

# T11 Profile™

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

**Light source**

TE™ 350W Multi-Spectral LED engine

**Light output**

12.000 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°- 50°

**Effects**

manual Framing shutters, Frost, Static gobo, optional drop-in module with motorised Iris, Static and Rotating gobo.



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

With the MSL-TE™ 350W LED Engine generating over 12.000 lm from the Profile 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 6.800 lm, while the TE™ 350 LED TGW (Tungsten White) White 3.200 K engine delivers over 5.500 lm with a CRI of 97, as measured in an integrating sphere.

High-definition optics deliver precise projection, beam control, and an extreme, wide-ranging 10:1 ratio 5-50° zoom range, from its single, integral lens tube, without additional lens tubes or optical variants.

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.

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.

To increase gobo capacity from the single breakup gobo and holder included with the fixture, an optional drop-in module with two rotating and three static gobos using our standard slot and lock system is available. Furthermore, a motorised iris is included. Easy to install, this allows dual projection of both static and rotating gobos to produce dynamic effects.

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

*T11 The three into one generic solution!*

# Technical Specification

## Source

- Light source type: MSL-TE™ 350W LED Engine (Patented)
- LED Engine output: 16.700 lm
- LED life expectancy: min. 50.000 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 50.000 hours

## Optical system

- Robe's proprietary optical design
- Profile zoom lens system
- High-efficiency manual zoom: High definition optics: ratio 10:1, zoom range 5°- 50°
- Fixture total lumen output
  - 12.000 lm (integrating sphere)
  - 9.500 lm (goniophotometer)
- 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+
- Manual framing shutters: framing shutters module with 4 individually positionable blades
- Optional drop-in gobo 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, 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)
- Gobo indexing & rotation: 8 or 16 bit
- Iris: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

## Rotating gobos

- 2x rotating glass gobos: (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
- Patented slot & lock system for easy replacement of gobos

## Static gobos

- 1x static glass gobo: (3x with optional drop-in gobo module)
- Outside diameter: 26.8 mm
- Image diameter: 23.5 mm
- Thickness: 1.1 mm
- High temperature borofloat or better glass
- Gobo holder R size: slot & lock system for easy replacement of gobos

## 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:
  - 15.7 kg (34.6 lbs)
  - 16.9 kg (37.3 lbs) with optional drop-in gobo module
- 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: 10980655
- Frost 1° (exchange) assembled: 10980578
- Frost 5° (exchange) assembled: 10980573

## 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 Fresnel lens module: 10980644
- T11 PC lens module: 10980645
- T11 Incline Adaptor: 10980853
- Pole operated yoke: 10980667
- T11 Mounting bracket - short: 10980886
- Robin T11 MFS handles: 10980717
- Drop-in manual Iris: 10980677
- T11 iris lever extension: 10980889
- 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
- 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

## Legal

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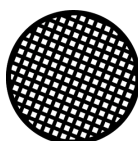


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## Fixed Gobo Wheel



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## Fixed Gobo Wheel 1



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