

# 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.



## Light source

800 W 7 colours LED engine



## Light output

8.590 lm



## Zoom range

7°- 43°



## Effects

rotating and static gobo wheel, animation wheel, framing shutters module, 5-facet rotating prism



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.

# Technical Specification

## 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
- Light source warranty: 3 years or 20.000 hours
- Illuminance: 17.720 lx @ 5 m

## Optical system

- Robe's proprietary optical design
- High - efficiency zoom optical system, ratio 6:1
- Zoom range: 7° - 43°
- Output lens diameter: 132 mm
- Fixture total lumen output: 8.590 lm
- Light output: 17.720 lx @ 5 m

## Dynamic Effects and Features

- Colour mixing mode RGB/CMY or 7 colours (8 or 16 bit)
- Variable CTO: 2.700K - 8.000K
- Virtual Colour Wheel: with 80 preset swatches
- Tungsten lamp effect at whites: 2700K - 4200K
- Green correction function
- Framing shutters : 4 individually positionable blades plus rotation of the complete frame system +-45°
- Rotating gobo wheel: 6 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Static gobo wheel: 8 static, replaceable "SLOT&LOCK" glass gobos + open
- Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
- Prism: 5 - facet 10° prism rotating in both directions at variable speed
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Frost: Variable, replaceable frost filter 1°; 20° filter included
- 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
- Programs: 3-editable, 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: 4
- DMX modes (channels): 51, 42, 59, 46
- Pan/Tilt resolution: 16 bit
- Colour mixing (Internal 18 bit): 8 or 16 bit
- Framing shutters module movement & rotation: 8 bit
- Rotating gobo wheel positioning: 8 bit
- Static gobo wheel positioning: 8 bit
- Gobo indexing & rotation: 8 or 16 bit
- Animation wheel: 8 bit
- Animation wheel rotation: 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: 270°
- Movement control: Standard and Speed
- Controllable speed of Pan/Tilt movement
- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patent pending)
- Automatic Pan/Tilt position correction

## Rotating gobos

- 6x rotating glass gobos
- Outside diameter: 30.8 mm

- Image diameter: 25.0 mm
- Thickness: 1.1 mm
- Max. Thickness: 3.5 mm
- High temperature borofloat or better glass
- "SLOT&LOCK" system for easy replacement of gobos

### **Static gobos**

- 8x static glass gobos
- Outside diameter: 30.8 mm
- Image diameter: 25.0 mm
- Thickness: 1.1 mm
- High temperature borofloat or better glass
- "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**

- Shutters: 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: 90° of the complete Framing system

### **Thermal specification**

- Maximum ambient temperature: 45 °C (104 °F)
- Maximum surface temperature: 80°C (176°F)
- Minimum operating temperature: -5 °C (23 °F)
- Cooling: Forced air (temperature-regulated, low noise, user-selectable modes)

### **Electrical specification and connections**

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: 1000 W at 230 V / 50 Hz
- Power in connector: Neutric powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR

- Ethernet port in: RJ45

## Approvals

- CE Compliant
- cETLus Compliant

## Mechanical specification

- Height: 796 mm (31.3") - head in vertical position
- Width: 472 mm (18.6")
- Depth: 321 mm (12.6")
- Weight: 36.0 kg (79.4 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
- 20° frost filter
- Omega Adaptor CL-regular 2 pcs
- Power cord including powerCON TRUE1 In connector

## Optional accessories

- Frost 10° (exchange) assembled: 10980288
- Frost 30° (exchange) assembled: 10980289
- Doughty Trigger Clamp: 17030386
- Safety wire 50 kg: 99011957
- Single Top Loader Case: 10120172-02
- Dual Top Loader Case: 10120173-01
- Foam Shell: 20020245-01

## Legal

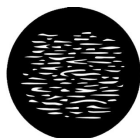
- DL7S Profile™ is a trademark of Robe lighting s. r. o.
- DL7S Profile™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

## Gobos&Colours

### Rotating Gobo Wheel



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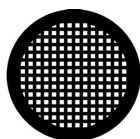
### Static Gobo Wheel



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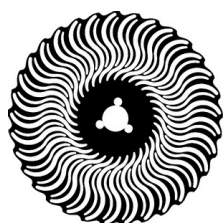


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### Animation Wheel



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