

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.

**Light source**

MSL™ 1400W Multi-spectral LED engine

**Light output**

31.250 lm (integrating sphere)

25.000 lm (goniophotometer)

**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

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

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 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: Independent 6 facet linear prism rotating in both directions at variable speed
 - Prism 2: Independent 6 facet circular prism rotating in both directions at variable speed
- 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.
- BARS™ - Brake Attribute Retention System (Patented) applied for internal movement affecting beam distribution

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)

Static gobos

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

Rotating gobos

- 6x rotating glass gobos
- Outside diameter: 30.8 mm
- Image diameter: 25 mm
- Thickness: 1.1 mm
- Max. thickness: 3.5 mm
- High temperature borofloat or better glass
- Patented slot & lock system for easy replacement of gobos

Effect wheel

- Single animation wheel
- Material: Aluminium
- Diameter: 121 mm
- Can be used alone or in combination with rotating gobos
- Rotating in both directions at variable speed

Framing shutters system

- Patented Plano4 FC™ framing shutters module
- Full curtain framing shutters: 4 Blades, each with separate movement and +- 25° rotation control
- Movement: smooth with variable speed
- Smooth and very precise motion of framing shutters
- Rotation: +- 60° of the complete framing system

Thermal specification

- Maximum ambient temperature: 45°C (113°F)
- Maximum surface temperature: 70°C (158°F)
- Minimum operating temperature: -5°C (23°F)
- Total heat dissipation: max. 4350 BTU/h (calculated)

Noise Levels

- Sound pressure level:
 - 23 dB(A) at 1 m (quiet mode)
 - 29 dB(A) at 1 m (auto mode)
- Sound power level:
 - 31 dB(A) (quiet mode)
 - 37 dB(A) (auto mode)

Electrical specification and connections

- Power supply: Electronic auto-ranging
- Input voltage range: 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: 10980033
- Power cord including powerCON TRUE1 In connector
- Gel frame adaptor

Optional accessories

- UpLift™ Removable Handles (2 pcs): 10981220
- Top hat
- Doughty Trigger Clamp: 17030386
- Omega Adaptor Tall CL - 2 pcs in box: 10980501
- Safety wire 50 kg: 99011957
- Single Top Loader Case: 10120386
- Dual Top Loader Case: 10120387
- Foam Shell: 20020535

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