T11 Fresnel™

Our unique T11 Fresnel™ delivers both superb performance and total generic flexibility!

Light source

TE™ 350W Multi-Spectral LED engine

Light output

10.085 lm, CRI 95+, + - Green Correction Function, Cpulse™ special flicker free management for HD and UHD cameras, ready for 8K and 16K up to 25.000Hz

Zoom range

manual 5°- 60°

Effects

Manual internal barndoors, Frost

Building on the superb MSL™ (Multi-Spectral Light) colour concept, and innovative TE™ technology, our static T11 Fresnel™ maintains the exceptional colour finesse of the phenomenally successful T-Series. With a fast, interchangeable front lens system, the T11 Fresnel™ offers absolute, cost-effective flexibility while delivering superb optical quality.

With the MSL-TE™ 350W LED Engine generating over 10.085 lm from the Fresnel 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, while we ensure skin tones are perfectly rendered due to T11's high TLCI and TM30-18 ratings and exceptional CRI of 95+.

Capitalizing on the benefits of TRANSFERABLE ENGINES to address the need for task-specific LED solutions, we introduce two additional TRANSFERABLE ENGINE options. The TE™ 350 LED DL (Daylight) White 6.000 K engine boasts a CRI of 97 and yields over 5.700 lm, while the TE™ 350 LED TGW (Tungsten White) White 3.200 K engine delivers over 4.500 lm with a CRI of 97, as measured in an integrating sphere.

High-definition optics deliver the classically soft Fresnel style beam, with a wide-ranging 5-60° zoom range.

Our innovative manual shuttering system, functioning as an internal barn door, is both accurate and easy to use. Fitted in the fixture is a manual 1° MagFrost™ for instant softening, with a 5° MagFrost™ stored on the magnetic holder within the fixture. Other optional frosts are available.

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

The unobtrusive T11 Fresnel is specifically designed to operate in any noise-sensitive environment, with TV studio use enhanced via Cpulse™ flicker-free software and a dedicated plus and minus green channel control.

Utilizing the rapid-change front lens system, the T11 Fresnel™ quickly transforms into a Profile or PC fixture for total luminaire flexibility without the cost of separate generic purchases.

T11 The three into one generic solution!

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

Technical Specification

Source

- Light source type: MSL-TE™ 350W LED Engine (Patented)
- LED Engine output: 16.700 lm
- Colour rendition:
    - CRI: 95, CRI R9: 96, TM30-18 Rf: 92, TM30-18 Rg: 106, TLCI: 91
- LED life expectancy: min. 50.000 hours
- 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: ratio 12:1
- Zoom range: 5° - 60°
- Fixture total lumen output:
    - 10.085 lm (integrating sphere)
    - 8.032 lm (goniophotometer)
- Optional Profile and PC zoom lens systems
- Output lens diameter: 160 mm

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

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+

- Manual framing shutters: framing shutters module with 4 individually positionable blades

- MagFrost™ - magnetic paddle fast change system providing exchangeable frost containing as standard a medium 5° for even wash

- 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

- Cpulse™ special flicker-free management for HD and UHD cameras, ready for 8K and 16K up to 25.000Hz

- 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.

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)

- Dimmer: 8 or 16 bit (internal 18 bit)

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

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. 420 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: 493 mm (19.4")
- Width: 385 mm (15.15")
- Depth: 653 mm (25.7")
- Weight: 14.5 kg (31.5 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
- Frost 1° (exchange) assembled: 10980578
- Frost 5° (exchange) assembled: 10980573

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

Optional accessories

- T11 TE™ 350W Multi-Spectral LED Engine: 14080070
- T11 TE™ 350W TGW White LED Engine: 14080090
- T11 TE™ 350W DL White LED Engine: 14080089
- Doughty Trigger Clamp: 17030386
- Wireless DMX external module: 10980127
- Safety wire 36 kg: 99011963
- T11 PC lens module: 10980645
- T11 Profile lens module: 10980647
- T11 Incline Adaptor: 10980853
- Pole operated yoke: 10980667
- T11 Mounting bracket - short: 10980886
- Floor stand: 10981014
- Frost 0.5° (exchange) assembled: 10980583
- Frost 3.5° (exchange) assembled: 10980668 Frost 10° (exchange) assembled: 10980497
- Frost 20° (exchange) assembled: 10980574
- Frost 30° (exchange) assembled: 10980584
- Gobo Holder R size: 10980655
- Drop-in gobo and iris module: 10980649
- Hot-spot lens: 10980666
- Gel frame: 10980372
- Barndoor module: 10980349
- Top Hat 50° T11/TX1 black: 10980768
- Top Hat 30° T11 black: 10980701
- Half Top Hat 30° T11 black: 10980764
- T11 SoftBox Adaptor : 10980751
- T11 Cyc/Flood Light Module: 10980769
- 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: 10120279
- Single Top Loader Trolley case: 10120281
- Dual Top Loader Case: 10120282
- Foam Shell: 20020425

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

Legal

- T11 Fresnel™ is a Trademark of Robe lighting s. r. o.

- T11 Fresnel™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents