

T3 Profile FS™

Building on the success of the acclaimed Robe T-Series and RobeSpot™ remote controlled followspot system, the T3 Profile FS™ elevates high-power multispectral performance to the ultimate level.

**Light source**

MSL™ 1400W Multi-spectral LED engine

**Light output**

40.200 lm (integrating sphere)

33.000 lm (goniophotometer)

**Zoom range**

6° - 65°

**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, CPC - Convection Passive Cooling mode

Equipped with a digital camera on its head, it can be easily connected with the RoboSpot™ BaseStation. Designed for Long-Throw applications, it delivers unparalleled output, light quality and precise colour control for the most demanding users.

Delivering over 40.200 lumens (integrating sphere) from its 1.400W MSL™ (Multi-Spectral-Light) LED engine, the T3 Profile FS™ stays true to its theatrical heritage. Excelling at nuanced colour work, it offers user selectable CMY, RGB or individual colour emitter control for advanced professionals.

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 6° - 65° 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 FS™ 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.

Used with, or independently of the RoboSpot system, the T3 Profile FS™ is the ultimate Long-Throw multi-spectral luminaire, ready for today's leading theatrical and broadcast designers.

T3 Profile FS™ - 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 11:1

Zoom range: 6° - 65°, covers favoured field angles of most Theatre and TV lights

Fixture total lumen output:

- 40.200 lm (integrating sphere)
- 33.000 lm (goniophotometer)

Output lens diameter: 208 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 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)

+ - 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

CPC™ Convection Passive Cooling Mode disables all fans for completely silent, convection-only cooling

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)

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

Camera

Type: XNZ-L6320A

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

Zoom:

- 32x optical zoom
- 32x digital zoom

Streaming: H.265, H.264, MJPEG Codec, Multiple streaming

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

Minimum illumination: 0.05 Lux

Thermal specification

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

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

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

Total heat dissipation: max. 5.800 BTU/h (calculated)

Noise Levels

Sound pressure level:

- 27 dB(A) at 1 m (quiet mode)
- 37 dB(A) at 1 m (auto mode)

Sound power level:

- 35 dB(A) (quiet mode)
- 45 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 out: RJ45 - camera video output

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: 46.8 kg (103.2 lbs)
Ingress protection rating: IP20

Rigging

Mounting positions: 0°, 32°, 90°
Universal operating position
Mounting points: 5 pairs of 1/4-turn locking points
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: 10980033
powerCON TRUE1 In connector, EU: 13052405-01
powerCON TRUE1 In connector, US: 13052406-01
Gel frame adaptor: 99019521

Optional accessories

UpLift™ Removable Handles (2 pcs): 10981220
Top hat: 10981426
Doughty Trigger Clamp: 17030386
Omega Adaptor Tall CL (2 pcs): 10980501
Omega Adaptor T CL (2pcs): 10980184
Safety wire 50 kg: 99011957
Single Top Loader Case: 10120386
Dual Top Loader Case: 10120387
Foam Shell: 20020535

Legal

T3 Profile FS™ is a Trademark of Robe lighting s. r. o.

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

Gobos&Colours

Rotating Gobo Wheel



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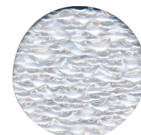
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Static Gobo Wheel



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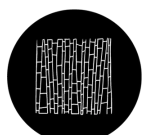
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