

# T1 Fresnel™

T1 Fresnel. The new ONE and only wash fixture you need for theatre, television and touring.

**Light source**

MSL™ 550 W Multi-Spectral LED engine

**Light output**

up to 10.500 lm, CRI 95+, + - Green Correction Function, Cpulse™ special flicker free management for HD and UHD cameras

**Zoom range**

8° - 60°

**Effects**

Beam Shaper (internal barndoors), Scrim Module



Specifically designed to fulfil the challenging requirements of these diverse applications within one wash fixture. The new revolutionary MSL™ (Multi-Spectral Light) LED engine provides an output reaching 10.500 lumens. It's impressively bright.

Using either the Fresnel or PC lens supplied, T1 Fresnel is full of theatrical subtlety. With CMY colour control, DataSwatch™ filters containing a selection of pre programmed colours via the new generation RCC™ (Robe Colour Calibration) algorithm and a wide ranging 2700K to 8000K CCT control - all variations of colour are possible for even the most demanding designers. The precise needs of theatrical dimming are catered to with our new L3™ Low Light Linearity dimming system. In addition, the high CRI of 95+ provides natural skin tones.

For television work, we have included a plus and minus green channel and Cpulse™ flicker-free source management for all vision systems such as HD and UHD cameras.

All this combined with our precise +/- 90° rotatable individually controlled internal barndoor system, a zoom range of 8° to 60°, beam shaper, graduated scrim with 180° rotation and light and medium frosts, the result is total control of your designs in theatre, television and touring.

You need only ONE. T1.

# Technical Specification

## Source

- Light source type: MSL™ 550 W Multi-Spectral LED engine (Patented)
- LED life expectancy: min. 40.000 hours
- Colour rendition:
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- Colour rendition:

## Optical system

- Robe's proprietary optical design
- High - efficiency zoom optical system, ratio 7:1
- Zoom range: 8° - 60°
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- High - efficiency zoom optical system, ratio 7:1
- Zoom range: 8° - 60°

## 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 touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
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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)

## Noise Levels

- Sound pressure level:
  - 24 dB(A) at 1 m (quiet mode)
  - 30 dB(A) at 1 m (auto mode)
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  - 30 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: maximum 750 W at 230 V / 50 Hz (all LEDs On)
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## Approvals

- CE Compliant
- cETLus Compliant
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## Mechanical specification

- Height: 712 mm (28") - head in vertical position
- Width: 400 mm (15.7")
- Depth: 258 mm (10.2") - head in vertical position
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- Width: 400 mm (15.7")
- Depth: 258 mm (10.2") - head in vertical position

## Rigging

- Mounting positions: Horizontally or vertically
- 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: 10980452
- Module of PC lens for T1 Fresnel: 10980449
- Doughty Trigger Clamp: 17030386
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- Doughty Trigger Clamp: 17030386

### **Legal**

- T1 Fresnel™ is a Trademark of Robe lighting s. r. o.
- T1 Fresnel™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents
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