ROBE lighting s.r.o., Hazovice 2090
75661 Roznov pod Radhostem
Czech Republic

Tel: +420-571-751500
Fax: +420-571-751515
Email: info@robe.cz

T15 PC™

Catering to the needs of broadcast, film, and theatrical professionals who seek compact yet powerful manual wash luminaires, the T15 Fresnel™ and T15 PC™ emerge as an indispensable addition to the acclaimed Robe T Series.

Light source

MSL-TE™ 350W LED Engine (Patented)

Light output

11.960 lm

Zoom range

10°- 72°

Effects

Virtual colour wheel, tungsten lamp effect, motorized Zoom

Tailored for smaller television studios and performance spaces, the T15 fixtures uphold the esteemed standards of T-Series MSL™ Multi-spectral light quality.

Powered by the internally designed, developed, and manufactured MSL-TE™ 350W LED TRANSFERABLE ENGINE, they boast a remarkable output of 11.960 lumens (integrating sphere) through their 200mm front lenses. This innovative LED technology not only ensures identical colour characteristics, responses, and control as other T Series luminaires but also guarantees absolute colour consistency across your entire Robe lighting setup.

The innovative TRANSFERABLE ENGINES empower users to maintain light quality in a cost-effective manner through effortless engine changes, without the need for specialized tools. Furthermore, they ease cost-effective adoption to the latest LED advancements as they become available, significantly extending the fixture's lifespan and maximizing return on investment.

The T15 Fresnel™ and T15 PC™ effortlessly deliver a classic soft Fresnel or more defined PC wash beams, complemented by a motorized 7.2:1 ratio
10 - 72° zoom range. Leveraging the latest ZoomStat™ motorized zoom system, all optical elements stay enclosed within the fixture, ensuring the front
lens remains fixed and shielded from particle ingestion and visual movement distraction.

With colour control via CMY, RGB or individual RGBAL emitter control, the fixture offers a virtually controlled CCT range from 2,700K to 8,000K,
calibrated whites, and tungsten emulation, the T15 Fresnel™ and T15 PC™ provide precise control over all lighting scenarios. Exceptional rendering of
skin tones is ensured through the luminaire's high TLCI and TM30-18 ratings, along with an outstanding virtual CRI control from 80 to 95.

In combination with our renowned L3™ Low Light Linearity 18-bit dimming software for imperceptible fades, we offer a choice of three different dimmer
curves to suit your needs.

Designed for both network control or stand alone operation, the luminaire features two backlit faders for direct zoom and intensity control.

Designed for operation in noise-sensitive environments, the T15 Fresnel™ and T15 PC™ come equipped with a comprehensive suite of fan settings to
cater to even the most discerning users. The incorporation of AirLOC™ (Less Optical Cleaning) technology minimizes airflow over the optical elements,
resulting in reduced residue deposits and remarkably quiet operation.

To remotely lock the zoom firmly in place through unlimited power cycles, the BARS™ (Brake Attribute Retention System) can be applied directly from
your console.

To guarantee full acceptance in TV studios, or on-location sets, the T15 luminaires feature Cpulse™ flicker-free software and a dedicated plus and
minus green channel control. Additionally, the rapid-change front lens system enables swift transformation into a Fresnel fixture, offering wash luminaire flexibility without the need for separate generic purchases.

A full range of accessories is available, including four and eight leaf barndoors and a pole op kit.

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

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Technical Specification

Source

- Light source type: MSL-TE™ 350W LED Engine (Patented)
- LED Engine output: 16.700 lm
- LED life expectancy: min. 40.000 hours
- Colour rendition: CRI: 95, CRI R9: 96, TM30-18 Rf: 92, TM30-18 Rg: 106, TLCI: 91
- Typical lumen maintenance: L70/B50 @ 40.000 hours
- Light source warranty: 4 years or 20.000 hours

Optical system

- Robe's proprietary optical design
- Profile zoom lens system
- High-efficiency zoom optical system, ratio 7.2:1
- Zoom range: 10° - 72°
- Fixture total lumen output:
  - 11.960 lm (integrating sphere)
  - 9.566 lm (goniophotometer)
- Output lens diameter: 200 mm
- Optional PC and Fresnel zoom lens systems

Main features

- Colour mixing: CMY/RGB or RGBAL
- White light: Variable CCT standard range 2.700K - 8.000K, extended range 1.800K – 10.000K
- DataSwatch™ filters: pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K
- Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)
- + - Green correction function
- Adjustable CRI: from 80 to 95+
- Motorised zoom
- Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects
- High resolution electronic dimming: 0 - 100%
- L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black
- Dimmer profile selection: Linear, Square law, Super Square law
- Cpulse™ special flicker-free management for HD and UHD cameras, ready for 8K and 16K
- Extremely quiet operation suitable for all types of production in Theatre and TV
- AirLOC™ (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.
- BARS™ - Brake Attribute Retention System (Patented) applied for Zoom stepper motors
- ZoomStat™ – Patented zoom system that incorporates a stationary front Fresnel or PC lens, boasting an impressively wide beam angle exceeding 70°
- FadeSync™ - Motorized Fader Synchronisation

Control and programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Display: two-row LCD display & 4 control buttons
- Protocols:
  - USITT DMX-512, RDM
  - ArtNet, MA Net, MA Net2, sACN
- REAP™ - Robe Ethernet Access Portal
- Wireless CRMX™ technology from Lumen Radio - on request
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request
- DMX Protocol modes: 6
- Control channels: 20, 10, 24, 7, 2, 1
- Variable CCT: 8 bit
- + - Green correction: 8 bit
- Colour mixing: 8 or 16 bit (internal 18 bit)
- Dimmer: 8 or 16 bit (internal 18 bit)

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)

Noise Levels

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

Electrical specification and connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: Max. 440 W
- Power connector in/out: Neutrik powerCON TRUE1 in/out
- DMX and RDM data in/out: Locking 5-pin XLR
- Ethernet port in: RJ45
- Ethernet port in/out: RJ45 for Embedded Epass™ switch 10/100 Mbps - on request

Approvals

- CE Compliant
- cETLus Compliant

Environmental Information

- EPD Registration Number: EPD-IES-0026118:001

Mechanical specification

- Height: 493 mm (19.4")
- Width: 321 mm (12.63")
- Depth: 498 mm (19.6")
- Weight: 14.5 kg (31.9 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

Optional accessories

- T11/T15 TE™ 350W Multi-Spectral LED Engine: 14080070
- T11/T15 TE™ 350W TGW White LED Engine: 14080090
- T11/T15 TE™ 350W DL White LED Engine: 14080089
- T11/T15 TE™ 350W TW White LED Engine: 14080094
- Doughty Trigger Clamp
- Wireless DMX external module: 10980127
- Top hat: 10981234
- Safety wire 36 kg: 99011963
- T15 Fresnel lens module: 10981024
- T11/T15 Incline Adaptor: 10980853
- T11/T15 Mounting bracket - short: 10980886
- T11/T15 Mounting bracket - short B: 10981134
- Pole operated yoke: 10980667
- Gel Frame T15: 10981027
- 4-leaf Barndoor module: 10981010
- 8-leaf Barndoor module: 10981011
- Floor stand: 10981014
- Upgrade kit EPASS T11/T15: 99030428
- Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor: 13052405
- Mains Cable powerCON TRUE1 In/US, 2m, Indoor: 13052406
- Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor: 13052439
- Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor: 13052445
- Mains Cable powerCON TRUE1 In/Open ended, 2m, Indoor: 13052407
- Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor: 13052440
- Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor: 13052444
- Single Top Loader Case: 10120346
- Dual Top Loader Case: 10120347
- Foam Shell: 20020471

Legal

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