ROBE lighting s.r.o., Hazovice 2090
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# T10 Profile™

Offering a more compact design for smaller theatres and studios, the T10 Profile™ retains all the features and benefits of our larger award winning T11 Profile™ to deliver both superb performance and total generic flexibility!

**Light source**

MSL-TE™ 200W LED Engine (Patented)

**Light output**

8.300 lm (integrating sphere)
6.600 lm (goniophotometer)

**Zoom range**

5°-55°

**Effects**

manual framing shutters, frost, static gobo, optional drop-in module with motorised iris, static and rotating gobo

The T10 Profile uses the MSL™ (Multi-Spectral Light) additive colour mixing concept combined with innovative TE™ technology to maintain the exceptional colour finesse of the T-Series.

To generate greater output from the compact T10 200W design without overdriving the LEDs, we developed ECHO2™ (Enhanced Colour Homogenisation and Output) technology. This patented design dramatically increases lumens per watt performance and ensures flawless white and colour homogenisation, removing tint inconsistencies, colour spots, and fringing to deliver pure, consistent light every time.

With the MSL-TE™ 200W LED Engine generating over 8.300 lm 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.

The virtually controlled CRI of 80-95+ delivers perfect colour rendition and flawless skin tones. For fast programming there is an onboard virtual DataSwatch™ colour library.

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TRANSFERABLE ENGINE flexibility addresses the need for task-specific LED solutions, with three other TRANSFERABLE ENGINE options available - TE™ 200W LED DL (Daylight) White 6.000 K; TE™ 200W LED TGW (Tungsten White) White 3.200 K; TE™ 200W LED TW (Tuneable White) White 3.200 - 5600K.

High-definition optics deliver precise projection, beam control, and an extreme, wide-ranging 5°-55° zoom range, from its single, integral lens tube, without the need for additional lens tubes.

The unobtrusive T10 is specifically designed to operate in noise-sensitive environments, with TV studio use enhanced via Cpulse™ flicker-free software and a dedicated plus and minus green control channel. All fixture controls are available in standalone mode via the rear display and control knobs.

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 simultaneous use of both static and rotating gobos to produce dynamic effects.

Utilizing the rapid-change front lens system, the T10 Profile™ quickly transforms into a Fresnel or PC fixture for total luminaire flexibility without the cost of separate generic purchases.

**T10 - The three into one generic solution!**

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# Technical Specification

## Source

- Light source type: MSL-TE™ 200W LED Engine (Patented)
- LED Engine output: 10.500 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 11:1
- Zoom range: 5° - 55°
- Fixture total lumen output:
  - 8.300 lm (integrating sphere)
  - 6.600 lm (goniophotometer)
- Optional PC and Fresnel zoom lens systems

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# Main features

- Colour mixing: CMY/RGB or RGBAL

- 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: 80 - 95+

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

- Optional Drop-in Gobo Module:motorised iris, 2 rotating gobos, 1 static gobo

- Optional Drop-in Manual Iris Module

- 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

- FIRM™ - (Frost Insert Ring Mechanism) achieving perfect diffusion is as simple as turning the onboard, flush-mounted wheel

- 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

- 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.

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

- ECHO2™ - (Enhanced Colour Homogenisation and Output) technology. This patented solution dramatically increases lumens per watt performance and ensures flawless white and colour homogenisation, removing tint inconsistencies, colour spots, and fringing to deliver pure, consistent light every time

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## Control and programming

- Setting & Addressing:
  - two-row LCD display & 4 control buttons
  - NFC app controller
- 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, 5, 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: 18 mm
- Thickness: 1.1 mm
- Max. thickness: 4.0 mm
- High temperature borofloat or better glass
- Patented slot & lock system for easy replacement of gobo

## Static gobos

- 1x static glass gobo: (1x with optional drop-in gobo module)
- Outside diameter: 21.3 mm
- Image diameter: 18 mm
- Thickness: 1.1 mm
- Max. thickness: 3.5 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. 275 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: 416 mm
- Width: 311 mm
- Depth: 555 mm
- Weight:
  - 9.9 kg (21.8 lbs)
  - 10.6 kg (23.4 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: 10981444
- Frost 1° (exchange) assembled: 10981150
- Frost 5° (exchange) assembled: 10981151

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## Optional accessories

- T10 TE™ 200W Multi-Spectral LED Engine: 14080107
- T10 TE™ 200W TGW White LED Engine
- T10 TE™ 200W DL White LED Engine
- T10 TE™ 200W TW White LED Engine
- Doughty Trigger Clamp: 17030386
- T10 Fresnel lens module: 10981406
- T10 PC lens module: 10981407
- Wireless DMX external module: 10980127
- Safety wire 36 kg: 99011963
- Incline Adaptor
- Pole operated yoke: 10981411
- Mounting bracket
- Drop-in manual Iris: 10981443
- Iris lever extension: 10980889
- Floor stand: 10981014
- Frost 0.5° (exchange) assembled: 10981149
- Frost 10° (exchange) assembled: 10981152
- Frost 20° (exchange) assembled: 10981153
- Frost 30° (exchange) assembled: 10981154
- Drop-in gobo and iris module: 10981412
- Rotating Gobo Holder R size: 10981449
- Hot-spot lens
- Gel frame: 10981408
- Barndoor module: 10981409
- Top Hat 55°: 10981410
- Top Hat 30°
- Half Top Hat
- Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor: 13052405
- Mains Cable powerCON TRUE1 In/US, 2m, Indoor: 13052406
- 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, EU, 2m, Indoor: 13052439
- Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor: 13052440
- Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor: 13052444
- Single Top Loader Case: 10120388
- Single Top Loader Trolley case: 10120389
- Dual Top Loader Case: 10120390

- Quad Top Loader Case: 10120403
- Foam Shell: 20020536

## Legal

- T10 Profile™ is a Trademark of Robe lighting s. r. o.
- T10 Profile™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

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# Gobos&Colours

## Rotating Gobo Wheel


15020469


15020470

## Fixed Gobo Wheel 1


15020100

## Fixed Gobo Wheel 2


15020472