

ROBIN® DL4S Profile™

Extending the possibilities of the playful, colorful DLS Profile, the new DL4S is equipped with enhanced version of the ROBE RGBW LED module for brighter saturated colours and more powerful output.

To magnify the already perfectly smooth colours, fades and dimming, the DL4S features innovative LED driving system for improved, extremely high definition dimming curve for all R, G, B, W colours, with 18 bit resolution. The DL4S adds a system of 4 fast, smooth, framing shutters within the optical path design of the proven DLS Profile 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 enhanced Robe RGBW LED light source reproduces both rich and pastel colours at output levels normally associated with 1 200 W discharge fixtures as well as pure whites at preselected 2 700, 3 200, 4 200, 5 600 and 8 000 kelvin colour temperatures. The tungsten emulation function allows the fixture to be integrated seamlessly into lighting schemes with existing traditional lanterns.

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 (8 or 16bit) + 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°
- Animation wheel: Aluminium
- 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)
- Focus: Motorized
- 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, sACN

- DMX modes (channels): 47, 38, 36
- Wireless DMX version: Lumen CRMX™ as optional accessory
- Programs: 3-editable, each up to 100 steps
- Stand-alone operation: Yes
- Pan/Tilt resolution: 8 or 16 bit
- Movement control: Tracking and vector
- Rotating gobo wheel positioning: 8 bit
- Gobo indexing & rotation: 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 lamp emulation: Whites 2.700 K and 3.200 K
- CTO filter: Variable
- Colour rainbow effect: Variable speed
- Colour mixing (Internal 18 bit): 8 or 16 bit
- Framing shutters system: 8 bit
- Animation wheel : 8 bit
- 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: 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: 0.25 mm
- Max. Thickness: 4.0 mm
- Material: High temperature borofloat

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: 22.7 kg (48.5 lbs)

Rigging

- Mounting points: 2 pairs of 1-turn locks
- 2x Omega brackets with 1-turn quick locks
- Pan and Tilt transport locks