



PROFILE™  
FRESNEL™  
PC™



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PROFILE™  
FRESNEL™

PC™





**Harnessing the superb MSL™ (Multi-Spectral Light) colour concept with our revolutionary TE™ technology, our T11 generic series brings you the same exceptional T Series colour finesse, high-definition optics, and beam control all within one standard housing. With a choice of quick-change front lenses, T11 is the all-encompassing range of Profile, Fresnel, and PC that includes the following technologies:**

MSL-TE 350W™ TRANSFERABLE ENGINE – Self-referencing, data capturing, rapid changing TE Multi-Spectral light source for cost-effective exchange or replacement, with adjustable CCT from 2.700K to 8.000K, CRI 95+ and 9.500 lm fixture output

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

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

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

RCC™ - Robe Colour Calibration system

MagFrost™ - Integral fast change frost filters

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request

Being specifically designed for noise-sensitive environments, T11, with its compact, single body interchangeable front-lens approach, provides maximum cost-effective flexibility. The MSL-TE™ sourced Profile, PC and Fresnel contain all the features top lighting designers demand. These include wide zoom ranges of 5-50° for the Profile, and 5-60° for the PC and Fresnel; separate +/-green hue control channel; interchangeable 1° and 5° frosts; 4 individual plane shutter system with shutter lock; optional drop-in iris and gobo module with two rotating and three static gobos.

The variable CCT of 2.700K to 8.000K, tungsten emulation, and CRI up to 96, ensures T11s, with their exceptional light quality and control, will fit into any lighting design.

**Without compromise, the feature packed T11 Series, with single, interchangeable lenses and frosts, brings you greater generic flexibility than ever before.**

T11 Profile™



T11 Fresnel™



T11 PC™



## MSL-TE™ Multi-Spectral LED Light source

The new revolutionary MSL-TE 350W™ LED self-referencing, data capturing, Multi-Spectral TRANSFERABLE ENGINE permits rapid change for cost-effective exchange or replacement and provides a fixture output reaching 9.500 lumens (T11 Profile), high quality spectrum of CRI 95+, TLCI 91, adjustable CCT from 2.700K to 8.000K and additive colour mixing with CMY control mode.



CMY/  
RGB  
Colour  
Mixing



## True White Colours

Factory calibrated whites and colours via the new RCC™ Robe Colour Calibration system allow quick direct calling of whites of any colour temperature from 2.700K to 8.000K.



## Tungsten Effect

The Halogen lamp mode provides emulation of 750W, 1.000W, 1.200W, 2.000W and 2.500W tungsten lamps. The dimmer channel initiates halogen lamp-like behaviour (red effect and thermal delay) for each lamp type during dimming.



## Drop-in Gobo/Iris Module

Optional combination drop-in Gobo/Iris module with two rotating and three static breakup gobos for increased creativity.



### T11 Profile™

Static Gobos



Rotating Gobos



## Framing Shutters Module

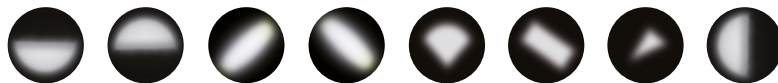
T11 features a manual, four individual plane shutter module with a shutter lock for maintained precision.



### T11 Profile™



### T11 Fresnel™ / T11 PC™





Finally, the one body generic fixture solution you have been searching for is here! Our unique T11 solves all your multiple luminaire challenges.

Building on the superb MSL™ (Multi-Spectral Light) colour concept and innovative TE™ technology, T11 brings you the same exceptional colour finesse, high-definition optics, wide-ranging zoom, and beam control all within one standard housing. With a choice of quick-change front lenses, T11 is an all-encompassing, cost-saving Profile, Fresnel, or PC.

The MSL-TE™ 350W LED Engine generates over 16.760 lm and with all advantages of cost, exchange or replacement, this technology provides the identical colour characteristics, control, and responses of our phenomenally successful T series, giving absolute colour consistency across your T Series rig.

The virtually controlled CCT range of 2.700K to 8.000K, 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.

The profile features an extreme 10:1 ratio 5-50° zoom range within its compact 15 kg frame. The innovative manual shuttering system is both accurate and easy to use. Integral to the fixture is a manual 1° MagFrost™ for instant softening, with an optional 5° frost available.

Fitting the Fresnel lens gives you that classic style beam, while the PC lens provides a more defined beam. Both lenses create a manually operated 5-60° zoom, with the manually operated shutters providing barndoor ability for further beam control, without the danger of them being easily disturbed. These are supplied with 5° MagFrost™ as standard.

The unobtrusive T11 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.

**T11 - The three into one generic solution!**



## Source

- Light source type: MSL-TE™ 350W LED Engine
- 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: 3 years or 20.000 hours

- 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.

- 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

## 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)

## 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. 420W
- Power connector in/out: Neutrik powerCON TRUE1 in/out
- DMX and RDM data in/out: Locking 5-pin XLR
- Ethernet port in/out: RJ45 for Embedded Epass™ switch 10/100 Mbps - on request

## Optical System

- Robe's proprietary optical design
- High-efficiency manual zoom with high definition optics:
  - T11 Profile - ratio 10:1, zoom range 5°- 50°
  - T11 Fresnel / PC - ratio 12:1, zoom range 5°- 60°
- Fixture total lumen output
  - T11 Profile: 11.850 lm (integrating sphere) 9.500 lm (goniophotometer)
  - T11 Fresnel: 12.050 lm (integrating sphere) 9.600 lm (goniophotometer)
  - T11 PC: 11.750 lm (integrating sphere) 9.400 lm (goniophotometer)

## Main Features

- 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
- 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
- Optional drop-in 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

## Rotating Gobos for T11 Profile

- 2x rotating glass gobos - supplied 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
- Slot & lock system for easy replacement of gobo

## Static Gobos for T11 Profile

- 1x static glass gobo - supplied as standard including the gobo holder
- 3x static glass gobos - supplied with optional drop-in gobo module
- Outside diameter: 26.8 mm

## Approvals

- CE Compliant
- cETLus Compliant

## Mechanical Specification

- Height: 493 mm (19.4")
- Width: 385 mm (15.15")
- Depth: 653 mm (25.7")
- Weight
  - T11 Profile: 15.7 kg (34.6 lbs); 16.9 kg (37.3 lbs) including drop-in gobo module
  - T11 Fresnel: 14.3 kg (31.5 lbs)
  - T11 PC: 14.3 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
- Gobo Holder R size with gobo (T11 Profile): 10980655

## Optional Accessories

- Doughty Trigger Clamp
- Wireless DMX external module: 10980127
- Safety wire 36 kg: 99011963
- T11 Profile lens module: 10980647
- T11 Fresnel lens module: 10980644
- T11 PC lens module: 10980645
- Pole operated yoke: 10980667
- Frost 0.5° (exchange) assembled: 10980583
- Frost 3.5° (exchange) assembled: 10980668
- Frost 1° (exchange) assembled: 10980578 (T11 Fresnel, T11 PC)
- Frost 5° (exchange) assembled: 10980573 (T11 Profile)
- Frost 10° (exchange) assembled: 10980497
- Frost 20° (exchange) assembled: 10980574
- Frost 30° (exchange) assembled: 10980584
- Gobo Holder R size: 10980655 (T11 Fresnel, T11 PC)
- Drop-in gobo and iris module: 10980649
- Hot-spot lens: 10980666
- Gel frame: 10980372
- Barndoor module: 10980349
- Top hat
- Half top hat
- 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
- Dual Top Loader Case
- Foam Shell: 20020425

## Legal

- T11 Profile™, T11 Fresnel™, T11 PC™ are Trademarks of Robe lighting s. r. o.
- T11 Profile™, T11 Fresnel™, T11 PC™ are patented by Robe lighting s. r. o. and are protected by one or more pending or issued patents

