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

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Fax: +420-571-751515
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T2 Profile™

T2. Taking Multispectral perfection even further! While simultaneously maintaining the absolute colour finesse of Robe's phenomenally successful T1 series, featuring the MSL™ (Multi-Spectral) LED engine, our T2 Profile™ provides an enhanced output of more than 22.000 lumens, measured at the front lens, via its 850W MSL™ source, to throw their beautiful light even further than before. With a zoom range of 5–55°, T2 Profile™ is ideally suited to its longer-throw role in theatre, television, and touring.

Light source

MSL™ 850 W Multi-Spectral LED engine

Light output

up to 22.000 lm, CRI 95+, + - Green Correction Function, Cpulse™ special flicker free management for HD and UHD cameras

Zoom range

5° - 55°

Effects

Rotating gobo wheel, Static gobo wheel, Animation Wheel, Framing Shutters, 6-facet circular and linear prisms

T2 Profile™ is again full of theatrical subtlety. With CMY colour control, DataSwatch™ filters containing a selection of pre-programmed colours via our renowned RCC™ (Robe Colour Calibration) algorithm and a wide-ranging 2.700K to 8.000K CCT control, all variations of colour are possible. With absolutely no difference in colour produced by T1 and T2 platforms, you can use them together with confidence to provide consistent colour across your lighting rig, perfect for even the most demanding designers.

The precise needs of theatrical dimming are catered for with our super-smooth L3™ dimming system producing imperceptible fades to black. The high CRI of 95+ assures natural rendition of all skin tones. Specifically, for television work, we have included a plus and minus green channel and the Cpulse™ flicker-free management system for all vision systems including HD and UHD cameras, all controllable directly from your console. All this combined with our acclaimed four plane shuttering system, two rotating gobo wheels, an animation wheel, two rotating prisms, changeable 1° and 5° variable frosts with full zoom range coverage, gives you total control over your designs.

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Designed to operate in noise-sensitive environments such as television studios, theatres, and houses of worship, T2 utilises our innovative AirLOC™ system. Meaning "Less Optical Cleaning," this technology not only aids noise reduction but also dramatically reduces the level of airborne particles drawn over the optics, keeping them in pristine condition for far longer.

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Technical Specification

Source

- Light source type: MSL™ 850 W Multi-Spectral LED engine (Patented)
- LED life expectancy: min. 40.000 hours
- Colour rendition:

  CRI: 95, CRI R9: 91, TM30-18 Rf: 93, TM30-18 Rg: 103, TLCI: 94

- Typical lumen maintenance: L70/B50 @ 40.000 hours
- Light source warranty: 3 years or 20.000 hours

Optical system

- Robe's proprietary optical design
- High-efficiency zoom optical system, ratio 11:1
- Zoom range: 5° - 55°, covers favoured field angles of most Theatre and TV lights
- Fixture total lumen output:
  - 22.000 lm (integrating sphere)
  - 17.600 lm (goniophotometer)
- Output lens diameter: 180 mm

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Dynamic Effects and Features

- Factory calibrated whites and colours via the new RCC™ (Robe Colour Calibration) system, automatic or on-call self-re-calibration of the LED engine without the use of any external tool (Patent pending)

- 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 and 8.000K

- 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+

- MCE™ - Split and multicoloured effects created directly from the LED engine (Patented)

- Framing shutters: Patented Plano4™ framing shutters module with 4 individually positionable blades plus rotation of the complete frame system + - 60°

- Rotating gobo wheel: 6 rotating, indexable and replaceable breakup and aerial gobos + open, all gobos specially selected for theatrical and TV productions, patented slot & lock system

- Static gobo wheel: 8 static, replaceable breakup gobos + open, all gobos specially selected for theatrical and TV productions, patented slot & lock system

- MLP™ - Patented Multi-Level Prisms allow multiple prisms to be "stacked" while retaining individual speed and direction control. With variable shape and size it creates unlimited dynamic, multi-level flower and beam effects:

  - Prism 1: Independent 6 facet linear prism rotating in both directions at variable speed

  - Prism 2: Independent 6 facet circular prism rotating in both directions at variable speed

- Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed

- Iris: Motorized, stepless, pulse effects up to 3 Hz

- Frosts: MagFrost™ - magnetic paddle fast change system providing exchangeable frosts containing as standard a very light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even wash, both specifically selected for theatre and TV use

- Motorized 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

- Extremely quiet operation suitable for all types of production in Theatre and TV

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

- 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.

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Control and programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)

- Display: QVGA Robe screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, built-in analyser for easy fault finding, NFC app controller

- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN

- REAP™ - Robe Ethernet Access Portal

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

- Wireless CRMX™ technology from Lumen Radio - on request

- DMX Protocol modes: 3

- Control channels: 52, 36, 56

- Pan & Tilt resolution: 16 bit

- Colour mixing: 8 or 16 bit (internal 18 bit)

- Variable CCT: 8 bit

- Adjustable CRI: 8 bit

- + - Green correction: 8 bit

- Framing shutters module movement & rotation: 8 bit

- Rotating gobo wheel positioning: 8 bit

- Gobo indexing & rotation: 8 or 16 bit

- Animation wheel: 8 bit

- Prism indexing & rotation: 8 bit

- Iris: 8 or 16 bit

- Frost: 8 bit

- Zoom: 8 or 16 bit

- Focus: 8 or 16 bit

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

Movement

- Pan movement: 540°

- Tilt movement: 270°

- Movement control: Standard and Speed

- Automatic Pan & Tilt position correction

- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)
- MAPS™ - Motionless absolute positioning system for Pan & Tilt (Patented) - on request

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Static gobos

- 8x static glass gobos
- Outside diameter: 30.8 mm
- Image diameter: 25 mm
- Thickness: 1.1 mm
- Max. thickness: 3.5 mm
- High temperature borofloat or better glass
- Patented slot & lock system for easy replacement of gobos

Rotating gobos

- 6x rotating glass gobos
- Outside diameter: 30.8 mm
- Image diameter: 25 mm
- Thickness: 1.1 mm
- Max. thickness: 3.5 mm
- High temperature borofloat or better glass
- Patented slot & lock system for easy replacement of gobos

Effect wheel

- Single animation wheel
- Material: Aluminium
- Diameter: 121 mm
- Can be used alone or in combination with rotating gobos
- Rotating in both directions at variable speed

Framing shutters system

- Patented Plano4™ framing shutters module
- Shutters: 4 Blades, each with separate movement and +- 25° rotation control
- Movement: smooth with variable speed
- Smooth and very precise motion of framing shutters
- Rotation: +- 60° of the complete framing system

Thermal specification

- Maximum ambient temperature: 45°C (113°F)
- Maximum surface temperature: 70°C (158°F)
- Minimum operating temperature: -5°C (23°F)
- Total heat dissipation: max. 3924 BTU/h (calculated)

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Noise Levels

- Sound pressure level:
  - 23 dB(A) at 1 m (quiet mode)
  - 29 dB(A) at 1 m (auto mode)
- Sound power level:
  - 31 dB(A) (quiet mode)
  - 37 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. 1150 W
- Power connector in: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in/out: RJ45 for Embedded Epass™ switch 10/100 Mbps
- USB connector (series A) for lightmaster purposes

Approvals

- CE Compliant
- cETLus Compliant

Mechanical specification

- Height: 802 mm (31.6") - head in vertical position
- Width: 483 mm (19")
- Depth: 335 mm (13.2") - head in vertical position
- Weight: 36.9 kg (81.4 lbs)
- Ingress protection rating: IP20

Rigging

- Mounting positions: 0°, 32°, 90°
- Universal operating position
- Mounting points: 5 pairs of 1/4-turn locking points
- 2x Omega adaptors with 1/4-turn quick locks
- Safety cable attachment point
- Pan & Tilt transport locks

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Included items

- User Manual
- Omega Adaptor CL-regular 2 pcs: 10980033
- Power cord including powerCON TRUE1 In connector
- Gel frame adaptor: 99016721

Optional accessories

- 7.5" Gel Frame: 10980561
- Top hat: 10980591
- Top Hat 35°: 10981200
- Frost 0.5° (exchange) assembled: 10980581
- Frost 1° (exchange) assembled: 10980564
- Frost 3.5° (exchange) assembled: 10981037
- Frost 5° (exchange) assembled: 10980565
- Frost 10° (exchange) assembled: 10980556
- Frost 20° (exchange) assembled: 10980577
- Frost 30° (exchange) assembled: 10980582
- FS BMFL/ESPRITE/FORTE/T2 Handles - 2 pcs in box: 10980233
- Doughty Trigger Clamp: 17030386
- Omega Adaptor Tall CL-regular 2 pcs in box: 10980501
- Safety wire 50 kg: 99011957
- Upgrade kit CRMX Universal 260: 99030100
- Single Top Loader Case: 10120271
- Dual Top Loader Case: 10120272
- Foam Shell: 20020396

Legal

- T2 Profile™ is a Trademark of Robe lighting s. r. o.
- T2 Profile™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents
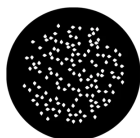
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Gobos&Colours

Rotating Gobo Wheel

15020407	15020408	15020409	15020410	15020411	15040025
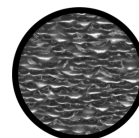
Static Gobo Wheel

15020412	15020413	15020306	15020414	15020308	15020415
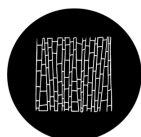
15020416	15020417

Animation Wheel

11020248