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

T2 Fresnel™

T2. Multispectral perfection, only further!
While simultaneously maintaining the absolute colour finesse of Robe's phenomenally successful T1 series, featuring the MSL™ (Multi-Spectral) LED engine, our T2 Fresnel™ provides an enhanced output of more than 15.000 lumens from its 850W MSL™ source.

Light source

MSL™ 850 W Multi-Spectral LED engine

Light output

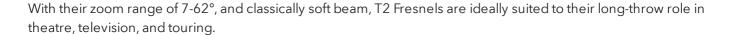15.500 lm, CRI 95+, + - Green Correction Function, Cpulse™ special flicker free management for HD and UHD cameras

Zoom range

7° - 62°

Effects

Beam Shaper (internal barndoors), Scrim Module

With their zoom range of 7-62°, and classically soft beam, T2 Fresnels are ideally suited to their long-throw role in theatre, television, and touring.

T2 Fresnels are 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 variation 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 to with our super-smooth L3™ dimming system producing imperceptible fades to black. The exceptionally 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.

Designed to operate in noise-sensitive environments such as television studios, theatres, and houses of worship, T2 Fresnels utilise 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.

All this combined with our highly acclaimed internal four individually controlled leaf barndoor system, rotational scrim control, two interchangeable frosts and ground-breaking edge control technology, gives you total control over your designs in theatre, television, and touring.

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Technical Specification

Source

- Light source type: MSL™ 850 W Multi-Spectral LED engine
- Colour rendition:
  - CRI: 95, CRI R9: 91, TM30-18 Rf: 93, TM30-18 Rg: 103, TLCI: 94
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- Colour rendition:
  - CRI: 95, CRI R9: 91, TM30-18 Rf: 93, TM30-18 Rg: 103, TLCI: 94

Optical system

- Robe's proprietary optical design
- High-efficiency zoom optical system, ratio 9:1
- Zoom range: 7° - 62°
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- High-efficiency zoom optical system, ratio 9:1
- Zoom range: 7° - 62°

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
- 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

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
- 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
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Movement

- Pan movement: 540°
- Tilt movement: 265°
- Movement control: Standard and Speed
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- Tilt movement: 265°
- Movement control: Standard and Speed

Internal barndoors

- Patented 4Door™ internal barndoors module:
  - Blades: 4 blades, each with separate movement control
  - Rotation: +/- 90° module rotation
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  - Blades: 4 blades, each with separate movement control
  - Rotation: +/- 90° module rotation

Internal Scrim

- Patented RotaScrim™ internal Scrim module:
  - Graduated filter position control
  - Rotation: +/- 180° of the entire module
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  - Graduated filter position control
  - Rotation: +/- 180° of the entire module

Thermal specification

- Maximum ambient temperature: 45°C (113°F)
- Maximum surface temperature: 70°C (158°F)
- Minimum operating temperature: -5°C (23°F)
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- Maximum surface temperature: 70°C (158°F)
- Minimum operating temperature: -5°C (23°F)

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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:
- Sound pressure level:
  - 23 dB(A) at 1 m (quiet mode)
  - 29 dB(A) at 1 m (auto mode)
- Sound power level:

Electrical specification and connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: max. 1150 W
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- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: max. 1150 W

Approvals

- CE Compliant
- cETLus Compliant
- 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
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- Width: 483 mm (19")
- Depth: 335 mm (13.2") - head in vertical position

Rigging

- Mounting positions: 0°, 32°, 90°
- Universal operating position
- Mounting points: 2 pairs of 1/4-turn locking points

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Included items

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

Optional accessories

- Gel frame: 10980561
- Module of PC lens: 10980611
- Doughty Trigger Clamp: 17030386
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- Module of PC lens: 10980611
- Doughty Trigger Clamp: 17030386

Legal

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