ROBE lighting s.r.o., Hazovice 2090
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T1 Profile™

T1. The new ONE and only fixture you need for theatre, television and touring and now with the option to be connected to the Robe innovative RoboSpot system.



Light source
MSL™ 550 W Multi-Spectral LED engine

Light output
up to 12.600 lm, CRI 95+, + - Green Correction Function, Cpulse™ special flicker free management for HD and UHD cameras

Zoom range
7° - 49°

Effects
Rotating gobo wheel, Animation Wheel, Framing Shutters, 6-facet rotating prism

Specifically designed to fulfil the challenging requirements of these diverse applications within one comprehensive fixture. The new revolutionary MSL™ (Multi-Spectral Light) LED engine's output reaches 12.600 lumens. It's impressively bright.

T1 Profile 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 super smooth Robe 18-bit 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™ special flicker-free management for all vision systems such as HD and UHD cameras. All this combined with our crisp framing shutter system, full zoom range of 0,5° and 10° variable frosts, specially designed breakup and aerial gobos, animation wheel and prism, gives you total control of your designs in theatre, television and touring.

You need only ONE. T1.

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Technical Specification

Source

Light source type: MSL™ 550 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 7:1

Zoom range: 7° - 49°, covers favoured field angles of most Theatre and TV lights

Fixture total lumen output:

- 12.600 lm (integrating sphere)
- 10.075 lm (goniophotometer)

Output lens diameter: 140 mm

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 66 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: 7 rotating, indexable and replaceable breakup and aerial gobos + open, all gobos specially selected for theatrical and TV productions
Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
Prism: 6 - facet 8° prism 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 0.5° for instant softening of the projected gobo or framing shutters, and a medium 10° for even wash, both specifically selected for theatre and TV use
HSL™ - Hot-Spot Lens for LED profiles: From flat field to 6:1 hot-spot (optional)

Motorized zoom and focus

Electronic strobe effect with variable speed up to 20 Hz

Pre-programmed random strobe & pulse effects

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.

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

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 - on request
Wireless CRMX™ technology from Lumen Radio - on request

DMX Protocol modes: 3

Control channels: 49, 33, 53

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: 265°

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

Rotating gobos

7x rotating glass gobos

Image diameter: 23.5 mm

Outside diameter: 26.8 mm

Thickness: 1 mm

Max. thickness: 3.5 mm

High temperature borofloat or better glass

"SLOT&LOCK" system for easy replacement of gobos

Effect wheel

Single animation wheel

Material: Aluminium

Can be used alone or in combination with rotating gobos

Rotating in both directions, 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. 2560 BTU/h (calculated)

Noise Levels

Sound pressure level:

- 24 dB(A) at 1 m (quiet mode)
- 30 dB(A) at 1 m (auto mode)

Sound power level:

- 32 dB(A) (quiet mode)
- 38 dB(A) (auto mode)

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)

Power in connector: Neutrik powerCON TRUE1

DMX and RDM data in/out: Locking 3-pin & 5-pin XLR

Ethernet port in: RJ45

Ethernet port in/out: RJ45 (instead of 3-pin XLR) for Embedded Epass™ switch 10/100 Mbps - on request

USB connector (series A) for lightmaster purposes

Approvals
CE Compliant

cETLus Compliant

Environmental Information
Global Warming Potential: 827 kg CO2e

EPD Registration Number: EPD-IES-0011291:002 (S-P-11291)

Mechanical specification
Height: 726 mm (28.6") - head in vertical position

Width: 400 mm (15.7")

Depth: 258 mm (10.2") - head in vertical position

Weight: 24.3 kg (54 lbs)

Ingress protection rating: IP20

Rigging
Mounting positions: Horizontally or vertically

Universal operating position

Mounting points: 2 pairs of 1/4-turn locking points

2x Omega adaptors with 1/4-turn quick locks

Safety cable attachment point

Pan & Tilt transport locks

Included items
User Manual

Omega Adaptor CL-regular 2 pcs: 10980033

Power cord including powerCON TRUE1 In connector

Gel frame adaptor: 10980440

Optional accessories

7.5" Gel Frame: 10980443 (compatible with standard adaptor 10980440 only)

Gel frame adaptor: T1 with Top Hat 10980474

Top hat: 10980451 (compatible with optional adaptor 10980474 only)

Omega Adaptor T CL (2 pcs): 10980184

Doughty Trigger Clamp: 17030386

Frost 0.5° (exchange) assembled: 10980583

Frost 1° (exchange) assembled: 10980578

Frost 5° (exchange) assembled: 10980573

Frost 10° (exchange) assembled: 10980497

Frost 20° (exchange) assembled: 10980574

Frost 30° (exchange) assembled: 10980584

Hot-Spot lens in gobo holder: 10980483

Safety wire 36 kg: 99011963

Upgrade kit CRMX Universal 260: 99030100

Single Top Loader Case: 10120244-03

Dual Top Loader Case: 10120245-03

Foam Shell: 20020340-01

Legal

T1 Profile™ is a Trademark of Robe lighting s. r. o.

T1 Profile™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

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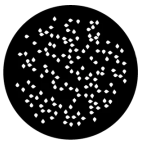
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Gobos&Colours

Rotating Gobo Wheel


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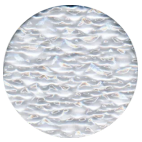

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Animation Wheel


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