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

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.

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.

Light source
480 W RGBW LED engine

LIGHT OUTPUT
6.320 lm

Zoom range
10° - 45°

Effects
rotating and static gobo wheel,

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Technical Specification

SOURCE

- Light source: 480 W RGBW LED engine
- LED engine life expectancy: 20.000 hrs

OPTICAL SYSTEM

- Beam angle: 10°-45°
- Colour mixing mode: RGBW or CMY

ELECTROMECHANICAL EFFECTS

- Static Gobo wheel: 9 replaceable "SLOT&LOCK" gobos (8 metal + one glass)
- Rotating Gobo wheel: 7 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Prism: 3-facet 11° prism rotating in both directions at different speeds
- Frost effect: Separate, variable
- Motorized zoom: 10° (gobo position) - 45° (free hole)
- Focus: Motorized
- Pan: 540°
- Tilt: 280°

CONTROL AND PROGRAMMING

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN, RDM, sACN
- Control channels: 35, 25, 23
- Protocol modes: 3 DMX
- Wireless CRMX™ technology from Lumen Radio as optional accessory
- Programs: 3-editable, each up to 100 steps
- Operation: Stand-alone
- Display: QVGA Robe touch screen with battery backup gravitation sensor for auto screen positioning operation memory service log with RTC Pan/Tilt resolution: 8 or 16 bit
- Movement control: Tracking and vector
- Static gobo wheel positioning: 8 or 16 bit
- Rotating gobo wheel positioning: 8 bit
- Gobo indexing & rotation: 8 or 16 bit
- Colour mixing (Internal 18 bit): RGBW, 8 or 16 bit
- Pre-programmed: 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten effect: Tungsten lamp effect at whites 2.700 K and 3.200 K
- Filter: CTO
- Colour rainbow effects: in both directions with variable speed
- Iris: 8 or 16 bit
- Frost: 8 bit
- Zoom: 8 or 16 bit
- Focus: 8 or 16 bit
- Dimmer (Internal 18 bit): 8 or 16 bit
- Strobe effect: with variable speed, max. 20 flashes per second
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR

- Power input: Neutrik PowerCon
- Built-in analyser for easy fault fading

ROTATING GOBOS

- Outside diameter: 26.8 mm
- Image diameter: 22.0 mm
- Thickness: 1.1 mm (max. thickness = 4 mm)
- Material: High temperature borofloat glass
- "Slot&lock" system for easy replacement of gobos

STATIC GOBOS

- Outside diameter: 26.9 mm
- Image diameter: 22.5 mm
- Thickness: 0.5 mm
- Material: 9x aluminium
- "Slot&lock" system for easy replacement of gobos

THERMAL SPECIFICATION

- Maximum ambient temperature: 45 °C (104 °F)
- Maximum surface temperature: 90 °C (194 °F)

ELECTRICAL SPECIFICATION

- Power supply: Electronic auto-ranging
- Input voltage range: 100-250 V, 50-60 Hz
- Max. power consumption: 550 W @ 230V/50 Hz (RGBW = full)
- Typical power consumption: 160-215 W (one colour = full)

MECHANICAL SPECIFICATION

- Height: 678 mm (26.7") - head in vertical position
- Width: 388 mm (15.3")
- Depth: 480 mm (18.9") - head in horizontal position
- Weight: 21.4 kg (47.2 lbs)
- Fixation option: Pan/Tilt-lock mechanism

RIGGING

- Mounting points: 2 pairs of 1-turn locks
- 2x Omega brackets with 1-turn quick lock

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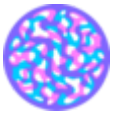
gobos & colours

ROTATING GOBO WHEEL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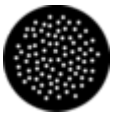
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STATIC GOBO WHEEL

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