ROBE lighting s .r. o., Hazovice 2090
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DL4X Spot™

Improved, brighter version of the ROBE RGBW LED module allows the DL4X Spot fixture to utilize the specifically modified colour mixing and dimming for extra smooth, stepless operation especially at minimum brightness levels while giving colour outputs brighter than a 1200 Watt discharge unit, but with an average very eco-friendly power consumption of only 250 Watts.

Light source

480 W RGBW LED engine

Light output

6.320 lm

Zoom range

10° - 45°

Effects

rotating and static gobo wheel

To magnify the already perfectly smooth colours, fades and dimming, the DL4X features innovative LED driving system for improved, extremely high definition dimming curve for all R, G, B, W colours, with 18 bit resolution. The optical system produces a very smooth, high quality light output of rich, beautiful colours with no shadows and utilizes a versatile zoom of 10 – 45 degrees. Effects features consist of a combination of static and rotating gobo wheels that have custom replaceable positions, variable frost, three-faceted prism, superfast iris and more… including full range dimming and variable strobe effects.

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Technical Specification

Source

- Light source type: 480 W RGBW LED engine
- LED life expectancy: min. 20 000 hours
- Control: Automatic and remote on/off
- Light source warranty: 3 years or 20.000 hours
- Illuminance: 11.230 lx @ 5 m

Optical system

- Robe's proprietary optical design
- High - efficiency zoom optical system, ratio 4.5:1
- Zoom range: 10° - 45°
- Fixture total lumen output: 6.320 lm
- Light output: 11.230 lx @ 5 m

Dynamic Effects and Features

- Colour mixing mode RGBW or CMY
- Variable CTO: 2.700K - 8.000K
- Virtual Colour Wheel: preprogrammed 237 colours including whites (2.700K, 3.200K, 4.200K, 5.600K and 8.000K)
- Tungsten lamp effect at whites: 2.700K and 3.200K
- Rotating gobo wheel: 7 rotating, indexable, replaceable
- Static gobo wheel: 9 static, replaceable
- Prism: 3 - facet 11° prism rotating in both directions at variable speed
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Frost: Separate, variable
- 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%

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
- Wireless CRMX™ technology from Lumen Radio
- DMX Protocol modes: 3
- Control channels: 35, 25, 23
- Pan/Tilt resolution: 16 bit
- Colour mixing: 8 or 16 bit (internal 18 bit)
- Rotating gobo wheel positioning: 8 bit
- Static gobo wheel positioning: 8 bit
- Gobo indexing & rotation: 8 or 16 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: 280°
- Movement control: Standard and Speed
- Controllable speed of Pan/Tilt movement
- Automatic Pan/Tilt position correction

Rotating gobos

- 7x rotating glass gobos
- Image diameter: 25.0 mm
- Outside diameter: 26.8 mm
- Thickness: 1.1 mm
- Max. thickness: 4 mm
- High temperature borofloat or better glass
- "SLOT&LOCK" system for easy replacement of gobos

Static gobos

- 9 x Aluminium gobos
- Outside diameter: 26.9 mm
- Image diameter: 22.5 mm
- Thickness: 0.5 mm
- "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)

Electrical specification and connections

- Power supply: Electronic auto-rangingInput voltage range: 100-240 V, 50/60 Hz
- Power consumption: maximum 550 W at 230 V / 50 Hz (RGBW = full)
- Typical power consumption: 160 - 215 W (one colour = full)
- Power in connector: Neutrik powerCON
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in: RJ45

Approvals

- CE Compliant
- cETLus Compliant

Mechanical specification

- Height: 678 mm (26.7")
- Width: 432 mm (17")
- Depth: 480 mm (18.9") - head in horizontal position
- Weight: 21.4 kg (47.2 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 and Tilt transport locks

Included items

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

Optional accessories

- Doughty Trigger Clamp : 17030386
- Safety wire 35 kg: 99011963
- Single Top Loader Case: 10120078-01
- Dual Top Loader Case: 10120076-01
- Foam Shell: 20020270

Legal

- DL4X Spot™ is a trademark of Robe lighting s.r.o.
- DL4X Spot™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

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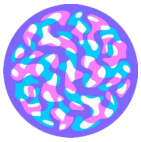
Gobos&Colours

Rotating Gobo Wheel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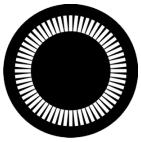
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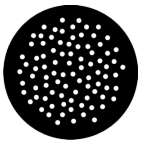
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Static Gobo Wheel

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