NEWS

VOL.3

2025

ROBE



iESPRITE LTL

iPAINTE LTM

T3 PROFILE™

T5 PROFILE™

SVO CLASSIC PATT

iESPRITE® LTL WB

iESPRITE® LTL FS



Inspired by the award-winning iFORTE® LTX WB, the smaller and lighter iESPRITE LTL 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 37.5 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 260.000 lx at 5 m (CRI 70), or the HCF engine for superior colour 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° – 57° 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 broadcast users.

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.

Light source
iSE-TE™ 750W XP White LED Engine (Patented)

Zoom range
3° - 57° (Standard optical range)
2° - 57° (Optical zoom + iris)
0.7° - 2° (Long-Throw mode)

Light output
Fixture total output: 35.000 lm
Illuminance: 260.000 lx @ 5 m

Effects
CMY colour mixing, Two colour wheels, Full curtain framing shutters, Static and Rotating gobo wheels, Iris, Animation wheel, Two combinable rotating prisms, Two frosts, Motorised zoom and focus













Technical Specification

Source

- Light source type: iSE-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: 260.000 lx @ 5 m
- Light source type: iSE-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° (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 FC™ 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
- UpLift™ - To ease handling, clip on UpLift handles are designed to ease the burden. Handles are easily attached and removed, greatly easing carrying and lifting of larger fixtures.

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: 8 bit, Animation wheel 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°
- 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
- MAPS™ - Motionless absolute positioning system for Pan and Tilt (Patented)

Camera

- Type: XNZ-L6320A
- Resolution: 1920 × 1080, 16:9 Full HD (1080p) resolution support
- Zoom: 32× optical zoom, 32× digital zoom
- Vision: Day & Night (ICR), WDR (120dB), Defog
- Streaming: H.264, MJPEG dual codec, Multiple streaming
- Minimum illumination: 0.05 Lux
- parCoat™ (particle resistant coating) unique hydrophobic and oleophobic coating helps prevent water, dirt, dust, haze and smoke from adhering to the output lens

Electrical Specification and Connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: max. 950 W
- Power connector in: Neutrik powerCON TRUE1
- 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

- Height: 760 mm (29.92") - head in vertical position
- Width: 458 mm (18.03")
- Depth: 289 mm (11.37") - head in vertical position
- Weight: 37.5 kg (82.7 lbs)
- Ingress protection rating: IP65

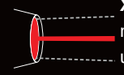
Legal

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

Innovations

TRANSFERABLE ENGINE

TE™ 750W White LED TRANSFERABLE ENGINES - XP Xtra Performance 6.700K engine for maximum light output and optimal colour characteristics with CRI 70 (CRI 80/90 remotely selectable filters) **HCF** High Colour Fidelity 6.000K engine for best light quality and colour rendition with CRI 97



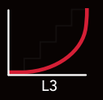
XR7™ - Patented Long throw mode technology delivers an ultra-tight 0.7°-2° beam without any intensity loss, typically seen with an engaged iris



NFC - Near Field Communication technology via the Robe Com app allows access to fixture set up and diagnostics without power, directly from your mobile device



Polar+™ - Low power standby mode ensuring instant fixture readiness in extreme cold, down to -50° C



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



REAP™ - Robe Ethernet Access Portal allows access to internal fixture data when connected to a network, viewed as a web page



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



GDTF – General Device Type Format - a standardized file format for exchanging intelligent luminaire data in a readable, open-source format



MAPS™ - Motionless absolute positioning system for Pan & Tilt. It provides stationary reset without calibration movement. This allows discreet resetting of fixtures during a performance and power cycling of luminaires within confined spaces.



EMS™ - Patented ultra-smooth stabilization Pan & Tilt movement system enables fast movement and instant stops by eliminating fixture hysterisis, ensuring no beam deviation or shake



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



Epass™ - Ethernet pass-through switch that preserves Ethernet integrity even when the fixture is powered off, ensuring continuous network connectivity



MagFrost™ - Magnetic paddle fast change system providing exchangeable frosts containing as standard a light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even washes



Plano4 FC™ - Framing shutters module of 4 individually positionable blades with full curtain ability, plus 120° rotation of the complete framing system



CamFit™ - Pre-wired and pre-balanced, the fixture is designed to accommodate a dedicated IP65-rated RoboSpot™ camera



RAINS™ - Robe Automatic Ingress Neutralization System actively regulates the fixture's internal microclimate, removes moisture, monitors temperature and pressure, ensuring optimal protection and simplified maintenance



ChromaTint™ - Advanced single-channel green content control for White LED light sources using CMY colour systems, ensuring precise adjustments evenly across the entire beam.



ParCoat™ - Hydrophobic and oleophobic coating repells dirt, dust, haze residue and water ensuring consistent lumen output, and effortless deposit removal without scratching



UpLift™ - To ease handling, clip-on UpLift handles are designed to ease the burden. The handles are easily attached and removed, greatly easing carrying and lifting of larger fixtures.











iPAINTE® LTM WB

Don't be fooled by its size, the diminutive iPAINTE® LTM punches way above its size and weight. This little powerhouse will never fail to amaze with its power, precision and effects display. Taking up little space on your truss, its capable of making big statements!

With 170mm front lens, combining exceptional optical quality together with a comprehensive feature set, this 30 kg kg fixture maximizes WashBeam flexibility and performance from its compact frame.

The innovative optical design offers remarkable versatility. With its 170mm front lens and 2:1 field ratio, the iPAINTE® LTM enhances optical flexibility with a zoom range of 3°- 52°, narrowing the iris allows coverage from 2°- 52°. In Long-Throw Mode, using patented XR7™ technology, its provides ultra-tight beams from 0.7°-2°, incredibly without any intensity loss usually found when engaging an iris.

An IP65-rated iSE-TE™ 500W White XP (Xtra Performance) LED TRANSFERABLE ENGINE generates an impressive 160.000 lx at 5 m. Built for longevity, TRANSFERABLE ENGINE technology offers field exchangeability, a 50.000-hour L70/B50 rating, and a 4-year, 20.000-hour warranty. Data harvesting ensures instant engine performance data and history, even when the engine is stored on a shelf, via the Robe Com app.

CMY colour mixing, colour wheel, a variable CTO (3.000-6.700K), and ChromaTint™ green content control ensure flawless colour generation, transitions and control, whatever the shade you desire.

Packed with effects—one static and one rotating fully indexable gobo wheels; rotating prism, MagFrost™ 1° and 5° interchangeable frosts, and the PLAN04 FC™ full-curtain framing system with 120° module rotation—the luminaire offers a multitude of designer effect and beam control options.

Advanced features include L3™ 18-bit dimming; Cpulse™ flicker-free management, and Epass™ pass-through switching for network connectivity protection.

Other features include EMS™ stabilization for instant stop capability; MAPS™ motionless calibration for discreet power cycling without movement, and RAINS™ internal active microclimate management for maximum all environment protection. The parCoat™ lens coating repels water and dirt, while POLAR+ standby mode ensures functionality down to -50°C.

Remote control and network monitoring are enabled via REAP™ and NFC control for mobile device adjustments.

The iPAINTE® LTM WashBeam delivers exception workhorse WashBeam performance, built to excel in any environment.

iPAINTE® LTM WB - Robe reliability in all weathers

Light source
iSE-TE™ 500W XP White LED Engine (Patented)

Light output
Fixture total output: 23.000 lm
Illuminance: 160.000 lx @ 5 m

Zoom range
3° - 52° (Standard optical range)
2° - 52° (Optical zoom + iris)
0.7° - 2° (Long-Throw mode)

Effects
CMY colour mixing, Colour wheel, Full curtain framing shutters, Static and Rotating gobo wheels, Iris, Animation wheel, Two combinable rotating prisms, Two frosts, Motorised zoom and focus





Technical Specification

Source

- Light source type: iSE-TE™ 500W XP White LED Engine (Patented):
  - XP - Xtra Performance Engine for maximum light output and optimal colour characteristics
  - LED Engine output: 46.400 lm
  - Fixture total lumen output:
    23.000 lm (integrating sphere)
    18.500 lm (goniophotometer)
  - Colour temperature output: 6.700 K
  - CRI: 70, remotely selectable filters for CRI 80 and CRI 90
  - Illuminance: 160.000 lx @ 5 m
- Light source type: iSE-TE™ 500W HCF White LED Engine (Patented):
  - HCF - High Colour Fidelity Engine for the best light quality and colour reproduction
  - LED Engine output: 30.200 lm
  - Fixture total lumen output:
    15.000 lm (integrating sphere)
    12.000 lm (goniophotometer)
  - Colour temperature output: 6.000K
  - CRI: 97, TLCI: 97, TM-30-18 Rf: 92, TM-30-18 Rg: 99
  - Illuminance: 128.000 lx @ 5 m
- LED life expectancy: min. 50.000 hours
- Colour temperature: 6.500K
- 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: 17:1
- Zoom range: 3° - 52° (Standard optical range), 2° - 52° (Optical zoom + iris), 0.7° - 2° (Long-Throw mode)
- Output lens diameter: 170 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%
- Virtual CTO: 3.000K - 6.700K
- Colour Wheel: 9 dichroic filters + 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: 8 gobos + open
- Rotating gobo wheel: 7 rotating, indexable and replaceable breakup and aerial gobos + beam reducer + open, patented slot & lock system
- Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
- MLP™ - Patented Multi-Level Prisms allow multiple prisms to be „stacked" while retaining individual speed and direction control. With variable shape and size it creates unlimited dynamic, multi-level flower and beam effects:
  - Prism 1 & 2: Independent 6-facet linear & ciruclar 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
- HSL™ - Hot-Spot Lens for LED profiles: from flat field to 6:1 hot-spot (optional)
- 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
- UpLift™ - To ease handling, clip on UpLift handles are designed to ease the burden. Handles are easily attached and removed, greatly easing carrying and lifting of larger fixtures.

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 2 editable programs (each up to 80 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: 51
- Pan & Tilt resolution: 16 bit
- CMY & CTO: 8 bit
- + - Green correction: 8 bit
- Colour wheel positioning: 8 or 16 bit
- Rotating gobo wheel positioning: 8 bit
- Gobo indexing & rotation: 8 or 16 bit
- Animation wheel: 8 bit
- Animation wheel 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°
- 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
- MAPS™ - Motionless absolute positioning system for Pan and Tilt (Patented)

Electrical Specification and Connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: max. 750 W
- Power connector in: Neutrik powerCON TRUE1
- 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

Approvals

- CE Compliant, cETLus Compliant

Mechanical Specification

- Height: 699 mm (27.5")
- Width: 408 mm (16.1")
- Depth: 257 mm (10.1")
- Weight: 29.9 kg (63.9 lbs)
- Ingress protection rating: IP65

Rigging

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

Included Items

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

Optional Accessories

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

Legal

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

Innovations

TE™ 500W White LED TRANSFERABLE ENGINES - **XP** Xtra Performance 6.700K engine for maximum light output and optimal colour characteristics with CRI 70 (CRI 80/90 remotely selectable filters) **HCF** High Colour Fidelity 6.000K engine for best light quality and colour rendition with CRI 97

XR7™ - Patented Long throw mode technology delivers an ultra-tight 0.7°-2° beam without any intensity loss, typically seen with an engaged iris

NFC - Near Field Communication technology via the Robe Com app allows access to fixture set up and diagnostics without power, directly from your mobile device

Polar+™ - Low power standby mode ensuring instant fixture readiness in extreme cold, down to -50° C

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

REAP™ - Robe Ethernet Access Portal allows access to internal fixture data when connected to a network, viewed as a web page

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

GDTF – General Device Type Format - a standardized file format for exchanging intelligent luminaire data in a readable, open-source format

MAPS™ - Motionless absolute positioning system for Pan & Tilt. It provides stationary reset without calibration movement. This allows discreet resetting of fixtures during a performance and power cycling of luminaires within confined spaces.

EMS™ - Patented ultra-smooth stabilization Pan & Tilt movement system enables fast movement and instant stops by eliminating fixture hysterisis, ensuring no beam deviation or shake

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

Epass™ - Ethernet pass-through switch that preserves Ethernet integrity even when the fixture is powered off, ensuring continuous network connectivity

MagFrost™ - Magnetic paddle fast change system providing exchangeable frosts containing as standard a light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even washes

Plano4 FC™ - Framing shutters module of 4 individually positionable blades with full curtain ability, plus 120° rotation of the complete framing system

RAINS™ - Robe Automatic Ingress Neutralization System actively regulates the fixture's internal microclimate, removes moisture, monitors temperature and pressure, ensuring optimal protection and simplified maintenance

ChromaTint™ - Advanced single-channel green content control for White LED light sources using CMY colour systems, ensuring precise adjustments evenly across the entire beam.

UpLift™ - To ease handling, clip-on UpLift handles are designed to ease the burden. The handles are easily attached and removed, greatly easing carrying and lifting of larger fixtures.

iPAINTE® LTM WB



Illuminate your beat like never before with the ultra-modern, high-energy Robe WTF!™. Whatever you call it, the Wash Twist Flash delivers turbocharged strobe, wash, and blinder effects, targeting anywhere on the stage or into the audience, built for any environment. Get ready to elevate your show with unmatched brilliance and intensity!

With incredible speed and continuous pan and tilt rotational control, including individual timing, the WTF!™ features EMS™ (Electronic Motion Stabiliser) technology for instant stops and the most dynamic movement on the market. Whether you're creating rhythmic subtleties or unleashing brute force, the strobe light offers unparalleled versatility.

Equipped with 72 x 20W White strobe LEDs, 116 x 10W WarmWhite and 88 x 5W Amber audience blinder LEDs together with 16 x 60W RGBW wash LED multichips, the WTF!™ delivers peerless 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.

Featuring two independent 13 - 95° standard zooms for the RGBW zones, the WTF!™ features the first linear strobe zoom control available! Opening new vistas for lighting designers, the transformative Hyper-Z™ linear zoom, with 98 x 14° to 125 x 97° reach encompasses rapid, linear versatility not previously possible!

Built-in strobe effect macros, including ramp up/down, random, single, and sequenced flashes, streamline programming for rapid creativity.

WTF!™ provides individual zonal control for 12 white strobe and 16 RGBW, pixels, offering variable speed control and limitless combinations usings its comprehensive set of control protocols.

Advanced features include a DataSwatch™ onboard colour library; variable CCT of 2.700K-10.000K for RGBW zones; A CCT range of 1.800K – 3.200K with tungsten emulation of lamps from 750W to 2.500W generates the most intense blinder effects possible; +/- green content control; L3™ 18-bit Low Light Linearity dimming; Cpulse™ flicker removal software for professional-grade results.

As part of the iSERIES, built to excel in any environment, the IP65-rated WTF!™ weighs only 31.9 kg and incorporates Robe's patented RAINS™ active protection system and POLAR+ standby technology, ensuring peak performance even in extreme temperatures down to -50°C.

WTF!™ – Wash Twist Flash

Light source
72 × 20W White strobe LEDs, 116 × 10W WarmWhite + 88 × 5W Amber audience blinder LEDs, 16 × 60W RGBW wash LED multichips

Light output
Fixture total output: 168.000 lm

Zoom range
White LED strobe: 98° × 14° - 125° × 97°
RGBW LED wash: 13° - 95°

Effects
Super bright single tube strobe and blinder effects with tungsten emulation, High power RGBW wash light, Continuous Pan and Tilt rotation













Technical Specification

Source

- Light source type: 72 × 20W White strobe LEDs , 116 × 10W WarmWhite + 88 × 5W Amber audience blinder LEDs, 16 × 60W RGBW wash LED multichips
- LED life expectancy: min. 40 000 hours
- Typical lumen maintenance: 70% @ 40 000 hours

Optical System

- Highly efficient component optics
- Zoom range:
  - White LED strobe: 98° × 14° - 125° × 97°
  - RGBW LED wash: 13° - 95°
- Fixture total lumen output
  - White LED strobe: 168.000 lm (integrated sphere) 134.400 lm (goniophotometer)
  - WW+A LED blinder: 147.000 lm (integrated sphere) 117.600 lm (goniophotometer)
  - RGBW LED Wash: 24.250 lm (integrated sphere)
- Hyper-Z™ linear zoom encompasses linear versatility not previously possible

Dynamic Effects and Features

- Colour mixing mode RGBW or CMY
- Zone control:
  - 2× RGBW LEDs zones: 8 + 8 pixels
  - 1× White LED zone: 12 pixels
- White light:
  - RGBW zones: Variable CCT 2.700K - 10.000K
  - White zone: Variable 1.800K - 3.200K and fixed 6.500K
- + - 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
- UpLift™ - To ease handling, clip on UpLift handles are designed to ease the burden. Handles are easily attached and removed, greatly easing carrying and lifting of larger fixtures.

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
- 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
- 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)

Thermal Specification

- Maximum ambient temperature: 50°C (122°F)
- Maximum surface temperature: 80°C (176°F)
- Minimum operating temperature: -50°C (-58°F)

Electrical Specification and Connections

- Power supply: Electronic auto-ranging
- Input voltage range: 120-240 V, 50/60 Hz
- Power consumption: Max. 1.400W
- 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

Approvals

- CE Compliant, cETLus Compliant (pending)

Mechanical Specification

- Rugged aluminium housing
- Height: 489 mm (19.25") - head in vertical position
- Width: 608 mm (23.93")
- Depth: 283 mm (11.14")
- Weight: 31.9 Kg (70 lbs)
- Ingress protection rating: IP65

Rigging

- Mounting positions: Horizontally or vertically, Universal operating position

Included Items

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

Optional Accessories

- UpLift™ Removable Handles (2 pcs), Single Top Loader Case, Dual Top Loader Case, Doughty Trigger Clamp, Safety wire 36 kg, Foam Shell

Legal

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









Innovations

DATASWATCH

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

L3

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

REAP

REAP™ - Robe Ethernet Access Portal allows access to internal fixture data when connected to a network, viewed as a web page

CPULSE

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

GDTF

GDTF – General Device Type Format - a standardized file format for exchanging intelligent luminaire data in a readable, open-source format

EPASS

Epass™ - Ethernet pass-through switch that preserves Ethernet integrity even when the fixture is powered off, ensuring continuous network connectivity

EMS

EMS™ - Patented ultra-smooth stabilization Pan & Tilt movement system enables fast movement and instant stops by eliminating fixture hysterisis, ensuring no beam deviation or shake

AIRLOC

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

MAPS

MAPS™ - Motionless absolute positioning system for Pan & Tilt. It provides stationary reset without calibration movement. This allows discreet resetting of fixtures during a performance and power cycling of luminaires within confined spaces.

HYPER-Z

Hyper-Z™ - Experience unparalleled linear strobe flexibility with 98x14º–125x97º coverage. This transformative zoom redefines strobe versatility, achieving effects never before possible.

RAINS

RAINS™ - Robe Automatic Ingress Neutralization System actively regulates the fixture's internal microclimate, removes moisture, monitors temperature and pressure, ensuring optimal protection and simplified maintenance

UPLIFT

UpLift™ - To ease handling, clip-on UpLift handles are designed to ease the burden. The handles are easily attached and removed, greatly easing carrying and lifting of larger fixtures.

POLAR+

Polar+™ - Low power standby mode ensuring instant fixture readiness in extreme cold, down to -50º C



Wherever you are, getting power to where you need it can be a challenge. Getting it to a remote location or simply where you can't have any trailing cables can be even more difficult. Until now!

Let the PowerDolly™ solve your remote power issues! From film sets to stages, corporate events to a deck at sea and everywhere in between, the Robe patented PowerDolly™ is the simple solution to get power wherever you need it.

Weighing 80 kg, the PowerDolly™ provides a stable, firm platform allowing load of up to 200 kg, perfect for all types of loads from lights to LED screens.

Designed for high protection in all environments, PowerDolly™ features IP65 ingress protection. For the rigours of touring and location work, the unit has IK07 impact protection rating.

Selected for their high safety, long cycle life and extra stability, the LifePO4 battery within the PowerDolly™ delivers long-lasting 5.000 WH power. Generating 2.000W for 2.5 hours, or over 300W for 16 hours, you have plenty of time available to power whatever you wish.

Recharging the battery requires an input voltage of 120-240V using a maximum input of 3.600W. Recharge time is under 4 hours to 90%. Solar panel charging is also available if needed.

For the mounting of truss and lights, custom-fit fixture and truss mounting brackets are available. The wheels feature brakes, with optional wheel clearance fixings to improve handling. An off-road wheel choice for difficult terrain is also available.

The built-in LCD display provides monitoring information for input and output voltages, frequency, load percentage, PV voltage and current, working mode and status. Battery level and battery temperature indication lights provide an instant visual check. All the information you need at your fingertips.

In line with the cableless environment, PowerDolly™ features in-built Wireless CRMX technology for stable DMX communication.

PowerDolly™ – Power where you need it

Battery capacity
5.000 WH (LiFePO4)

Max. power
2.000W (2.5 hours)

Battery recharge
<4h (90%)
max. 3.600W (16A socket)

Max. load
200 kg









Technical Specification

Electrical Specification and Connections

- AC production:
  - AC Output: 2.000W
  - Battery Capacity: 5.000 WH (LiFePO4)
  - AC output voltage: 230 VAC ±1%
  - Frequency: 50/60 Hz
  - Type of signal: Pure sinus
- Recharge:
  - Input Voltage: 120V, 60 Hz or 185 - 240V, 50Hz
  - Max charging power: 3.600 W (on 16A socket)
  - Recharge time: <4h (90%)
- Connectors:
  - AC Output: 2× Power connector IP67 PowerCon True1
  - AC Input: Power connector IP67 PowerCon True1
  - DC input (SOLAR): LP-20
  - DMX and RDM data out: IP67 Locking 5-pin XLR connector
- Solar Panels:
  - Max PV power: 1.600 W
  - MPP voltage range: 10 VDC – 145 VDC
  - Max input voltage: 145 VDC
  - Max current PV: 20 A
- Battery runtime:
  - Usage time at 300W: >16 h
  - Usage time at 500W: 10 h
  - Usage time at 1000W: 5 h
  - Usage time at 2000W: 2.5 h

Control and Programming

- Built-in display: LCD Display for input and output voltage indication, frequency, load percentage,PV voltage and current, working mode, fixture status
- Wireless CRMX™ technology from Lumen Radio
- Battery status:
  - Battery Level indication
  - Battery Temperature indication

Thermal Specification

- Maximum ambient temperature: 45°C (113°F)
- Maximum surface temperature: 80°C (176°F)
- Minimum operating temperature:
  - -10°C (14°F) - inverted mode
  - -20°C (68°F) - charger mode
- Total heat dissipation

Noise Levels

- Sound pressure level:
  - 20 dB(A) at 1 m (inverter mode)
  - 30 dB(A) at 1 m (charger mode)
- Sound power level:
  - 26 db(A) (inverted mode)
  - 36 db(A) (charger mode)

Mechanical Specification

- IP rating: IP65
- IK Rating: IK07
- Height: 163 mm (6.4")
- Width: 750 mm (29.5")
- Depth: 750 mm (29.5")
- Weight: 79 kg (174 lbs)
- Load capacity: 200 kg
- Fixation option: Wheels brakes

Rigging

- Mounting positions: Floor standing
- Mounting points:
  8× M12 mounting points for universal and custom bracket
  8× 1/4-turn locking points for fixture mounting bracket or truss mounting bracket

Included Items

- User Manual
- Daisy Chain powerCON TRUE1 In/Out, EU or US, 0,90m, Outdoor

Optional Accessories

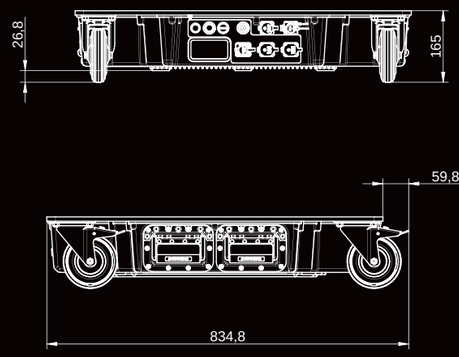
- Fixture mounting bracket
- Truss mounting bracket
- Single Top Loader Case
- Offroad wheels

Approvals

- CE Compliant
- cETLus Compliant

Legal

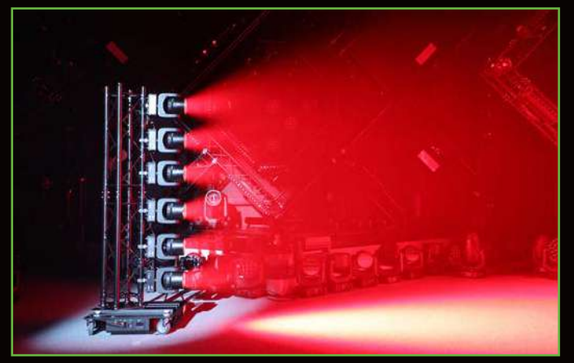
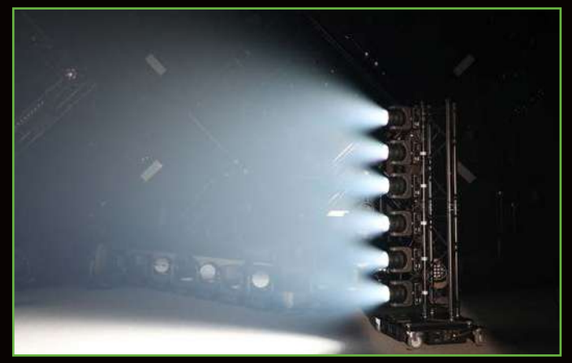
- PowerDolly™ is a Trademark of Robe lighting s. r. o.
- PowerDolly™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

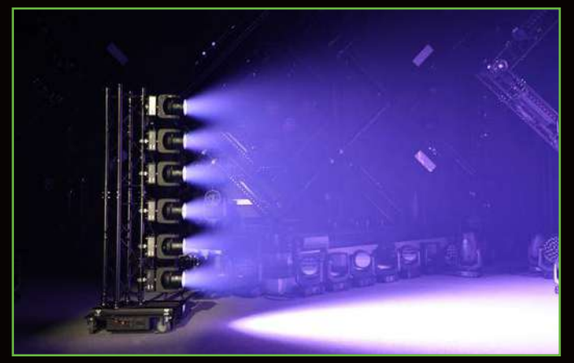
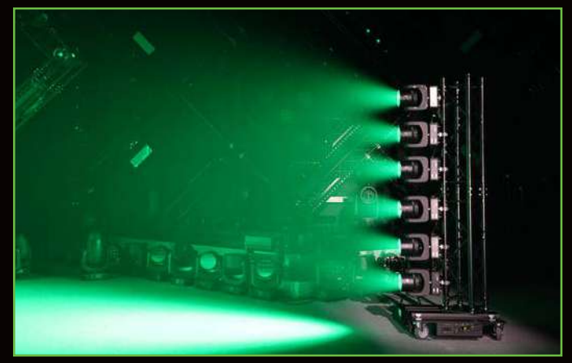
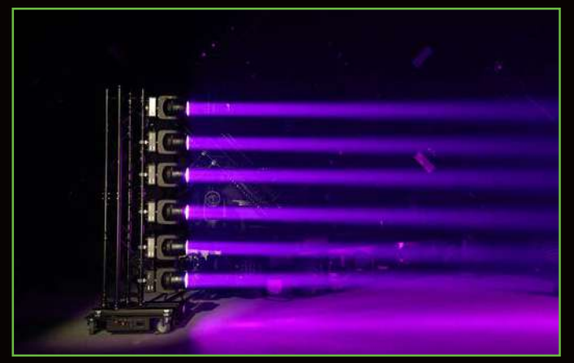


Innovations



PowerDolly™ - Removing power accessibility challenges, the Robe patented IP65 rated mobile PowerDolly™ provides a stable high 200 kg load platform source of a long-lasting 5.000 WH power via LifePO4 batteries. It features equipment mounting options, comprehensive monitoring information, wireless DMX, and mains or solar panel charging options.


T3 PROFILE™



Building on the success of the acclaimed Robe T-Series, the T3 Profile™ elevates high-power multispectral performance to the ultimate level. Designed for long-throw applications, it delivers unparalleled output, light quality and precise colour control.

Delivering over 31.250 lumens (integrating sphere) from its 1.400W MSL™ (Multi-Spectral-Light) LED engine, the T3 Profile™ stays true to its theatrical heritage. Excelling at nuanced colour work, it offers user selectable CMY, RGB or individual colour emitter control for advanced users.

Colour features include a DataSwatch™ virtual colour library; factory calibrated whites; extensive 2.700K to 8.000K CCT range; lamp selectable tungsten emulation; and MCE™ multicoloured effects directly from the LED engine. The virtually controlled CRI of 80-95+ delivers perfect colour rendition and flawless skin tones.

Vital ultra-smooth theatrical dimming is achieved via our L3™ 18-bit dimming system, delivering imperceptible fades-to-black.

The feature set includes high-precision Plano4 FC™ Full Curtain four-plane shuttering system; static and rotating gobo wheels; animation wheel; dual independently control prisms (6-facet linear and circular), and an iris.

Our Robe proprietary optical design, with a zoom range of 5-60° delivers crisp projections, with perfect colour homogenisation even when used with shutter and gobo elements. It accommodates the insertion of gobos, diffusion and prisms at any point across the entire zoom range.

T3 Profile™ features our new ProFrost™ progressive frost system. This patented system inconspicuously softens and dissolves projections to whatever level desired—giving designers previously unattainable diffusion control.

A dedicated plus/minus green channel, and Cpulse™ flicker-free management for consistent flicker-free results across all visual systems meet the demands of broadcasters.

Engineered for noise-sensitive environments, T3 features console-adjustable fan modes for consistent output. AirLOC™ (Less Optical Cleaning) technology reduces airborne particle adherence, keeping optics cleaner for far longer, greatly increasing times between maintenance.

The Epass™ ethernet pass through switch safeguards network connectivity, while the REAP™ (Robe Ethernet Access Portal) allows network monitoring via a web interface.

Removing the need for pre-use pan and tilt calibration, MAPS™ (motionless Absolute Positioning System) allows fixtures to calibrate without movement, also removing audience distraction while resetting during a performance.

The T3 Profile™ is the ultimate long-throw multi-spectral profile fixture for today's leading theatrical and broadcast designers.

T3 Profile™ – High-power Multispectral light quality

Light source
MSL™ 1.400W Multi-Spectral LED engine (Patented)

Light output
Fixture total output: 31.250 lm

Zoom range
5° - 60°

Effects
CMY/RGB or RGBAL colour mixing, Full curtain framing shutters, Static and Rotating gobo wheels, Iris, Animation wheel, Two combinable rotating prisms, Linear progressive frost, Motorised zoom and focus













Technical Specification

Source

- Light source type: MSL™ 1.400W 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 12:1
- Zoom range: 5° - 60°, covers favoured field angles of most Theatre and TV lights
- Fixture total lumen output:
  - 31.250 lm (integrating sphere)
  - 25.000 lm (goniophotometer)
- Output lens diameter: 200 mm

Dynamic Effects and Features

- Factory calibrated whites and colours via the new RCC™ (Robe Colour Calibration) system, automatic or on-call self-re-calibration of the LED engine without the use of any external tool (Patent pending)
- Colour mixing: CMY/RGB or RGBAL
- White light: Variable CCT 2.700K - 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 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 FC™ framing shutters module with 4 individually positionable blades plus rotation of the complete framing 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
- 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 & 2: Independent 6-facet linear & circular prism rotating in both directions at variable speed
- Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- ProFrost™ - progressive frost system smoothly softens, melts and dissolves projections from 0° to 15°
- Motorised 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.
- UpLift™ - To ease handling, clip on UpLift handles are designed to ease the burden. Handles are easily attached and removed, greatly easing carrying and lifting of larger fixtures.

Control and Programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Display: QVGA Robe screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, built-in analyser for easy fault finding, NFC app controller
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- REAP™ - Robe Ethernet Access Portal
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity
- Wireless CRMX™ technology from Lumen Radio - on request
- DMX Protocol modes: 4, Control channels: 52, 36, 56, 57
- 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)

Electrical Specification and Connections

- Power supply: Electronic auto-ranging
- Input voltage range: 120-240 V, 50/60 Hz
- Power consumption: max. 1700 W
- Power connector in: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in/out: RJ45 for Embedded Epass™ switch 10/100 Mbps
- USB connector (series A) for lightmaster purposes

Approvals

- CE Compliant, cETLus Compliant

Mechanical Specification

- Height: 832 mm (32.7") - head in vertical position
- Width: 506 mm (19.9")
- Depth: 347 mm (13.7") - head in vertical position
- Weight: 45.6 kg (100.5 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, Power cord including powerCON TRUE1 In connector, Gel frame adaptor

Optional Accessories

- UpLift™ Removable Handles (2 pcs), Top hat, Doughty Trigger Clamp, Omega Adaptor Tall CL - 2 pcs in box, Safety wire 50 kg, Single Top Loader Case, Dual Top Loader Case, Foam Shell

Legal

- T3 Profile™ is a Trademark of Robe lighting s. r. o.
- T3 Profile™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

Innovations



MSL™ - Multi-Spectral Light source, adjustable CCT from 2.700 K to 8.000 K, CRI 95+, generating 31.250 lm fixture output (integrating sphere)



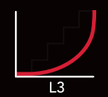
DataSwatch™ - Fast selection of the most trusted colours & tones



MCE™ - Split and multi-coloured effects directly generated by the MSL™ Multi-Spectral LED engine



Tungsten Emulation - Simulates the red shift and thermal delay of selected tungsten lamps, ensuring seamless integration within traditional lighting rigs



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



REAP™ - Robe Ethernet Access Portal allows access to internal fixture data when connected to a network, viewed as a web page



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



+- Green correction - Dedicated single channel green content control with advanced algorithms for MSL™ Multi-Spectral LED light sources



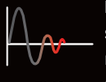
GDTF – General Device Type Format - a standardized file format for exchanging intelligent luminaire data in a readable, open-source format



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



MAPS™ - Motionless absolute positioning system for Pan & Tilt. It provides stationary reset without calibration movement. This allows discreet resetting of fixtures during a performance and power cycling of luminaires within confined spaces.



EMS™ - Patented ultra-smooth stabilization Pan & Tilt movement system enables fast movement and instant stops by eliminating fixture hysterisis, ensuring no beam deviation or shake



Epass™ - Ethernet pass-through switch that preserves Ethernet integrity even when the fixture is powered off, ensuring continuous network connectivity



Slot & Lock Gobos - Quick and easy gobo replacement with alignment markings for precise performance of rotating and indexible gobos



FTF™ - Full Travel Frost - Cutting edge optics and engineering allow insertion of frosts and prisms across the entire zoom range from narrowest to widest settings



Plano4 FC™ - Framing shutters module of 4 individually positionable blades with full curtain ability, plus 120° rotation of the complete framing system



QVGA - Gyroscopic touchscreen display provides full access to fixture setup and diagnostics intuitively, when unpowered, saving valuable prep time



UpLift™ - To ease handling, clip-on UpLift handles are designed to ease the burden. The handles are easily attached and removed, greatly easing carrying and lifting of larger fixtures.



ProFrost™ - Our patented ProFrost™ progressive frost system smoothly softens, melts and dissolves projections to whatever level desired. It diffuses from 0° - 15°, covering the faintest softening to complete beam dispersion evenly across the field.



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.

T3 FRESNEL™











Building on the acclaimed success and exceptional quality of the highly acclaimed Robe T-Series, the T3 Fresnel™ elevates high-power multispectral wash performance to the ultimate level. Designed for long-throw wash applications in the world's largest theatres, opera houses and concert halls, it delivers unparalleled output, light quality and precise colour control.

Delivering over 22.200 lumens (integrating sphere) from its powerful 1.400W MSL™ (Multi-Spectral-Light) source, the T3 Fresnel™ stays true to its theatrical heritage with its classically soft Fresnel style beam ensuring the smoothest wash coverage across the largest theatres and studios with its wide ranging 7-62° zoom.

The T3 Fresnel™ excels in nuanced colour work, offering user selectable CMY, RGB or individual colour emitter control for advanced users, you will experience the power and precision of additive colour mixing.

Colour generation and control features include a DataSwatch™ virtual colour library; factory calibrated whites; extensive 2.700K to 8.000K CCT range; lamp selectable tungsten emulation; and MCE™ macro-driven multicoloured effects directly from the LED engine. The virtually controlled CRI of 80-95+ delivers perfect colour rendition and flawless skin tones.

Vital ultra-smooth theatrical dimming is achieved via our L3™ 18-bit dimming system, delivering imperceptible fades-to-black.

A comprehensive feature set including the 4Door™ four leaf barndoor system (with 90° rotation), edge correction for more or less barn door cut definition, and RotaScrim™ graduated filter with 180° beam rotation for the removal of unsightly hotspots provides far more beam control than traditional wash lights.

Setting a new benchmark in diffusion, the T3 Fresnel™ features our ultramodern ProFrost™ progressive frost system. This patented system, fully operable at any zoom setting, is inconspicuously introduced across the beam to provide anything from the faintest touch to the heaviest diffusion —giving designers previously unattainable diffusion control.

A dedicated plus/minus green channel, and Cpulse™ flicker-free management for consistent flicker-free results across all visual systems meet the demands of all broadcasters.

Engineered for noise-sensitive environments the T3 Fresnel™ features console-adjustable fan modes for consistent output. airLOC™ (Less Optical Cleaning) technology reduces airborne particle adherence, keeping optics cleaner for far longer, greatly increasing times between maintenance.

The Epass™ ethernet pass through switch safeguards network connectivity, while the REAP (Robe Ethernet Access Portal) allows network monitoring via a web interface.

The T3 Fresnel™ is the ultimate long-throw multi-spectral wash fixture for today's leading theatrical and broadcast designers.

T3 Fresnel™ – High-power Multispectral light quality

Light source
MSL™ 1.400W Multi-Spectral LED engine (Patented)

Zoom range
7° - 62°

Light output
Fixture total output: 22.200 lm

Effects
CMY/RGB or RGBAL colour mixing, Internal barndoors, Scrim filter, Linear progressive frost, Motorised zoom and focus





Technical Specification

Source

- Light source type: MSL™ 1400 W Multi-Spectral LED engine (Patented)
- LED life expectancy: min. 40.000 hours
- Colour rendition:
  CRI: 95, CRI R9: 91, TM30-18 Rf: 93, TM30-18 Rg: 103, TLCI: 94
- Typical lumen maintenance: L70/B50 @ 40.000 hours
- Light source warranty: 3 years or 20.000 hours

Optical System

- Robe's proprietary optical design
- High-efficiency zoom optical system, ratio 9:1
- Zoom range: 7° - 62°
- Fixture total lumen output:
  - 22.200 lm (integrating sphere)
  - 17.800 lm (goniophotometer)
- Output lens diameter: 250 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 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)
- + - Green correction function
- Adjustable CRI from 80 to 95+
- 4Door™ - Internal Barndoors with individual control of the four leaves for added beam control of wash light, with +/- 90° module rotation. (Patented)
- ProFrost™ - progressive frost system smoothly softens, melts and dissolves projections from 0° to 15°
- RotaScrim™ - Internal Scrim module with graduated filter position control for asymmetrical style lighting of drapes and unwanted hotspot removal from scenery. The entire module can be rotated +/- 180°. (Patented)
- Motorised zoom
- ECC™ - Edge Colour Correction
- Electronic strobe effect with variable speed up to 20 Hz
- Pre-programmed random strobe & pulse effects
- L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black
- Extremely quiet operation suitable for all types of production in Theatre and TV
- Cpulse™ special flicker-free management for HD and UHD cameras, ready for 8K and 16K
- AirLOC™ (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.
- BARS™ - Brake Attribute Retention System (Patented) applied for Zoom stepper motor
- UpLift™ - To ease handling, clip on UpLift handles are designed to ease the burden. Handles are easily attached and removed, greatly easing carrying and lifting of larger fixtures.

Control and Programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Display: QVGA Robe screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, built-in analyser for easy fault finding, NFC app controller
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- REAP™ - Robe Ethernet Access Portal
- Wireless CRMX™ technology from Lumen Radio - on request
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity
- DMX Protocol modes: 3, Control channels: 35, 24, 39
- Pan & Tilt resolution: 16 bit
- Colour mixing: 8 or 16 bit (internal 18 bit)
- Variable CCT: 8 bit
- Internal barndoor module movement & rotation: 8 bit
- Internal scrim module movement & rotation: 8 bit
- Frost: 8 bit, Zoom: 8 or 16 bit
- Edge colour correction: 8 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Movement

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

Thermal Specification

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

Electrical Specification and Connections

- Power supply: Electronic auto-ranging
- Input voltage range: 120-240 V, 50/60 Hz
- Power consumption: max. 1700 W
- Power connector in: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in/out: RJ45 for Embedded Epass™ switch 10/100 Mbps
- USB connector (series A) for lightmaster purposes

Approvals

- CE Compliant, cETLus Compliant

Mechanical Specification

- Height: 832 mm (32.7") - head in vertical position
- Width: 506 mm (19.9")
- Depth: 347 mm (13.7") - head in vertical position
- Ingress protection rating: IP20
- Weight: 45 kg

Rigging

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

Included Items

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

Optional Accessories

- UpLift™ Removable Handles (2 pcs), Doughty Trigger Clamp, Safety wire 50 kg, Upgrade kit CRMX Universal 260, Single Top Loader Case, Dual Top Loader Case, Foam Shell

Legal

- T3 Fresnel™ is a Trademark of Robe lighting s. r. o.
- T3 Fresnel™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

Innovations



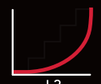
MSL™ - Multi-Spectral Light source, adjustable CCT from 2.700 K to 8.000 K, CRI 95+, generating 22.200 lm fixture output (integrating sphere)



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



Tungsten Emulation - Simulates the red shift and thermal delay of selected tungsten lamps, ensuring seamless integration within traditional lighting rigs



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



REAP™ - Robe Ethernet Access Portal allows access to internal fixture data when connected to a network, viewed as a web page



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



+- Green correction - Dedicated single channel green content control with advanced algorithms for MSL™ Multi-Spectral LED light sources



GDTF – General Device Type Format - a standardized file format for exchanging intelligent luminaire data in a readable, open-source format



Epass™ - Ethernet pass-through switch that preserves Ethernet integrity even when the fixture is powered off, ensuring continuous network connectivity



MAPS™ - Motionless absolute positioning system for Pan & Tilt. It provides stationary reset without calibration movement. This allows discreet resetting of fixtures during a performance and power cycling of luminaires within confined spaces.



EMS™ - Patented ultra-smooth stabilization Pan & Tilt movement system enables fast movement and instant stops by eliminating fixture hysterisis, ensuring no beam deviation or shake



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



RotaScrim™ - Found within Robe wash lights, our patented RotaScrim™ 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.



ProFrost™ - Our patented ProFrost™ progressive frost system smoothly softens, melts and dissolves projections to whatever level desired.
It diffuses from 0° - 15°, covering the faintest softening to complete beam dispersion evenly across the field.



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



ECC™ - 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.



QVGA - Gyroscopic touchscreen display provides full access to fixture setup and diagnostics intuitively, when unpowered, saving valuable prep time



FTF™ - Full Travel Frost - Cutting edge optics and engineering allow insertion of frosts and prisms across the entire zoom range from narrowest to widest settings



UpLift™ - To ease handling, clip-on UpLift handles are designed to ease the burden. The handles are easily attached and removed, greatly easing carrying and lifting of larger fixtures.

T.5 PROFILE™



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 10.500lm 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 FC™ 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.

Light source
MSL™ 350W Multi-Spectral LED engine (Patented)

Light output
Fixture total output: 10.500 lm

Zoom range
5° - 55°

Effects
CMY/RGB or RGBAL colour mixing, Full curtain framing shutters, Rotating gobo wheel, Iris, Animation wheel, Prism, Two frosts, Motorised zoom and focus













T.5 PROFILE™

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:
  10.500 lm (integrating sphere)
  8.400 lm (goniophotometer)
- 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 FC™ 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
- HSL™ - Hot-Spot Lens for LED profiles: 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)

Rotating Gobos
- 7× rotating glass gobos
- Outside diameter: 22.3 mm
- Image diameter: 18 mm
- Thickness: 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
- Can be used alone or in combination with rotating gobos
- Rotating in both directions at variable speed

Framing Shutters System
- Full curtain framing shutters: 4 Blades, each with separate movement and rotation control
- Movement: smooth with variable speed
- Smooth and very precise motion of framing shutters
- Rotation: +- 60° of the complete framing system

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

Electrical Specification and Connections
- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: max. 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

Approvals
- CE Compliant
- cETLus Compliant

Mechanical Specification
- Height: 648 mm (25.51") - head in vertical position
- Width: 372 mm (14.6")
- Depth: 251 mm (9.9") - head in vertical position
- Weight: 20.8 kg
- Ingress protection rating: IP20

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

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

Optional Accessories
- Top hat, Gel frame, Doughty Trigger Clamp, Frost 0.5°, 1°, 5° , 10°, 20°, 30°, Safety wire 36 kg, Upgrade kit CRMX Universal 260, Single Top Loader Case, Dual Top Loader Case, Quad Top Loader Case, Foam Shell

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

Innovations



MSL™ - Multi-Spectral Light source, adjustable CCT from 2.700 K to 8.000 K, CRI 95+, generating 10.500 lm fixture output (integrating sphere)



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



MCE™ - Split and multi-coloured effects directly generated by the MSL™ Multi-Spectral LED engine



Tungsten Emulation - Simulates the red shift and thermal delay of selected tungsten lamps, ensuring seamless integration within traditional lighting rigs



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



REAP™ - Robe Ethernet Access Portal allows access to internal fixture data when connected to a network, viewed as a web page



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



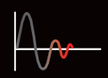
+- Green correction - Dedicated single channel green content control with advanced algorithms for MSL™ Multi-Spectral LED light sources



GDTF – General Device Type Format - a standardized file format for exchanging intelligent luminaire data in a readable, open-source format



MAPS™ - Motionless absolute positioning system for Pan & Tilt. It provides stationary reset without calibration movement. This allows discreet resetting of fixtures during a performance and power cycling of luminaires within confined spaces.



EMS™ - Patented ultra-smooth stabilization Pan & Tilt movement system enables fast movement and instant stops by eliminating fixture hysterisis, ensuring no beam deviation or shake



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



Epass™ - Ethernet pass-through switch that preserves Ethernet integrity even when the fixture is powered off, ensuring continuous network connectivity



Slot & Lock Gobos - Quick and easy gobo replacement with alignment markings for precise performance of rotating and indexible gobos



MagFrost™ - Magnetic paddle fast change system providing exchangeable frosts containing as standard a light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even washes



Plano4 FC™ - Framing shutters module of 4 individually positionable blades with full curtain ability, plus 120° rotation of the complete framing system



QVGA - Gyroscopic touchscreen display provides full access to fixture setup and diagnostics intuitively, when unpowered, saving valuable prep time



FTF™ - Full Travel Frost - Cutting edge optics and engineering allow insertion of frosts and prisms across the entire zoom range from narrowest to widest settings

T10 PROFILE™











Offering a more compact design for smaller theatres and studios, the T10 Profile™ retains all the features and benefits of our larger award winning T11 Profile™ to deliver both superb performance and total generic flexibility!

The T10 uses the MSL™ (Multi-Spectral Light) additive colour mixing concept combined with innovative TE™ technology to maintain the exceptional colour finesse of the T-Series.

With the MSL-TE™ 200W LED Engine generating 7.500 lm (integrating sphere) from the Profile fixture and all the advantages of cost, exchange or replacement, this LED technology provides identical colour characteristics, responses, and control of T series luminaires, giving absolute colour consistency across your Robe lighting installation.

A virtually controlled CCT range of 2.700K to 8.000K (extended range 1.800K – 10.000K), calibrated whites, and tungsten emulation gives precise control.

The virtually controlled CRI of 80-95+ delivers perfect colour rendition and flawless skin tones. For fast programming there is an onboard virtual DataSwatch™ colour library.

Capitalizing on the benefits of TRANSFERABLE ENGINES to address the need for task-specific LED solutions, there are three other TRANSFERABLE ENGINE options - TE™ 200W LED DL (Daylight) White 6.000 K; TE™ 200W LED TGW (Tungsten White) White 3.200 K; TE™ 200W LED TW (Tuneable White) White 3.200-5600K.

High-definition optics deliver precise projection, beam control, and an extreme, wide-ranging 10:1 ratio 5-55° zoom range, from its single, integral lens tube without the need for additional lens tubes or optical variants.

Our innovative manual shuttering system, functioning as an internal barn door when Fresnel and PC lenses are fitted, allows wide ranging blade adjustment and can be locked firmly in place. The T11 contains a manual 1° MagFrost™ for instant softening, with a swappable 5° MagFrost™ stored on the magnetic holder within the fixture. Other optional frosts are available.

The unobtrusive T10 is specifically designed to operate in noise-sensitive environments, with TV studio use enhanced via Cpulse™ flicker-free software and a dedicated plus and minus green control channel. All fixture controls are available in standalone mode via the rear display and control knobs.

To increase gobo capacity from the single breakup gobo and holder included with the fixture, an optional drop-in module with two rotating and three static gobos using our standard slot and lock system is available. Furthermore, a motorised iris is included. Easy to install, this allows simultaneous use of both static and rotating gobos to produce dynamic effects.

Utilizing the rapid-change front lens system, the T10 Profile™ quickly transforms into a Fresnel or PC fixture for total luminaire flexibility without the cost of separate generic purchases.

T10 The three into one generic solution!

Light source
MSL-TE™ 200W LED Engine (Patented)

Zoom range
5° - 55°

Light output
Fixture total output: 7.500 lm

Effects
CMY/RGB or RGBAL colour mixing, Manual framing shutters, Insertable frost, Manual zoom and focus, Drop-in gobo and iris module





Technical Specification

Source
- Light source type: MSL-TE™ 200W LED Engine (Patented)
- LED Engine output: 10.500 lm
- LED life expectancy: min. 50.000 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 50.000 hours

Optical System
- Robe's proprietary optical design
- Profile zoom lens system
- High-efficiency manual zoom: High definition optics: ratio 10:1
- Zoom range: 5° - 55°
- Fixture total lumen output: 7.500 lm (integrating sphere), 6.000 lm (goniophotometer)
- 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: 80 - 95+
- Manual framing shutters: framing shutters module with 4 individually positionable blades
- Optional drop-in gobo module: motorised iris, 2 rotating and 3 static gobos
- MagFrost™ - magnetic paddle fast change system providing exchangeable frost containing as standard a light 1° for instant softening of the framing shutters or projected gobo
- Manual zoom and focus
- Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects
- High resolution electronic dimming: 0 - 100%
- L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black
- Dimmer profile selection: Linear, Square law, Super Square law
- 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.
- Cpulse™ special flicker-free management for HD and UHD cameras, ready for 8K and 16K up to 25.000Hz

Control and Programming
- Setting & Addressing: two-row LCD display & 4 control buttons
- Protocols: USITT DMX-512, RDM
  ArtNet, MA Net, MA Net2, sACN
- REAP™ - Robe Ethernet Access Portal
- Wireless CRMX™ technology from Lumen Radio - on request
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request
- DMX Protocol modes: 8
- Control channels: 18, 9, 22, 6, 1, 24, 13, 28
- Variable CCT: 8 bit
- + - Green correction: 8 bit
- Colour mixing: 8 or 16 bit (internal 18 bit)
- Gobo indexing & rotation: 8 or 16 bit
- Iris: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Rotating Gobos
- 2× rotating glass gobos: (with optional drop-in gobo module)
- Outside diameter: 26.8 mm
- Image diameter: 23.5 mm
- Thickness: 1.1 mm
- Max. thickness: 4.0 mm
- High temperature borofloat or better glass
- Patented slot & lock system for easy replacement of gobo

Static Gobos
- 1× static glass gobo: (3× with optional drop-in gobo module)
- Outside diameter: 26.8 mm
- Image diameter: 23.5 mm
- Thickness: 1.1 mm
- Max. thickness: 4.0 mm
- High temperature borofloat or better glass
- Gobo holder R size: slot & lock system for easy replacement of gobos

Thermal Specification
- Maximum ambient temperature: 45 °C (113 °F)
- Maximum surface temperature: 90 °C (194 °F)
- Minimum operating temperature: -5 °C (23 °F)
- Total heat dissipation: max. 1125 BTU/h (calculated)

Electrical Specification and Connections
- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: Max. 275 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

Approvals
- CE Compliant, cETLus Compliant

Mechanical Specification
- Height: 391 mm
- Width: 307 mm
- Depth: 561 mm
- Weight: 9.9 kg (21.8 lbs)
- Ingress protection rating: IP20

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

Included Items
- User Manual
- Gel frame adaptor
- Gobo Holder R size with gobo
- Frost 1°, 5°(exchange) assembled

Optional Accessories
- T10 TE™ 200W Multi-Spectral LED Engine, TGW White LED Engine, DL White LED Engine, TW White LED Engine
- Doughty Trigger Clamp
- T10 Fresnel and PC lens module
- Wireless DMX external module
- Safety wire 36 kg
- Incline Adaptor
- Pole operated yoke
- Mounting bracket – short
- Drop-in manual Iris
- Iris lever extension
- Floor stand
- Frost 0.5°, 3.5°, 10°, 20°, 30°
- Drop-in gobo and iris module
- Hot-spot lens
- Gel frame
- Barndoor module
- Top Hat 50°, 30°
- Half Top Hat 30°
- Single Top Loader Case, Single Top Loader Trolley case, Dual Top Loader Case, Foam Shell

Legal
- T10 Profile™ is a Trademark of Robe lighting s. r. o.
- T10 Profile™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents





Innovations

MSL-TE

MSL-TE™ 200W LED Engine Patented Multi-Spectral LED TE engine. It provides the widest possible colour gamut coverage, and deliver a seamless full range CCT, controlled via RGB, CMY or individual emitter control interfaces.

DATASWATCH

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

TUNGSTEN EMULATION

Tungsten Emulation - Simulates the red shift and thermal delay of selected tungsten lamps, ensuring seamless integration within traditional lighting rigs

L3

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

REAP

REAP™ - Robe Ethernet Access Portal allows access to internal fixture data when connected to a network, viewed as a web page

CPULSE

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

GREEN CORRECTION

+- Green correction - Dedicated single channel green content control with advanced algorithms for MSL™ Multi-Spectral LED light sources

GDTF

GDTF – General Device Type Format - a standardized file format for exchanging intelligent luminaire data in a readable, open-source format

AIRLOC

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

EPASS

Epass™ - Ethernet pass-through switch that preserves Ethernet integrity even when the fixture is powered off, ensuring continuous network connectivity

SLOT&LOCK GOBOS

Slot & Lock Gobos - Quick and easy gobo replacement with alignment markings for precise performance of rotating and indexible gobos

MAGFROST

MagFrost™ - Magnetic paddle fast change system providing exchangeable frosts containing as standard a light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even washes

FULL TRAVEL FROST

FTF™ - Full Travel Frost - Cutting edge optics and engineering allow insertion of frosts and prisms across the entire zoom range from narrowest to widest settings



SVOPATT™ CLASSIC

Iconic luminaires are instantly recognizable in the world of lighting. From its initial launch, demand surged for a streamlined model echoing the essence of the original. Answering that call, we proudly introduce the SVOPATT™ Classic.

Blending timeless design with cutting-edge performance, the SVOPATT™ Classic makes a bold impact—whether as a scenic element or dynamic light curtain. Featuring nine individual modules, each equipped with 6 x 40W RGBA multichips, the fixture delivers over 12.500 lm output and 132.660 lx at 5m. This is a light source that certainly lives up to its original lineage.

With a fixed 4° beam angle, each module supports quick-swap diffusers, giving you the flexibility to tailor the beam spread to your design needs – individually or across the entire fixture.

The SVOPATT™ Classic delivers exceptional colour versatility. Choose from RGB, CMY, or individual emitter control modes; adjust CCT from 2.700K to 8.000K; access 66 preloaded colours via the onboard DataSwatch™ library, and for authentic warmth, selectable tungsten lamp emulation control is included.

To ensure long-lasting performance, the RLCT™ lens coating protects against scratches and dust – maintaining optical clarity for longer.

Designed for noise-sensitive environments, the SVOPATT™ Classic operates at an ultra-quiet 18 dB(A) in quiet mode, thanks to advanced cooling and noise-dampening technology. Cpulse™ software ensures flicker-free performance with the latest camera systems, while +/- green control, make it an ideal choice for studios and broadcast environments.

Striking on its own, the SVOPATT™ Classic also excels in multiples – linkable and invertible to form continuous, dramatic light-curtain arrays across the stage.

REAP™ (Robe Ethernet Access Portal) network monitoring is effortless, and the Epass™ pass through switch keeps data flowing even when the fixture is without power.

Staying true to its roots, the SVOPATT™ Classic maintains the compact form of the original. To preserve the classic look and compact size of the original, the fixture uses an external power supply.

SVOPATT™ Classic – Iconic style. Modern performance

Light source
9 modules of 6 × 40W RGBA multichips

Light output
Fixture lumen output: 12.500 lm
Illuminance: 132.660 lx @ 5 m

Zoom range
Fixed 4° beam
Optional 5°, 7°, 12°, 22°, 32° frosts

Effects
Light curtain and beam effects with 9 individually controllable modules, RGBA or CMY colour mixing, Interchangeable frosts











Technical Specification

Source
- Light source type: 9 modules of 6 x 40W RGBA multichips
- LED life expectancy: min. 50.000 hours
- Typical lumen maintenance: L70/B50 @ 50.000 hours

Optical System
- Robe's proprietary optical design
- Beam angle: 4° (without frost)
- SvoFrost™ fast-fit frosts beam angles: 5°, 7°, 12°, 22°, 32°
- Fixture total lumen output:
  - 12.500 lm (integrating sphere)
  - 11.600 lm (goniophotometer)
- Illuminance: 132.660 lx @ 5 m
- RLCT™ Innovative lens coating technology

Dynamic Effects and Features
- Colour mixing mode RGBA or CMY
- + - Green correction function
- White light: Variable CCT standard range 2.700K - 8.000K, extended range 1.800K – 10.000K
- 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)
- 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
- SvoFrost™ fast-fit frosts atached via both magnets and locking screw mechanism to hold them firmly in place.You get the desired spread, without disturbing their characteristic look

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: 1,5, 19, 83
- RGBW / CMY: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Movement
- Pan & Tilt movement: Manual

Thermal Specification
- Maximum ambient temperature: 45°C
- Maximum surface temperature: 80°C
- Minimum operating temperature: -5°C
- Maximum SVOPATT™ Driver surface temperature: 50°C (122°F)

Noise Levels
- Sound pressure level:
  - 18 dB(A) at 1 m (quiet mode)
  - 34 dB(A) at 1 m (auto mode)
- Sound power level:
  - 26 dB(A) (quiet mode)
  - 42 dB(A) (auto mode)

Electrical Specification and Connections
- 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™ Classic
- DMX and RDM data in: Locking 5-pin XLR connector
- Power connector in: Amphenol connector

Approvals
- CE Compliant, cETLus Compliant

Mechanical Specification
- SVOPATT™ Classic
  - Height: 435 mm (17.1") - without yoke, 545 mm (21.5") - with yoke
  - Width: 1005 mm (39.6") - without yoke, 1162 mm (45.7") - with yoke
- Depth: 216 mm (8.5")
- Weight: 36.3 kg (80 lbs)
- SVOPATT™ Driver: 6.5 kg (14.3 lbs)
- Ingress protection rating: IP20

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

Included Items
- User Manual
- Omega Adaptor CL-regular 2 pcs
- Power cord including
- powerCON TRUE1 In
- connector
- Jumper Cable: 2m

Optional Accessories
- Frost 2°, 5°, 10°, 20°, 30°
- Doughty Trigger Clamp
- Safety wire 36 kg
- Omega Adaptor CL-regular 2 pcs
- SVOPATT tilt bracket
- Single Top Loader Case and Dual Top Loader Case

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









Innovations

LENS COATING

RLCT™ – Robe lens coating technology - Protects soft plastic lenses against surface scratches and prevents dust buildup, extending intervals between cleaning and maintenence

DATASWATCH

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

TUNGSTEN EMULATION

Tungsten Emulation - Simulates the red shift and thermal delay of selected tungsten lamps, ensuring seamless integration within traditional lighting rigs

L3

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

REAP

REAP™ - Robe Ethernet Access Portal allows access to internal fixture data when connected to a network, viewed as a web page

CPULSE

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

GREEN CORRECTION

+- Green correction - Dedicated single channel green content control with advanced algorithms for MSL™ Multi-Spectral LED light sources

GDTF

GDTF – General Device Type Format - a standardized file format for exchanging intelligent luminaire data in a readable, open-source format

EPASS

Epass™ - Ethernet pass-through switch that preserves Ethernet integrity even when the fixture is powered off, ensuring continuous network connectivity

QVGA TOUCHSCREEN

QVGA - Gyroscopic touchscreen display provides full access to fixture setup and diagnostics intuitively, when unpowered, saving valuable prep time

SVO FROST

SvoFrost™ - A series of fast-fit frosts to add flexibility to the fixed 4° beam, the frosts are available in 5°, 7°, 12°, 22° and 32° and are attached via magnets and locking screw mechanism.

REMOUNT–S

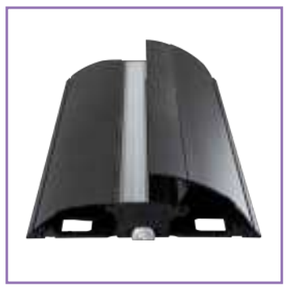
ReMount-S™ - To maximise performance, the patented lens clusters of the SVB1™ and SVOPATT™ feature mountings found outside of the cluster. The new design greatly improves in-lens appearance and optical efficiency.

Footsie1™ MC

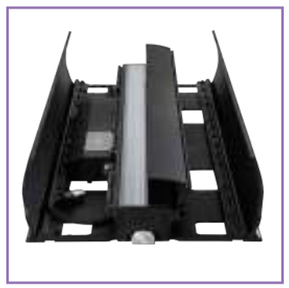
Footsie2™ MC











Time to uplift your footlights and make those feet shine! With its sleek, low design, our IP65-rated FOOTSIE MC takes footlights into the modern age.

With 24 4W RGBW or RGBA LED multichips on the FOOTSIE1™ MC (multichip) 48 4W RGBW, or RGBA LED multichips on the FOOTSIE2™ MC, these IP65-rated fixtures provide even smoother colour homogenisation closer to the source to deliver even smoother foot lighting, whatever the production or weather.

Removing the visual barrier between audience and performer, this showstopper, with its low laying 52 mm high design, allows you to see all the performer and watch those toes 'tapping!

A self-contained cable tray removes loose laying cables, taking away trip hazards resulting in a cleaner installation, with easy fast connection between fixtures including corner pieces of various angles, makes set up easy.

FOOTSIE MC is available in two models. FOOTSIE1™ MC has two individually controlled zones within its 600 mm, while FOOTSIE2™ MC being longer at 1.200 mm, has four zones.

FOOTSIE MC features an innovative SPREAD™ (Shield Protection, Reflection Elimination, Diffusion) integrated shield that folds inside housing or be released and installed in position. The Shield covers direct viewing of the led sources from the audience (Patent pending). Additional softening medium and wide beam spread diffusers are available.

The patented design provides instant access through the top and bottom lids to the fixture display, power supply and other cables, such as microphone or monitor speakers. Half circular ports in the top and base lids give cable breakout access points. Power and data connections are via IP65-rated PowerCON True1 and DMX 5-pin IN and OUT connectors.

By including NFC (Near-Field Communication) technology, you can access setup, diagnostic and performance features, even without power, directly from your mobile device using the Robe Com app.

A unique safety feature, BluMark™ allows a low-level blue LED indication of stage edges without affecting lighting states. Controlled from your console, BluMark™ can be turned on/off as required.

For performers to accurately take positions on stage FOOTSIE MC features PIP™ - Performer Indication Points. Individually controlled RGB LEDs, at 10 cm spacing provide performers with discrete alignment points.

Convectionally cooled, FOOTSIE MC is perfect for theatres, concert stages, fashion show catwalks or corporate events, letting your performers step out in style, indoors or out!

FOOTSIE MC – Toe tapping style, whatever the weather!

Light source
Footsie1™ MC: 24 × 4W RGBA/RGBW multichip LEDs
Footsie2™ MC: 48 × 4W RGBA/RGBW multichip LEDs

Light output
Footsie1™ MC: 750 lm RGBA, 975 lm RGBW
Footsie2™ MC: 1.500 lm RGBA, 1.950 lm RGBW

Zoom range
Fixed asymmetrical angle 55° × 50°

Effects
Uplight & footlight, RGBA / RGBW colour mixing, safety low-level blue LED indication, RGB performer indication points





Footsie1™ MC

Footsie2™ MC

Technical Specification

Source
- Light source type
- Footsie1™ MC: 24 × 4W RGBA/RGBW multichip LEDs
- Footsie2™ MC: 48 × 4W RGBA/RGBW multichip LEDs
- LED life expectancy: min. 50.000 hours
- Typical lumen maintenance: L70/B50 @ 50.000 hours
- CRI: RGBA 85+, RGBW 70+

Optical System
- Robe's proprietary optical design
- Field angle: Asymmetrical field angle 55° x 50°
- Fixture total lumen output
- Footsie1™ MC
  - RGBA: 750 lm, RGBW: 975 lm
- Footsie2™ MC
  - RGBA: 1.500 lm, RGBW: 1.950 lm
- Optional diffusers:
- Medium frost filter 20° × 1°
- Wide frost filter 60° × 30°
- SPREAD™ (Shield Protection, Reflection Elimination, Diffusion) Integrated shield that folds inside housing or be released and installed in position. The Shield is covering direct viewing of the led sources from the side of audience (Patent pending)

Dynamic Effects and Features
- Colour mixing mode RGB/CMY
- Footsie1™ MC 2 and Footsie2™ MC 4 individually controllable LED zones
- + - Green correction function
- CCT: Variable 2.700K - 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)
- DataSwatch™ filters: pre-programmed 66 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
- 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
- BluMark™ safety low-level blue LED indication of stage edges without affecting lighting states
- Electronic strobe effect with variable speed up to 20 Hz
- PIP™ - Performer Indication Point – separately controlled RGB LEDs at 10 cm spacing provide performers with alignment points (Patent pending)

Control and Programming
- Setting & Addressing: two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 40 steps)
- NFC app controller
- Wireless CRMX™ technology from Lumen Radio
- Protocols: USITT DMX-512, RDM
- Footsie1™ MC
- DMX Protocol modes: 3, Control channels: 5, 28, 35
- Footsie2™ MC
- DMX Protocol modes: 3, Control channels: 5, 36, 49
- RGBW / CMY: 8 or 16 bit
- Variable CCT: 8 bit
- + - Green correction: 8 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Thermal Specification
- Maximum ambient temperature: 45 °C (113°F)
- Maximum surface temperature: 50°C (122°F)
- Minimum operating temperature: -20°C (-4°F)
- Total heat dissipation Footsie1™ MC max. 115 BTU/h (calculated), Footsie2™ MC max. 218 BTU/h (calculated)

Noise Levels
- Cooling system: Convection

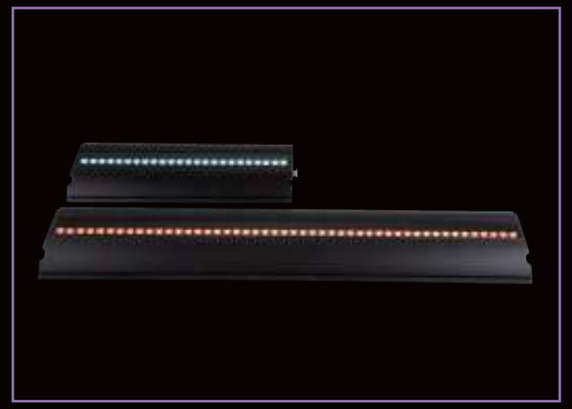
Electrical Specification and Connections
- Power supply: Electronic auto-ranging
- Input voltage range: 120-240 V, 50/60 Hz
- Power consumption
- Footsie1™ MC max. 45 W
- Footsie2™ MC max. 85W
- Power connector in/out: IP65 Neutrik powerCON TRUE1 in/out
- DMX and RDM data in/out: IP65 Locking 5-pin XLR cable connectors - 0.29m

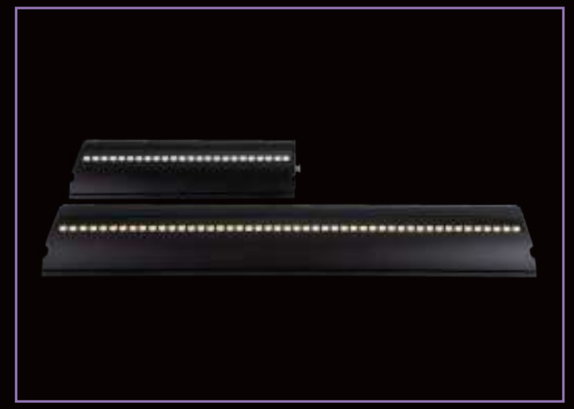
Mechanical Specification
- Height: 52 mm (2.04")
- Width: Footsie1™ MC 629 mm (24.76"), Footsie2™ MC 1229 mm (48.38")
- Depth: 338.6 mm (13.33")
- Weight
- Footsie1™ MC: 9.4 kg (20.7 lbs), 10.6 kg (23.4 lbs) with diffuser
- Footsie2™ MC: 17.1 kg (37.7 lbs), 19.7 kg (43.4 lbs) with diffuser
- Ingress protection rating: IP65
- IK Rating: IK06

Included Items
- User Manual, Daisy Chain powerCON TRUE1 In/Out, EU or US, 0,35m, Outdoor

Optional Accessories
- Diffusion filter medium & wide, Angled corner 15°, 30°, 60°, 90°, Angled corner high 15°, 30°, 60°, 90°, End cap, Eight/Quad Top Loader Case

Legal
- Footsie1™ MC and Footsie2™ MC are Trademarks of Robe lighting s. r. o.
- Footsie1™ MC and Footsie2™ MC are patented by Robe lighting s. r. o. and are protected by one or more pending or issued patents









Innovations

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

Tungsten Emulation - Simulates the red shift and thermal delay of selected tungsten lamps, ensuring seamless integration within traditional lighting rigs

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

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

+- Green correction - Dedicated single channel green content control with advanced algorithms for MSL™ Multi-Spectral LED light sources

GDTF – General Device Type Format - a standardized file format for exchanging intelligent luminaire data in a readable, open-source format

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™ RGB LEDs positioned every 10 cm within the fixture offer precise and consistent reference points for performers to locate their positions on stage.

SPREAD™ - The patented SPREAD™ system (Shield Protection, Reflection Elimination and Diffusion) removes distracting direct viewing of LEDs. The shield can be stored within the fixture housing or deployed into position.

PixelFollower - Using the zone-controllable FOOTSIE footlight, Pixel Follower integrates with the RoboSpot™ control station to follow a performer, seamlessly tracking them around the stage.

Robe Innovations

‘Innovation’ is a concept right at the core of Robe as a world leading designer and manufacturer of moving lights, LED and other lighting technology.

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.

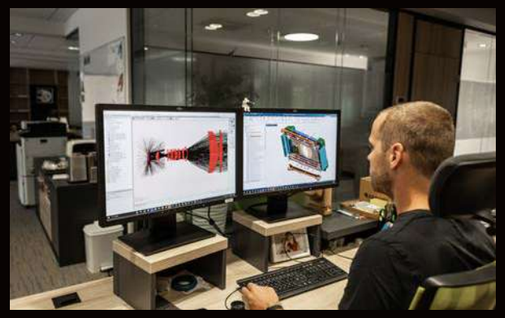
Technology at work



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

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.

150 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.





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.

New Technologies

We have developed a vast array of groundbreaking new technologies over the years.



MSL-TE™

Robe’s patented MSL-TE™ Multi-Spectral LED TRANSFERABLE ENGINE. With all the advantages of future-proof TE technology, they provide the widest possible colour gamut coverage, and deliver a seamless full range CCT, controlled via RGB, CMY or individual emitter control interfaces.



SvoFrost™

To give more flexibility to the fixed 4° beam of the SVOPATT™ Classic, we have developed a series of fast-fit frosts. Attached via both magnets and locking screw mechanism to hold them firmly in place, the frosts are available in 5°, 7°, 12°, 22° and 32°. You get the desired spread, without disturbing their characteristic look.



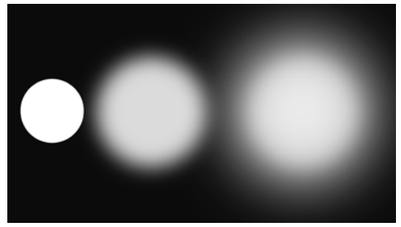
PowerDolly™

Removing power accessibility challenges, the highly innovative IP65 rated mobile PowerDolly™ provides a stable high 200 kg load platform source of a long-lasting 5.000 WH power via LifePO4 batteries. It features equipment mounting options, comprehensive monitoring information, wireless DMX, and mains or solar panel charging options.



ReMount-S™

Mounting points inside of optical clusters between lenses reduces the optical performance of the system. To maximise performance, the lens clusters of the SVB1™ and SVOPATT™ feature mountings found outside of the cluster. The smart ReMount-S™ design greatly improves light smoothness, in-lens appearance and the efficiency of the optical system.



ProFrost™

Our patented hyperinnovative ProFrost™ progressive frost system smoothly softens, melts and dissolves projections to whatever level desired. Operable at any zoom setting, it diffuses from 0° - 15°, covering the faintest softening to complete beam dispersion evenly across the field.



Hyper-Z™

Complicated designs demand innovation. No more so is this true than the pioneering linear strobe zoom found within the WTF!™. 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.



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.



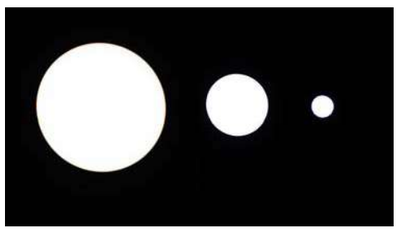
FadeSync™ - Motorized Fader Synchronisation

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.



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.



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™



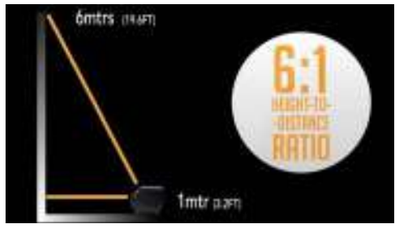
ZoomStat™

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.



CamFIT™

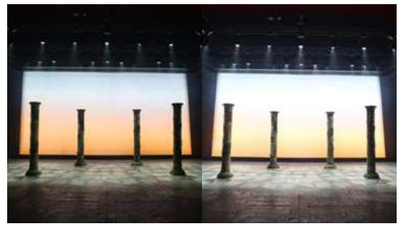
Designed for rapid transformation from a standard fixture, a fixture equipped with the camFIT™ system is prewired and pre-balanced, ready to accommodate a dedicated IP65-rated RoboSpot™ camera without any hassle.



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.



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.



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.



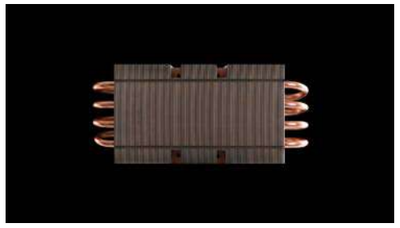
FREM™ - Framing shutter emulation
Robe's innovative framing shutter emulation delivers a variety of beam shaping forms, usually only achievable with framing shutters and beam shapers. By clever use of internal optics, such as the beam aperture size and cylindrical prism, you have control over both the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



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.



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.



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.



DataSwatch™ - in-built virtual colour library
The DataSwatch™ 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.



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.



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.



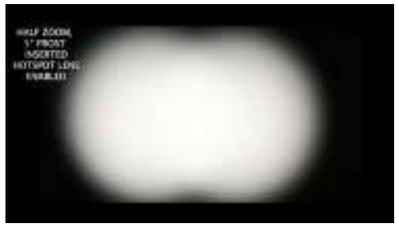
MLP™ - Multi-level prisms
MLP™ - Patented Multi-Level Prisms allow multiple rotating prisms to be ″stacked″ while retaining individual position, speed and direction of rotation control. With variable shape and size it creates unlimited dynamic, multi-level flower and beam effects, bringing a whole new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



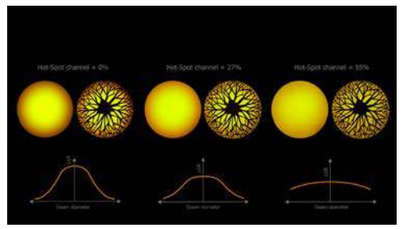
SpektraBeam™
The cutting-edge Robe SpektraBeam™ effects module produces almost indescribable colours, patterns, shapes and effects, elevating your designs to a whole new level of visual impact. This patented technology allows you to split beams into sabre-like shafts and colour individual components,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



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!



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.



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.



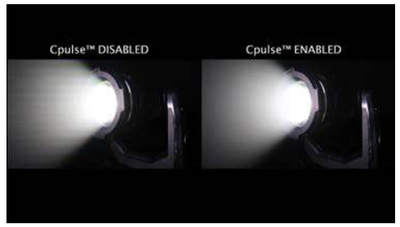
POLAR+™
Outdoor fixtures need to operate in extreme cold. Therefore, Robe iSeries™ fixtures contain an innovative POLAR+™ technology - a special standby mode with low power consumption, in which the fixture's sensors and communications channels continue to function. When activated, it´s giving instant 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 kH, you ensure no flicker will be visible on any camera system.



+ - 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.



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.



GDTF – General Device Type Format
The General Device Type Format creates a unified definition for exchange of data for the operation of intelligent luminaries, 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.



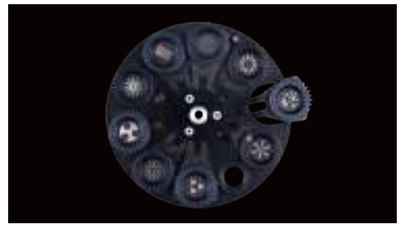
BluMark™
Our Footsie footlight range of fixtures addresses the risk of performers becoming disoriented when the stage goes dark. BluMark™ provides a visual edge-of-stage indication line. Separate from the standard LED array, this line of blue LEDs can be adjusted to any output level, while still providing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



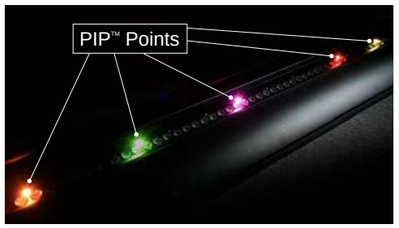
AirLOC™ - Less Optical Cleaning
AirLOC™ technology greatly reduces the level of airborne particles drawn over the optical elements in the luminaire. This increases the overall performance, light quality and time between routine cleaning and maintenance.



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.



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.



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 attactchment.



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.



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!



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.



MDC™ - Multi Device Control
The groundbreaking RoboSpot Follow Spot System and its Multi Device Control — a revolutionary solution that empowers operators to remotely control up to 12 fixtures, tracking performers seamlessly across the stage, simultaneously with unmatched precision and safety.



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.



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 "leafs" and +/- 90° rotation of the complete module assembly.



RotaScrim™- Graduated Scrim Control
Found within Robe wash lights, our patented RotaScrim™ 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.



FTF™ - 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.

Description	Number	Region
Circuit Arrangement of Light Installation Feed Circuit	CZ20040203	Czech Republic
Equipment for Exchange of Optic-Effect Elements	EP 2156092	Validated in FR, DE, IT, GB and NL
Equipment for a Change of Rotary Gobos	US 7370990	United States
Magnetic Quick-Change Gobo Changer System	US 7736022	United States
A Spring Slot & Lock Quick-Change Gobo Changer System	EP 2414726	Validated in DE and GB
System and Method for Minimizing Hysteresis in a Motor Drive System	US 8414156	United States
Color Change Mechanism	US 8113691	United States
LED Array Luminaires	US 9125267	United States
Array of Led Array Luminaires	US 10210793	United States
LED Array Beam Control Luminaires	US 8622573	United States
LED Array Beam Control Luminaires	CN 200980141794	China
A Light Collection System for an LED Luminaire	EP 2177816	Validated in DE and GB
Configurable Three Dimensional Image Projection System	US 8248460	United States
Lens Slide for an Automated Luminaire	US 8376591	United States
An Improved Lens Slide for an Automated Luminaire	EP 2236910	Validated in DE and GB
Beam Shaper	US 10359636	United States
Beam Shaper	US 11300797	United States
Lens System for an LED Luminaire	EP 2550479	Validated in GB
Optics for an Automated Luminaire	US 10234105	United States
Improved Optics for an Automated Luminaire	CN 201080050699	China
Animation Wheel for an Automated Luminaire	US 8956014	United States
Beam Control System for an LED Luminaire	US 8496354	United States
Improved Beam Control System for an LED Luminaire	CN 201180024812	China
Improved Beam Control System for an LED Luminaire	EP 2643632	Validated in DE and GB
Beam Control System for an LED Luminaire	US 10145540	United States
Dual Graphic Wheel for an Automated Luminaire	US 10132456	United States
Dual Graphic Wheel for an Automated Luminaire	CN 201280021667	China
Dual Graphic Wheel for an Automated Luminaire	EP 2694869	Validated in DE and GB
Dual Graphic Wheel for an Automated Luminaire	US 10145524	United States
Versatile Beam and Wash System for an Automated Luminaire	US 10132470	United States
Beam Framing System for an Automated Luminaire	US 9989217	United States
Beam Framing System for an Automated Luminaire	EP 2828574	Validated in DE and GB
A Multisource Beam Shaping System	CN 201380024879	China
A Multisource Beam Shaping System	EP 2828575	Validated in DE and GB

Description	Number	Region
Modular Multisource Beam Shaping System	US 10551038	United States
A Multisource Beam Shaping System	EP 3783257	European Application
A Multisource Beam Shaping System	US 10514154	United States
Collimation System for an LED Luminaire	US 10161595	United States
Improved Collimation System for an LED Luminaire	CN 201380025137	China
Improved Collimation System for an LED Luminaire	EP 2828573	Validated in DE, FR, and GB
Collimation and Homogenization System for an LED Luminaire	US 10072801	United States
Collimation and Homogenization System for an LED Luminaire	EP 2856236	Validated in DE and GB
Heat Protection and Homogenizing System for a Luminaire Utilizing a Lamp with an Intense Hotspot	US 9261269	United States
Light Control System for a Luminaire Utilizing a lamp with an Intense Hotspot	US 10551017	United States
Luminaire with Articulated LEDs	US 10337707	United States
Luminaire with Articulated LEDs	US 10018388	United States
A Display and Display Control System for an Automated Luminaire	EP 2237647	Validated in DE, FR and GB
Collimation and Homogenization System for an LED Luminaire	US 10520175	United States
Collimation and Homogenization System for an Led Luminaire	CN 2014800657365	China
Collimation and Homogenization System for an Led Luminaire	EP 3052982	Validated in DE, FR, GB and NL
Collimation and Homogenization System for an Led Luminaire	CN 201910303203	China
Resonance Movement Dampening System for an Automated Luminaire	CN 2014800657327	China
Resonance Movement Dampening System for an Automated Luminaire	EP 3052997	Validated in BE, DE, FR, GB, and NL
Collimated Effect Luminaire	US 10900634	United States
Resonance Movement Dampening System for an Automated Luminaire	US 10161599	United States
Automated Scrim System for a Luminaire	US 10295160	United States
Collimation and Homogenization System for an LED Luminaire	US 10330293	United States
Collimation and Homogenization System for an LED Luminaire	EP 3227601	Validated in DE, FR, and GB
An Automated Scrim System for a Luminaire	EP 3234445	Validated in DE, FR and GB
Automated Scrim System for a Luminaire	US 10520176	United States
Improved Lamp Color Temperature Stability in an Automated Luminaire	US 10422520	United States
Improved Lamp Color Temperature Stability in an Automated Luminaire	CN 2015800653848	China
Improved Lamp Color Temperature Stability in an Automated Luminaire	EP 3228155	Validated in DE, FR, and GB
Improved Coordinated Effects System For An Automated Luminaire	US 10845016	United States
Improved Coordinated Effects System For An Automated Luminaire	CN 201580065444.6	China
Improved Coordinated Effects System For An Automated Luminaire	EP 3237796	Validated in DE, FR, IT, GB, and NL

Description	Number	Region
Optical System for an LED Luminaire	US 10408402	United States
System and Method for Controlling Light Output in a LED Luminaire	3433535	Validated in DE, FR, GB, and NL
Wash Light Luminaire with Special Effects Capabilities	US 10162105	United States
Special Flower Effects Beam and Washlight Luminaire	US 10132992	United States
Wash Light Luminaire with Special Effects Capabilities	US 10690842	United States
A Special Flower Effects Beam and Washlight Luminaire	CN 201780027604.7	China
A Special Flower Effects Beam and Washlight Luminaire	EP 3433534	Validated in DE, FR, GB, IT and NL
A Wash Light Luminaire with Special Effects Capabilities	CN 201780034567.2	China
A Wash Light Luminaire with Special Effects Capabilities	EP 3436740	Validated in BE, DE, FR, GB, and NL
A Wash Light Luminaire with Special Effects Capabilities	HK 1259814	Hong Kong Application
System and Method for Preventing Light Spill	US 10337692	United States
System and Method for Preventing Light Spill	US 10563839	United States
Luminaire Output Lens Array	USD 819258	United States
Luminaire	USD 825805	United States
Luminaire	USD 825806	United States
Follow Spot Control System	US 10670246	United States
Follow Spot Control System	EP 3393213	Validated in BE, DE, FR, GB, IT and NL
Follow Spot Control System	US 10678220	United States
Follow Spot Control System	CN 201910496054.4	China
Follow Spot Control System	EP 4141317	European Application
Follow Spot Control System	EP 4563881	European Application
Heat Protection and Homogenization System for an Automated Luminaire	US 10663147	United States
Heat Protection and Homogenization System for an Automated Luminaire	EP 3450826	Validated in BE, DE, FR, GB, and NL
Heat Protection and Homogenization System for an Automated Luminaire	US 10295155	United States
Coordinated Effects System for an Automated Luminaire	US 10724709	United States
Coordinated Effects System for an Automated Luminaire	EP 3450827	Validated in DE, GB, IT and NL
Coordinated Effects System for an Automated Luminaire	HK 1261144	Hong Kong Patent
Automated Luminaire Having a Zoom Optical System	US 10495862	United States
Zoom Optical System	US 10409044	United States
Zoom Optical System	CN 201811023566.0	China
Zoom Optical System	EP 3450837	Validated in DE, FR, GB, NL
Dichroic Patterning for Subtractive Color Mixing	US 10605421	United States
Dichroic Patterning for Subtractive Color Mixing	CN 201811022585.1	China

Description	Number	Region
Dichroic Patterning for Subtractive Color Mixing	EP 3450839	Validated in DE, FR, GB, NL
Lamp Change System for an Automated Luminaire	US 10539307	United States
Lamp Change System for an Automated Luminaire	CN 201811022589.X	China
Lamp Change System for an Automated Luminaire	EP 3450840	Validated in DE, FR, GB, NL
Framing System for an Automated Luminaire	US 10724710	United States
Framing System for an Automated Luminaire	EP 3450836	Validated in BE, FR, DE, IT, NL, GB
Framing System for an Automated Luminaire	HK 1261143	Hong Kong Patent
LED Cooling System	EP 2753877	Validated in DE, FR, GB
Improved LED Luminaire Cooling System	EP 2753876	Validated in DE, FR, GB
An Improved Light Collimation System	EP 2810121	Validated in DE, FR, GB
Framing Shutter System for a Luminaire	US 9366415	United States
An Improved Framing Shutter System for a Luminaire	CN 201380065386	China
An Improved Framing Shutter System for a Luminaire	EP 3058270	Validated in DE, FR, GB and IE
Luminaire with Articulated Elongated Light Beam Homogenizer	EP 2920507	Validated in DE, FR, and GB
Homogenization System for an LED Luminaire	US 9885461	United States
Homogenization System for an LED Luminaire	US 10133080	United States
Improved Homogenization System for an LED Luminaire	EP 2943719	Validated in BE, DE, FR and GB
Homogenization System for an LED Luminaire	US 10371956	United States
Homogenization System for an LED Luminaire	US 10883704	United States
Homogenization System for an LED Luminaire	CN 202010236633.8	China
Homogenization System for an LED Luminaire	EP 3715704	Validated in BE, DE, FR, GB and NL
Luminaire Output Lens Array	US D861,233	United States
Light Pipes for LED Array Luminaire	US 10495802	United States
Light Pipes for LED Array Luminaire	US 10725221	United States
Light Pipes for LED Array Luminaire	EP 3575852	Validated in BE, DE, FR and GB
Head Balance Control System for an Automated Luminaire	EP 3623697	Validated in BE, DE, FR, and GB
Head Balance Control System for an Automated Luminaire	US 10955116	United States
Sensorless Homing for Stepper Motor System	US 10848085	United States
Sensorless Homing for Stepper Motor System	EP 3651327	Validated in DE, FR, and GB
Carrying Handle for an Automated Moving-Mirror Luminaire	US 10941928	United States
Carrying Handle for an Automated Moving-Mirror Luminaire	EP 3767170	European Application
Disturbance Sensing System for an Automated Moving-Mirror Luminaire	US10794571	United States
Disturbance Sensing System for an Automated Moving-Mirror Luminaire	EP 3770494	Validated in DE, FR, and GB
Removable LED Module	US 11013079	United States

Description	Number	Region
Removable LED Module with Rotated LED Emitter Groups	US 11051373	United States
Removable LED Module with Zonal Intensity Control	US 11032882	United States
Removable LED Module	CN 112555782	China
Removable LED Module	EP 3799532	European Application
Removable LED Module with Rotated LED Emitter Groups	EP 3800393	European Application
Removable LED Module with Zonal Intensity Control	EP 3800394	European Application
Removable LED Module with Zonal Intensity Control	CN 113498228	China
Removable LED Module	US 11252795	United States
Removable LED Module	CN 113685740	China
Removable LED Module	EP 3951247	European Application
System and Method for Matching Light Output from LED Luminaires	US 11330684	United States
System and Method for Matching Light Output from LED Luminaires	CN 202010916061.8	China
System and Method for Matching Light Output from LED Luminaires	EP 3790362	Validated in BE, DE, FR, and GB
Braking System for an Automated Luminaire	US 10969091	United States
Braking System for an Automated Luminaire	CN 202010917471.4	China
Braking System for an Automated Luminaire	EP 3789669	European Application
Braking System for an Automated Luminaire	US 11703213	United States
Braking System for an Automated Luminaire	EP 3964750	European Application
Braking System for an Automated Luminaire	CN 202110862464.3	China
System and Method for Producing a Blending Light Distribution from LED Luminaires	US 11175017	United States
System and Method for Producing a Blending Light Distribution from LED Luminaires	CN 202011202132.4	China
System and Method for Producing a Blending Light Distribution from LED Luminaires	EP 3816504	Validated in BE, DE, FR, GB, and NL
Duv Control of a Luminaire Beam Color	CN 114763883	China
Duv Control of a Luminaire Beam Color	EP 4030871	European Application
Duv Control of a Luminaire Beam Color	US 11428384	United States
Luminaire Optical Device Color Compensation	US 12188655	United States
Luminaire Optical Device Color Compensation	CN 117469608	China
Luminaire Optical Device Color Compensation	EP 4306844	European Application
Luminaire Optical Device Color Compensation	US 2025/0137617	United States
Absolute Position Sensing System for Stepper Motor Mechanism	CN 202210343191.6	China
Absolute Position Sensing System for Stepper Motor Mechanism	EP 4068593	European Application
Absolute Position Sensing System for Stepper Motor Mechanism	US 11774075	United States
Spectral Adjustment of an LED Array	US 11879635	United States

Description	Number	Region
Spectral Adjustment of an LED Array	CN 116123487	China
Spectral Adjustment of an LED Array	EP 4180713	European Application
Homogenization of an LED Array	US 11767964	United States
Homogenization of an LED Array	CN 116123468	China
Homogenization of an LED Array	EP 4180711	Validated in BE, DE, FR, GB and NL
Homogenization of an LED Array	US 12117159	United States
Homogenization of an LED Array	EP 4411210	European Application
System and Method for Controlling the Humidity and Pressure in a Luminaire	US 11549679	United States
System and Method for Controlling the Humidity and Pressure in a Luminaire	CN 117308062	China
System and Method for Controlling the Humidity and Pressure in a Luminaire	EP 4299979	Validated in BE, DE, FR, GB, and NL
System and Method for Controlling the Humidity and Pressure in a Luminaire	CN 117308063	China
System and Method for Controlling the Humidity and Pressure in a Luminaire	EP 4299980	Validated in BE, DE, FR, GB, and NL
System and Method for Controlling the Humidity and Pressure in a Luminaire	US 12085267	United States
System and Method for Controlling the Humidity and Pressure in a Luminaire	US 2023/0414531	United States
System and Method for Controlling the Humidity and Pressure in a Luminaire	EP 4491942	European Application
System and Method for Controlling the Humidity and Pressure in a Luminaire	US 2024/0410559	United States
System and Method for Controlling the Humidity and Pressure in a Luminaire	EP 40115809	European Application
System and Method for Controlling the Humidity and Pressure in a Luminaire	EP 4579128	European Application
Detecting and Reporting the Status of an Overvoltage Protection Device	US 11967819	United States
Detecting and Reporting the Status of an Overvoltage Protection Device	CN 117638835	China
Detecting and Reporting the Status of an Overvoltage Protection Device	EP 4344066	European Application
Detecting and Reporting the Status of an Overvoltage Protection Device	EP 4518069	European Application
Lens for an Ingress Protected Stage Luminaire	US 2024/0240783	United States
Lens for an Ingress Protected Stage Luminaire	CN 118729190	China
Lens for an Ingress Protected Stage Luminaire	EP 4443046	European Application
System for a Low-Profile Stage Luminaire	US 12203615	United States
System for a Low-Profile Stage Luminaire	CN 118729188	China
System for a Low-Profile Stage Luminaire	EP 4455545	European Application

Description	Number	Region
System for a Low-Profile Stage Luminaire	HK 40112551	Hong Kong Application
Beam Control System for an Automated Luminaire	US 12234973	United States
Beam Control System for an Automated Luminaire	CN 118816133	China
Beam Control System for an Automated Luminaire	EP 4459356	European Application
Beam Control System for an Automated Luminaire	HK 40111849	Hong Kong Application
Optical System for an Automated Luminaire	US 12345390	United States
Optical System for an Automated Luminaire	CN 119532676	China
Optical System for an Automated Luminaire	EP 4521018	European Application
Optical System for an Automated Luminaire	US 12228267	United States
Optical System for an Automated Luminaire	CN 119532677	China
Optical System for an Automated Luminaire	EP 4524464	European Application
Range Sensing and Safety System for a Luminaire	US 12328802	United States
Range Sensing and Safety System for a Luminaire	CN 119545597	China
Range Sensing and Safety System for a Luminaire	EP 4518582	European Application
Light Source Alignment System	US 2024/0401779	United States
Light Source Alignment System	CN 119532667	China
Light Source Alignment System	EP 4517166	European Application
Systems for a Luminaire	US 12259109	United States
Systems for a Luminaire	CN 119554603	China
Systems for a Luminaire	EP 4521017	European Application
Systems for a Luminaire	US 2024/0418349	United States
Systems for a Luminaire	CN 119554622	China
Systems for a Luminaire	EP 4517159	European Application
Systems for a Luminaire	US 2025/0207761	United States
Coating for a Framing Shutter for a Luminaire	US 12352410	United States
Coating for a Framing Shutter for a Luminaire	CN 120044736	China
Coating for a Framing Shutter for a Luminaire	EP 4560189	European Application
Removable Lens System for a Luminaire	US 12181144	United States
Removable Lens System for a Luminaire	EP 4596960	European Application
Lighting Effect System	US 12072070	United States
Luminaire Safety System	US 2025/0212305	United States
Lighting Control Console	EM 015053830-0001	European Design Patent
Lighting Control Console	D1083846	United States
Lighting Control Console	D1083847	United States



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