

# 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.

**Light source**

480 W RGBW LED engine

**Light output**

6.320 lm

**Zoom range**

10° - 45°

**Effects**Rotating gobo wheel, animation wheel,  
framing shutters module

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.

# 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

## 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
- Framing shutters: 4 individually positionable blades plus rotation of the complete frame system +-45°
- Rotating gobo wheel: 7 rotating, indexable, replaceable
- Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
- 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: 48, 38, 36
- Pan/Tilt resolution: 16 bit
- Colour mixing: 8 or 16 bit (internal 18 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: 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: 22.5 mm
- Outside diameter: 26.8 mm
- Thickness: 0.15 mm "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**

- Blades: 4 Blades, each with separate movement and rotation control

- Movement: smooth with variable speed
- Ultra fast blade movement for creating mid-air effects
- Pre-programmed: Shape and blade sequences
- Rotation: +/- 45° of the complete framing system

## 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-ranging
- Input 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: 22.7 kg (48.5 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

- DL4S Profile™ is a trademark of Robe lighting s.r.o.
- DL4S Profile™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## Gobos&Colours

### Rotating Gobo Wheel



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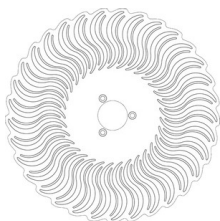


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### Animation Wheel



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