ROBE lighting s .r. o., Hazovice 2090
75661 Roznov pod Radhostem
Czech Republic

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ROBIN® DLS Profile

This is the latest product in the DL range of luminaires that use the Robe RGBW LED module. The DLS adds a system of 4 fast, smooth, framing shutters within the optical path design of the proven DLX Spot format. There is individual control of each shutter blade position and angle, together with rotation of the complete framing module. As well as providing a sharp precise or soft frame for the projected image, the system produces a new series of effects through pre-programmed shutter blade shape and movement sequences. As with all models in the Robe DL luminaire range, the multiple shadows normally associated with an LED source have been eliminated.

The Robe RGBW LED light source reproduces both rich and pastel colours at output levels normally associated with 1200 W discharge fixtures as well as pure whites at preselected 2700, 3200, 4200, 5600 and 8000 kelvin colour temperatures. The tungsten emulation function allows the fixture to be integrated seamlessly into lighting schemes with existing traditional lanterns.

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Technical Specification

Source

- Light source: Robe RGBW LED module
- LED module Life Expectancy: 20.000 hrs

Optical system

- Beam angle: 10° – 45°
- RGBW or CMY (8 or 16bit) colour mixing option + variable CTO

Electromechanical effects

- Rotating Gobo wheel: 7 rotating, indexable, replaceable "SLOT&LOCK" metal gobos + open
- Framing shutters: 4 individually positionable blades plus rotation of the complete frame system +-45°
- Aluminium Animation wheel
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Prism: 3-facet 11° prism rotating in both directions at different speeds
- Frost filter: Separate, variable
- Motorized zoom: 10° (gobo position) - 45° (free hole)
- Motorized focus
- Pan: 540°
- Tilt: 280°

Control and programming

- User Interface: Colour Touch Screen - ROBE Navigation System 2 (RNS2), battery backup
- Protocols: DMX-512, RDM, ArtNet, MA Net, MA Net2
- DMX modes (channels): 47, 38, 36
- Wireless DMX version (Lumen CRMX™) available
- 3 user defined programs, each up to 100 steps
- Stand-alone operation
- Pan/Tilt resolution: 8 or 16bit
- Movement control: Tracking and vector
- Rotating gobo wheel positioning: 8bit
- Gobo indexing & rotation: 8 or 16bit
- Virtual colour wheel with pre-programmed 237 colours plus whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp emulation at whites 2700 K and 3200 K
- Variable CTO filter

- Colour rainbow effect, variable speed
- Framing shutters system: 8 bit
- Animation wheel : 8 bit
- Iris: 8 or 16bit
- Frost: 8 bit
- Zoom: 8 or 16bit
- Focus: 8 or 16bit
- Dimmer: 8 or 16bit
- Strobe effect, variable speed (20 flashes per second max.)
- Data in/out: Locking 3-pin & 5-pin XLR, RJ45
- Power connection: Neutrik PowerCon (cable supplied)
- Built-in analyser for easy fault finding

Rotating gobos

- Outside diameter: 26.9 mm
- Image diameter: 22.5 mm
- Thickness: 0.15 mm
- Max. thickness: 4 mm
- High stainless steel or better glass

Effect wheel

- Aluminium Animation wheel
- Can be used alone or in combination with rotating gobos
- Rotating in both directions, variable speed

Framing shutters system

- 4 Blades, each with separate movement and rotation control
- Smooth blade movements, variable speed
- Ultra fast blade movement for creating mid-air effects
- Pre-programmed shape and blade sequences
- +-45° rotation of the complete Framing system

Thermal specification

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

Electrical specification

- Supply input: 100–240 V, 50–60 Hz auto-ranging
- Power consumption: 550 W max. (Typical 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: 22 kg (48.5 lbs)

Rigging

- Mounting points: 2 pairs of ¼-turn locks
- 2x Omega brackets with ¼-turn quick locks
- Pan and Tilt transport locks

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Gobos&Colours

Rotating Gobo Wheel

15010754

15010753

15010752

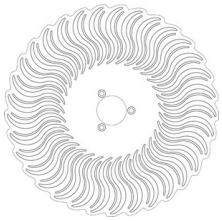
15010751

15010750

15010749

15010748

Animation Wheel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