registered Trademark of Robe lighting s. r. o.
- iESPRITE® LTL WB is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents



Illuminate your beat like never before with the ultra-modern, intensely dynamic Robe iSTROBE™. Built to deliver blazing stroboscopic brilliance, this all-environment-protected powerhouse ensures exceptional performance for any production, anywhere.

With incredible speed and continuous pan and tilt rotational control, including individual timing, the iSTROBE™ features EMS™ (Electronic Motion Stabiliser) technology for instant stops and the most dynamic movement on the market.

Equipped with 16 x 60W RGBW and 72 x 20W White Strobe LEDs, the iSTROBE™ delivers an unmatched visual presence. Strobe control allows flash durations from 13-860 ms with variable rates ranging from 0.3 - 30 Hz, giving you precise control over every beat and burst of light.

For ultimate show impact, the High Intensity Blinder feature adds 1000W of warm white and amber LEDs, generating intense effects in the 1.800K - 3.200K range with tungsten emulation of lamps from 750W to 2.500W.

Featuring two independent 13-95° standard zooms for the RGBW zones, the fixture provides both bright washes and intense beam of light. The iSTROBE™ features the first linear strobe zoom control available! Opening new vistas for lighting designers, the transformative Hyper-Z™ linear zoom, with 98x14° to 125x97° reach encompasses rapid, linear versatility not previously possible!

The iSTROBE™ also provides individual zonal control for the 12 white strobe and 16 RGBW pixels, offering variable speed control and limitless combinations using its comprehensive set of protocols. Advanced features include DataSwatch™ onboard color library; variable CCT 2.700K - 10.000K and 6.500K fixed; +/- green content control and Cpulse™ on screen flicker removal.

Designed to excel in any environment, the IP65-rated iSTROBE™ incorporates Robe's patented RAINSTM active protection system and POLAR+ standby technology, ensuring peak performance even in extreme temperatures down to -50°C, all within its 30 kg frame.

iSTROBE™ - ultra-modern strobing for today and beyond.



Technical Specification

Source

- Light source type: 16 x 60W RGBW LED multichips and 72x 20W White strobe LEDs
- LED life expectancy: min. 40 000 hours
- Typical lumen maintenance: 70% @ 40 000 hours

Optical System

- Highly efficient component optics
- Zoom range: White strobe LEDs: 98°x 14° - 125°x 97°
- Fixture total lumen output: 134.000 lm (integrating sphere), 107.000 lm (goniophotometer)
- Illuminance: 9.200 lx @ 5m
- RGBW LED multichips: 13° - 95°
- parCoat™ (particle resistant coating) unique hydrophobic and oleophobic coating helps prevent water, dirt, dust, haze and smoke from adhering to the output lens
- Hyper-Z™ linear zoom encompasses linear versatility not previously possible

Dynamic Effects and Features

- Colour mixing mode RGBW or CMY
- Zone control: 2x RGBW LEDs zones: 8 + 8 pixels, 1x White LED zone: 12 pixels
- White light:
 - RGBW zones: Variable CCT 2.700K - 10.000K
 - White zone: Variable 1.800K - 3.200K and fixed 6500K
 - + - Green correction function
- 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 1.800K to 3.200K (red shift and thermal delay)
- Strobe duration: 13 - 860 ms, Strobe rate: 0.3 - 30 Hz
- Strobe effect: Ramp up, ramp down, ramp up-down, random flash, single flash, Lighting, Spikes, Double flash, Tripple flash, Quad Flash, Burst flash Rnd
- Individual zone strobe effect with variable speed
- 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.
- POLAR+™ for power saving and instant operation in extremely cold weather conditions

- Pre-programmed show & visual effects: (synchronized for multiple fixtures) police, fire, flashlights, sunset, sunrise

Control and Programming

- Setting & Addressing: ROBE Navigation System 3 (RNS3)
- 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, RDMartNet, MA Net, MA Net2, sACN, Kling-Net
- REAP™ - Robe Ethernet Access Portal
- RAINST™ (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
- 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
- DMX Protocol modes: 5, Control channels: 32, 44, 64, 106, 140
- RGBW / CMY: 8 or 16 bit (internal 18 bit)
- Pan & Tilt resolution: 16 bit
- Variable CCT: 8 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
- Controllable speed of Pan & Tilt movement
- MAPS™ - Motionless absolute positioning system for Pan and Tilt (Patented)
- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Electrical Specification and Connections

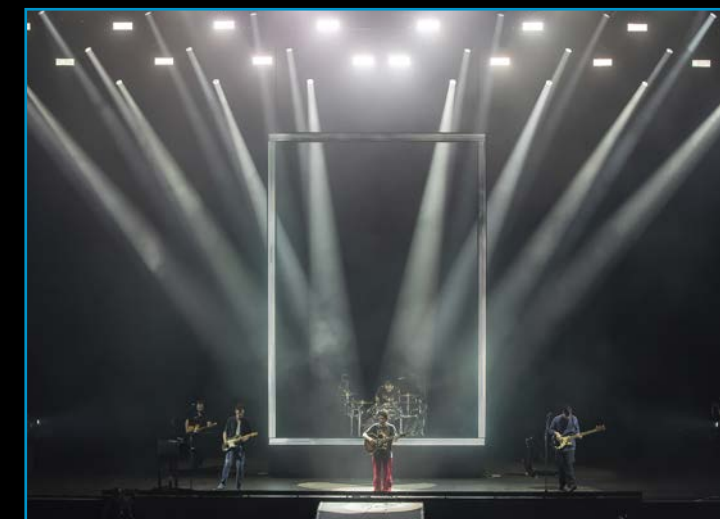
- Power consumption: Max. 1350 W
- Power connector in: IP65 Neutrik powerCON TRUE1
- DMX and RDM data in/out: IP65 Locking 3-pin & 5-pin XLR connectors
- Ethernet port in/out: IP65 RJ45, for Embedded Epass™ switch 10/100 Mbps

Mechanical Specification

- Rugged aluminium housing
- Weight: 30 kg (66.1 lbs)
- Ingress protection rating: IP65

Optional Accessories

- Single Top Loader Case, Dual Top Loader Case, Doughty Trigger Clamp, Safety wire 36 kg, Foam Shell



Legal

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



Can a classic be miniaturized without compromising performance? Introducing the T.5 Profile™ – the latest member of the Robe T-Series, offering all the features loved by theatre and broadcast professionals in a more compact form.

In response to high demand for a smaller version of the renowned T1 Profile™, the T.5 Profile™ delivers the same top-tier performance, from advanced controls to its powerful, nuanced output.

Powered by a 350W MSL™ Multi-Spectral light source, the T.5 Profile™ delivers rich, precise colour with an impressive 7.500lm output and a seamless CCT range of 2.700-8.000K, extendable up to 10.000K. You'll also enjoy virtual CRI control (80-95) and linear green content adjustment, giving you total control over every shade.

Beam control is razor-sharp thanks to our patented Plano4™ system, featuring four independent shutter planes and 120-degree module rotation. Each blade offers full curtain ability, providing precision and increased flexibility.

Despite its smaller size, the T.5 is packed with familiar features, including a 5°-55° zoom range for shorter throws, a rotatable and indexable gobo wheel with replaceable gobos, iris, animation wheel, and interchangeable MagFrost™ filters for visual effects. The multi-6-facet prism further enhances dynamic imagery.

Designed for the most noise-sensitive environments, the T.5 incorporates innovative noise-reduction technology, comprehensive fan control, and our Robe AirLOC™ system, which keeps key components cool while reducing surface airflow noise and minimizing the need for frequent optical cleaning.

Technologies like Cpulse™ flicker-free management, EMS™ stabilization, and onboard RCC™ colour calibration ensure flawless performance, whether in the spotlight or on camera.

With the T.5 Profile, you get the power, control, and versatility of the T1, now in a lighter, more agile 20.5 kg design.

T.5 Profile™ – Experience performance without compromise.



Technical Specification

Source

- Light source type: MSL™ 350W 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: up to 7.500 lm
- Output lens diameter: 130 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 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)
- Full curtain framing shutters: Patented Plano4™ framing shutters module with 4 individually positionable blades plus rotation of the complete framing 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 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)

- Motorised 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.

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

Electrical Specification and Connections

- Power consumption: max. 480 W
- 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 (instead of 3-pin XLR) for Embedded Epass™ switch 10/100 Mbps - on request

Mechanical Specification

- Weight: 20.5 kg
- Ingress protection rating: IP20

Legal

- T.5 Profile™ is a Trademark of Robe lighting s. r. o.
- T.5 Profile™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents





Are you in search of a small, lightweight, high-impact lighting fixture that gives you an edge over the competition? Look no further! Introducing the eye-catching SVB1TM effect, beam, and wash luminaire!

This versatile, compact powerhouse, built on the heritage of its SVOPATTTM lineage, delivers high output and extreme speed with continuous pan and tilt rotation, ensuring a captivating performance for your audience.

Equipped with seven individual 40W RGBW LED cells and a central pixel featuring both RGBW and a powerful 20 x 10W White strobe LEDs, the SVB1TM offers full pixel mapping capabilities for unlimited creative looks and effects, boasting an impressive 11.000 lm output.

Helping to maintain this high level of performance, the RLCTTM lens coating protects against scratches and scuffs while preventing particle adhesion, ensuring your optics stay cleaner for far longer.

The SVB1TM stands out with its motorized zoom range, offering precise 3.8° beams to expansive 50° washes, all while operating with remarkable quietness. Its rapid speed and wide coverage are further enhanced by the fixture's 360° continuous pan and rotation capabilities, making it an impressive choice for any lighting setup.

With a choice of RGB or CMY colour mixing modes, a variable CCT range from 1.700K to 20.000K, an onboard DataSwatchTM colour library with 66 preset colours, and tungsten lamp emulation, the SVB1TM provides a comprehensive colour control set.

Designed for noise-sensitive environments, the SVB1TM operates at an ultra-quiet 18 dB(A) in quiet mode due to its advanced cooling technology and noise dampening design. Along with CpulseTM software for on-screen flicker removal and +/- green content control, this luminaire is ideal for studio environments.

A multitude of modes and protocols, including ArtNet and sACN, ensures easy pixel mapping. Network communication is streamlined with REAPTM (Robe Ethernet Access Portal), while the EpassTM Ethernet pass-through switch maintains connectivity even when the fixture is powered off.

Weighing just 7.2 kg, the compact and feature-packed SVB1TM offers exceptional speed, accuracy and punch, making it the perfect enhancement for any performance!

SVB1TM - Enhancing your Impact!



Technical Specification

Source

- Light source type: 7 x 40W RGBW multichips and 20 x 10W White strobe LEDs
- 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 13:1
- Zoom range: 3.8° - 50°
- Diffusion filter imbedded
- Fixture total lumen output:
11.000 lm (integrating sphere)
8.600 lm (goniophotometer)
- Illuminance: 17.500 lx @ 5 m
- RLCTTM Innovative lens coating technology
- M-CECTM (Multisource Central Extended Combination) system. This compact, quiet design synchronizes chamber and zoom movement, ensuring shadowless output without light loss

Dynamic Effects and Features

- Colour mixing mode RGBW or CMY
- + - Green correction function
- Individually controllable Strobe LED zone
- Individual control of each RGBW pixel
- White light: Variable CCT 1.700K - 20.000K
- DataSwatchTM 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)
- Motorised exceptionally quiet zoom
- High resolution electronic dimming: 0 - 100%
- Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects
- L3TM - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black
- CpulseTM special flicker-free management for HD and UHD cameras, ready for 8K and 16K
- ScreenPixTM - Elevates visual impact with multi-zone RGB control across each fixture display screen - all with intuitive macro control

Control and Programming

- Setting & Addressing: ROBE Navigation System 3 (RNS3)
- 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
- REAPTM - Robe Ethernet Access Portal
- Wireless CRMXTM technology from Lumen Radio - On request
- EpassTM: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - On request
- DMX Protocol modes: 3
- Control channels: 28, 61, 58
- RGBW / CMY: 8 or 16 bit
- Pan & Tilt resolution: 8 or 16 bit
- Zoom: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Movement

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

Electrical Specification and Connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: Max. 330 W
- Power connector in/out: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 5-pin XLR connectors
- Ethernet port in/out: RJ45, for Embedded EpassTM switch 10/100 Mbps - On request

Approvals

- CE Compliant
- cETLus Compliant

Mechanical Specification

- Weight: 7.2 kg (15.87 lbs)
- Ingress protection rating: IP20

Rigging

- Universal operating position, Safety cable attachment point

Optional Accessories

- Doughty Trigger Clamp, Safety wire 36 kg, Wireless DMX external module, Single Top Loader Case, Quad Top Loader Case, Eight Pack Top Loader Case, Foam Shell



Legal

- SVB1TM is a Trademark of Robe lighting s. r. o.
- SVB1TM is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents



Iconic Luminaires are instantly recognisable in the lighting world. As a proudly Czechia based manufacturer, we pay homage to the past, bringing you a new icon, the SVOPATT™.

Transforming into the modern age, you cannot fail to make an impact with the SVOPATT™ both as a scenic element and a source of captivating effects. With nine individual modules each containing 7 x 40W RGBW multichips and the centre pixel also containing 20 x 10W White strobe LEDs, the fixture generates over 75.000 lm (integrating sphere). You have a source worthy of its lineage.

Helping to maintain this high level of performance, the RLCT™ lens coating protects against scratches and scuffs while preventing particle adhesion, ensuring your optics stay cleaner for far longer.

With a multitude of modes and protocols, including ArtNet and sACN ensuring easy pixel mapping; a choice of RGB or CMY colour mixing modes; variable CCT range from 1.700K to 20.000K; onboard DataSwatch™ colour library with 66 preset colours, and tungsten lamp emulation, the SVOPATT™ provides a comprehensive colour control set.

Each individual module contains a noise-dampened motorized zoom. With a range of 3.8° - 50° you can create tight beams or wide washes from each individual module.

Designed for noise-sensitive environments, the SVOPATT™ operates at an ultra-quiet 18 dB(A) in quiet mode due to its advanced cooling technology and noise dampening design. Along with Cpulse™ software for on-screen flicker removal and +/- green content control, this luminaire is ideal for studio environments.

Network communication is streamlined with REAP™ (Robe Ethernet Access Portal), while the Epass™ Ethernet pass-through switch maintains connectivity even when the fixture is powered off. To maintain the characteristic look of the original, an external power supply is included.

SVOPATT™ - New era for the iconic luminaire



Technical Specification

Source

- Light source type: 9 modules of 7 x 40W RGBW multichips and 20 x 10W White strobe LEDs
- 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 13:1
- Zoom range: 3.8° - 50°
- Fixture total lumen output: 75.000 lm (integrating sphere) 58.500 lm (goniophotometer)
- Illuminance: 118.000 lx @ 5 m
- RLCT™ Innovative lens coating technology
- M-CEC™ (Multisource Central Extended Combination) system. This compact, quiet design synchronizes chamber and zoom movement, ensuring shadowless output without light loss

Dynamic Effects and Features

- Colour mixing mode RGBW or CMY
- + - Green correction function
- 9 individually controllable Strobe LED zones
- Individual control of each RGBW pixel
- White light: Variable CCT 1.700K - 20.000K
- 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)
- Motorised exceptionally quiet zoom
- High resolution electronic dimming: 0 - 100%
- 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
- Cpulse™ special flicker-free management for HD and UHD cameras, ready for 8K and 16K

Control and Programming

- Setting & Addressing: ROBE Navigation System 3 (RNS3)
- 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
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity
- DMX Protocol modes: 4
- Control channels: 21, 124, 286, 384
- RGBW / CMY: 8 or 16 bit
- Zoom: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Movement

- Pan movement: Manual
- Tilt movement: Manual

Electrical Specification and Connections

- SVOPATT™ Driver
- Power supply: Electronic auto-ranging
- Input voltage range: 200-240 V, 50/60 Hz
- Power consumption: Max. 2400 W
- Power connector in: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 5-pin XLR connectors
- Ethernet port in/out: RJ45, for Embedded Epass™ switch 10/100 Mbps
- Power connector out: Amphenol connector SVOPATT™
- DMX and RDM data in: Locking 5-pin XLR connector
- Power connector in: Amphenol connector

Mechanical Specification

- Weight SVOPATT™: 37,3 kg (82.2 lbs) SVOPATT™ Driver: 6,5 kg (14.3 lbs)
- Ingress protection rating: IP20

Rigging

- SVOPATT™: 2x Omega bracket (top and bottom) 2x Safety cable attachment point Can be merged to a wall of light SVOPATT™ Driver: 1x Omega bracket 1x Safety attachment point

Optional Accessories

- Doughty Trigger Clamp, Omega Adaptor CL-regular 2 pcs, Single Top Loader Case, Dual Top Loader Case



Legal

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



Now is the perfect time to transition from traditional discharge lamp based all-in-one luminaires to energy efficient, long lasting, low maintenance LED fixtures. Our LedPOINTE® is effect packed, with all the features, innovation and superior performance you would expect to see from Robe, delivering a stand-out experience in LED Spot, Beam, Wash and FX technology.

LedPOINTE® utilizes an advanced TE™ 280W XP (Xtra Performance) White LED TRANSFERABLE ENGINE, delivering an impressive 196.000 lx at 5 m distance. The L70 rating of 50.000 hours proves this high-performance engine offers exceptional durability.

Designed for eye-catching visual versatility, LedPOINTE® features a 155mm front lens with a 2:1 beam hot-spot ratio and flexible 1.8° - 44° zoom range, ideal for all applications.

Enjoy fast, smooth fixture movement with continuous pan rotation, and with patented EMS™ (Electronic Motion Stabilizer) software, achieve instant stopping precision, eliminating unwanted shake or hysteresis.

The CMY colour mixing system allows effortless transitions from pastels to deep saturates, complemented by a 13-color wheel. The DataSwatch™ library provides instant access to essential colours and calibrated whites (2.700K, 3.200K, 4.200K, 5.600K, 8.000K) for quick programming.

This luminaire boasts an impressive effects array, including two gobo wheels: one with 9 rotating gobos and a second with 11 static gobos, all selected for maximum impact. Two MagFrost™ magnetic paddles offer 1° and 5° frosts, with other options available. Two Prism wheels expand the effects with Robe's patented MLP™ Multi-Level Prism system. The first wheel includes a 6-facet linear and 18-facet radial prism, while the second wheel's patented SpektraBeam™ effects engine creates mesmerizing, vivid, splintered beams, with an additional 8-facet radial prism for added dimension.

Further innovations include L3™ (Low Light Linearity) dimming, Cpulse™ Pulse Width Modulation control, and AirLOC™ cooling technology to minimize optical cleaning needs and optimize performance.

Packed with features in a compact 21 kg design, LedPOINTE® redefines LED all-in-one fixtures with superior Spot, Beam, Wash and effect capabilities.

LedPOINTE® - Spot, Beam, Wash and FX superiority



Technical Specification

Source

- TE™ 280W XP White LED Engine (Patented)
- XP - Xtra Performance Engine for maximum light output and optimal colour characteristics
- LED Engine output: 19.300 lm
- Fixture total lumen output: 11.750 lm (integrating sphere)
9.400 lm (goniophotometer)
- Colour temperature output: 6.700 K
- CRI: 70
- Illuminance: 168.000 lux @ 5 m
- Illuminance (beam reducer): 200.000 lux @ 5m
- 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: 2:1 hot-spot
- Zoom range: 1.8°- 44°
- Output lens diameter: 155 mm

Dynamic Effects and Features

- Cyan, Magenta, 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: 11 gobos + open
- 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 wheel 1: Independent 6 facet linear prism rotating in both directions at variable speed and Independent 18 facet circular prism rotating in both directions at variable speed
 - Prism wheel 2: SpektraBeam effect rotating in both directions at variable speed and Independent 8 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
- Motorised zoom and focus
- Pre-programmed random strobe & pulse effects
- Dimmer: 0 - 100%
- DataSwatch™ filters: pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K

- 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.
- SpektraBeam™ - Paradigm-shifting patented effects engine. See it to believe it. The true, monumental breakthrough in effects modules

Control and Programming

- Setting & Addressing: ROBE Navigation System 3 (RNS3)
- 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
- 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: 1, Control channels: 38
- Pan & Tilt resolution: 8 or 16 bit
- Colour wheel positioning: 8 or 16 bit
- Rotating gobo wheel positioning: 8 bit
- Static gobo wheel positioning: 8 bit
- Gobo indexing & rotation: 8 or 16 bit
- Prism indexing & rotation: 8 bit
- Frost: 8 bit, Zoom: 8 or 16 bit
- Focus: 8 or 16 bit, Dimmer: 8 or 16 bit

Movement

- Pan movement: 540° with continuous rotation control
- 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)

Electrical Specification and Connections

- Power consumption: 400 W at 230 V / 50 Hz
- 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

Mechanical Specification

- Weight: 21 kg (46.30 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 & Tilt transport locks, Safety cable attachment point

Optional Accessories

- Frost 0.5°, 1°, 3.5°, 10°, 20°, 30°, Doughty Trigger Clamp, Safety wire 36 kg, Single Top Loader Case, Dual Top Loader Case, Quad Top Loader Case, Foam Shell

Legal

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





Catering to broadcast, film, and theatrical professionals seeking compact yet powerful manual wash luminaires, the T15 Fresnel™ and T15 PC™ join the acclaimed Robe T-Series as indispensable tools.

Designed for studios, theatres and other performance spaces, the T15 fixtures maintain the renowned T-Series MSL™ Multi-spectral light quality.

Powered by the MSL-TE™ 350W LED TRANSFERABLE ENGINE, they deliver 11.960 lumens through their 200mm front lenses, offering identical color characteristics, responses, and control as other T-Series luminaires. TRANSFERABLE ENGINES ensure light quality, cost-efficient updates, and extended fixture lifespan.

The T15 Fresnel™ and T15 PC™ deliver soft Fresnel or defined PC wash beams, with an exceptional 7.2:1 10-72° motorized zoom range. The ZoomStat™ system keeps optics enclosed, protecting the lens from particles and removing distraction.

With CMY, RGB or individual RGBAL emitter control, calibrated whites, tungsten emulation, and a CCT range from 2.700K to 8.000K, the T15 ensures precise colour performance. High TLCI, TM30-18 ratings, and virtual CRI (80-95) ensure excellent skin tone rendering. The L3™ Low Light Linearity 18-bit dimming software provides imperceptible fades with various dimmer curve options.

T15 supports network control or stand-alone operation, featuring backlit faders for direct zoom, intensity and other control. Fan settings cater to noise-sensitive environments, while AirLOC™ reduces residue deposits for cleaner optics and quieter operation.

The BARS™ system locks zoom settings remotely, through unlimited power cycles. Cpulse™ flicker-free software and plus/minus green channel control ensure suitability for TV and film applications. The rapid-change front lens system allows swift transformation into a Fresnel or PC, maximizing flexibility.

Accessories available include four- and eight-leaf barndoors, and a pole-op kit.

T15 Fresnel™ and T15 PC™ – Perform with confidence.



Technical Specification

Source

- Light source type: MSL-TE™ 350W LED Engine (Patented)
- 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: 4 years or 20.000 hours

Optical System

- Robe's proprietary optical design
- Profile zoom lens system
- High-efficiency zoom optical system, ratio 7.2:1
- Zoom range: 10° - 72°
- Fixture total lumen output: 11.958 lm (integrating sphere)
9.566 lm (goniophotometer)

- Output lens diameter: 200 mm
- Optional PC and Fresnel zoom lens systems

Main Features

- Colour mixing: CMY/RGB or RGBAL
- White light: Variable CCT standard range 2.700K - 8.000K, extended range 1.800K – 10.000K
- 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+
- Motorised 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
- Dimmer profile selection: Linear, Square law, Super 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.
- BARS™ - Brake Attribute Retention System (Patented) applied for Zoom stepper motors

- ZoomStat™ – Patented zoom system that incorporates a stationary front Fresnel or PC lens, boasting an impressively wide beam angle exceeding 70°
- FadeSync™ - Motorized Fader Synchronisation

Control and Programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Display: 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: 6
- Control channels: 20, 10, 24, 7, 2, 1
- 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)

Electrical Specification and Connections

- Power consumption: Max. 440 W
- Power connector in/out: Neutrik powerCON TRUE1 in/out
- 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

Mechanical Specification

- Weight: 12 kg (26.45 lbs)
- Ingress protection rating: IP20

Rigging

- Mounting horizontally or vertically via mounting yoke, Mounting points: M12 bolt, Safety cable attachment point

Optional Accessories

- TE™ 350W Multi-Spectral / TGW White / DL White / TW White LED Engine, Doughty Trigger Clamp, Wireless DMX external module, Safety wire 36 kg, T15 PC lens module, Incline Adaptor, Mounting bracket – short, Gel Frame, Pole operated yoke, 4-leaf & 8-leaf Barndoor module, Floor stand, Upgrade kit EPASS, Single Top Loader Case, Dual Top Loader Case, Foam Shell

Legal

- T15 Fresnel™ is a Trademark of Robe lighting s. r. o.
- T15 Fresnel™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents





The iSpiderX® is the pinnacle of high-performance outdoor lighting, merging robust design and innovative IP65-rated RAINS™ protection for festivals, concerts, and harsh environments. Built from premium materials in a sleek 19 kg frame, this fixture endures all weather conditions with ease.

The iSpiderX® houses 18x40W RGBW and 1 x 60W LED multichip sources, matching the core specs of the original Spider®. Its 12.5:1 zoom system provides a versatile 4° beam to 50° wash range with full pixel mapping capability. At its heart is the patented MCFE™ (Multi-Coloured Flower Effect), creating vivid, rotating light spikes for an impressive visual impact.

Making things easier, the fixture is engineered with a patented EasyClean™ lens sandwich system, simplifying iSpiderX® maintenance while the non-reflective front lens minimizes distractions.

For smooth colour management, the DataSwatch™ library offers 66 premixed colours. A variable CTO from 2.700K – 8.000K, tungsten emulation and +/- green control provide additional colour management.

Equally at home in subtle theatrical scenarios L3™ dimming software ensures seamless fades to black.

The iSpiderX®'s Cpulse™ Pulse Width Modulation system prevents on-screen flicker, essential for advanced camera setups, with noise dampening measures make it perfect all noise sensitive environments.

For all-weather reliability, the RAINS™ system actively monitors and manages internal humidity, temperature, and pressure, removing moisture to protect its micro-climate. A self-pressure test alerts users to faulty replacement cover issues. In extreme cold, the power- saving POLAR+™ standby technology keeps the internal temperature stable, enabling operation down to -50°C.

With NFC technology, the Robe Com app provides setup and diagnostics directly from mobile devices, even without power. REAP™ software enables Ethernet-based remote monitoring, and CRMX wireless DMX and Epass™ Ethernet maintain network connectivity making it ideal for remote outdoor installations.

Compatible with all control protocols—DMX, sACN, and Kling-Net—the iSpiderX® also supports dynamic video effects via pixel mapping, setting a new standard for outdoor lighting in Robe's iSeries.

iSeries – Robe reliability in all weathers



Technical Specification

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
- RLCT™ Innovative lens coating technology
- EasyClean™ - newly designed and patented lens sandwich system for easy cleaning and time saving maintenance of the lenses

Dynamic Effects and Features

- Colour mixing mode RGBW or CMY
- Individual control of each RGBW pixel
- White light: Variable CCT 2.700K - 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
- MCFE™ - Multi-Coloured Flower Effects – creating spectacular multicolour beam effects in the air rotating in both directions at variable speed (Patented)
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and direction
- 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
- POLAR+™ for power saving and instant operation in extremely cold weather conditions

Control and Programming

- Setting & Addressing: ROBE Navigation System 3 (RNS3)
- 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, 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
- 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
- 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

Electrical Specification and Connections

- Power consumption: max. 660 W
- 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

Mechanical Specification

- Weight: 19 kg (41.88 lbs)
- Ingress protection rating: IP65

Legal

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



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