

DL7F Wash™



Let the colours shine and enjoy the feeling of the gorgeous spectrum of stable high CRI chromatics.

Adjust seven colours, individually, to give unprecedented smooth, stable and even colour mixing and a very high CRI of 90 to meet the high standards of your applications. Add or remove green and regulate CTC between 2.700 to 8.000 kelvins via dedicated control channels. Traditional fresnel front lens of the new Robin DL7F Wash ensures a classic look and homogenized conventional beam with high resolution smooth dimmer. The 200 mm diameter fresnel lens is easily interchangeable for optional PC lens. New innovative internal Scrim module of graduated filter can be inserted into the light path and allows rotation of the whole assembly +/- 180° to achieve even wash coverage when projecting onto a non-perpendicular surface. Mechanical features include a newly designed linear motorized zoom of 7°-65° and an interchangeable diffusion filter. The fixture uses an internal barndoor module for creating different shapes. The barndoor module consists of four individually controllable blades and is rotatable by +/- 90°.

- **Light source**

800 W 7 colours LED engine

- **Light output**

Fresnel lens Max. zoom: 8180 lm (Intensity mode, CCT=8000K), 6150 lm (CRI mode, CCT=8000K, CRI=90+) PC lens Max. zoom: 9760 lm (Intensity mode, CCT=8000K), 7200 lm (CRI mode, CCT=8000K, CRI=90+)

- **Zoom range**

8°-65° with Fresnel Lens, 7°-62.5° with PC Lens

- **Effects**

Beam Shaper (internal barndoors), Scrim Module

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

- **Optical System**

1. Fixture total lumen output

- Fresnel lens Max. zoom: 8180 lm (Intensity mode, CCT=8000 K)
- 6150 lm (CRI mode, CCT=8000 K, CRI=90+)
- PC lens Max. zoom: 9760 lm (Intensity mode, CCT=8000 K)
- 7200 lm (CRI mode, CCT=8000 K, CRI=90+)
- Beam angle zoom range
 - 8°-65° with Fresnel Lens
 - 7°-62.5° with PC Lens

- Output Lens diameter: 200 mm
- Colour mixing mode: CMY/RGB or seven colours (8 or 16 bit) + variable CTO
- Interchangeable PC lens

• **Electromechanical Effects**

- Beam Shaper (Internal barndoors): individual position control of 4 "doors", +/- 90° module rotation (Patent pending)
- Scrim module: Graduated filter position control, +/- 180° module rotation (Patent pending)
- Interchangeable frost, two optional filters included
- Motorized zoom
- Edge colour correction
- Pan: 540°, Tilt: 260°
- EMS™: Electronic Motion Stabiliser system for reducing beam deviation caused by truss movement or vibration (Patent pending)

• **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): 34, 29, 42, 33
- DMX protocol modes: 4
- Programs: 3-editable, each up to 100 steps
- Stand-alone operation
- 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
- Virtual colour wheel with 66 preset swatches + 12 Robin BMFL equivalent colours + 10 user colours
- Tungsten lamp emulation: Whites 2.700 K and 3.200 K
- CTC and Green correction function
- CTO filter: Variable
- Colour rainbow effect: Variable speed
- Colour mixing (Internal 18 bit): 8 or 16 bit
- Internal Barndoor module rotation: 8 bit
- Internal Barndoor movement: 8 bit
- Dimmer (Internal 18 bit): 8 or 16 bit
- Frost: 8 bit
- Zoom: 8 or 16 bit
- Edge colour correction: 8 bit
- Strobe effect: with variable speed (max. 20 flashes per second)
- Ethernet port: Art-Net, MA Net, MA Net 2, sACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Built-in analyser for easy fault finding

• 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
- Power in: Neutrik powerCON TRUE1
- Compliance: CE, cETLus

• Mechanical Specification

- Height: 581 mm (22,87") - 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 ¼-turn locks
- Omega brackets: 2x with ¼-turn quick locks

