

## ROBIN® DL7S Profile™

The DL7S Profile is the first DL range fixture to receive a powerful new 800W version of the LED engine with seven colours for unprecedented smooth, stable and even colour mixing and a very high CRI of 92.

From the deepest to the lightest colours the DL7S provides a rich full colour spectrum experience, and features custom colour mixing and dimming and seamless operation especially at the minimum brightness levels.

Four fast framing shutters within the optical path are individually controllable for position and angle and the entire framing module can be rotated. Crisp and soft frames can be used on projections, and a new series of effects is possible using a selection of preprogrammed shutter blade shape and movement sequences.

One rotating gobo wheel with six slot&lock gobo positions plus a static gobo wheel with 8 static gobos can be combined with the Animation wheel. Other effects and features include variable frost, rotating prism and super-fast iris. As with all the DL luminaire range, the multiple LED lightsource is completely homogenised.



### Source

- Light source: Robe's 800 W 7 colours LED engine
- LED engine life expectancy: 20.000 hrs
- CRI: >90
- Control: Automatic and remote on/off

### Optical System

- Beam angle: Zoom range 8°- 45°
- Output Lens diameter: 132 mm
- Colour mixing mode: CMY or seven colours (8 or 16 bit) + variable CTO

### Electromechanical Effects

- Static Gobo wheel: 8 replaceable "SLOT&LOCK" gobos (8 glass gobos + open)
- Rotating Gobo wheel: 6 rotating, indexable, replaceable "SLOT&LOCK" glass 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: 5-facet 10° prism rotating in both directions at different speeds
- Frost filter: Separate, variable
- Motorized zoom: 8°- 45°
- Focus: Motorized
- Pan: 540°
- Tilt: 270°
- EMS™: Electronic Motion Stabiliser system for reducing

### Control and Programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Wireless DMX version: Lumen CRMX™ (on request)
- DMX modes (channels): 56, 48
- DMX protocol modes: 2
- Programs: 3-editable, each up to 100 steps
- Stand-alone operation: Yes
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC
- Pan/Tilt resolution: 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
- 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: 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
- Animation wheel rotation: 8 bit
- Dimmer (Internal 18 bit): 8 or 16 bit
- Iris: 8 or 16 bit
- Frost: 8 bit
- Zoom: 8 or 16 bit
- Focus: 8 or 16 bit
- Ethernet port: Art-Net, MA Net, MA Net 2, sACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik PowerCon
- Built-in analyser for easy fault finding

## Static Gobos

- Outside diameter: 30.8 mm
- Image diameter: 25.0 mm
- Thickness: 1.1 mm
- Material: High temperature borofloat or better glass
- "Slot&lock" system for easy replacement of gobos

## Rotating Gobos

- Outside diameter: 30.8 mm
- Image diameter: 25.0 mm
- Thickness: 1.1 mm
- Max. Thickness: 4.0 mm
- Material: High temperature borofloat or better glass
- "Slot&lock" system for easy replacement of gobos

## Framing Shutters System

- Blade: 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

## Animation Wheel

- Material: Aluminium
- Using: Can be used alone or in combination with rotating gobos
- Rotating: In both directions
- Speed: Variable

## Thermal Specification

- Maximum ambient temperature: 45 °C (104 °F)
- Maximum surface temperature: 100 °C (212 °F)

## Electrical Specification

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: 1000 W at 230 V / 50 Hz
- Compliance: CE, cETLus compliant

## Mechanical Specification

- Height: 796 mm (31.3") - head in vertical position
- Width: 321 mm (12.6")
- Depth: 472 mm (18.6") - head in horizontal position
- Weight: 36.0 kg (79.4 lbs)
- Fixation option: Pan/Tilt-lock mechanism

## Rigging

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