

# 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 for creating different shapes. The barndoor module consists of four individually controllable blades and is rotatable by +/- 90°.



800 W 7 colours LED engine



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+)



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



Beam Shaper (internal barndoors), Scrim Module

# Technical Specification

## SOURCE

- Light source type: Robe's 800 W 7 colours LED engine
- LED life expectancy: 20.000 hrs
- CRI: 90
- Control: Automatic and remote on/off
- Light source warranty: 3 years or 20.000 hours

## OPTICAL SYSTEM

1. Robe's proprietary optical design
  2. High - efficiency zoom optical system, ratio 9:1
  3. Zoom range:
    - 8°-65° with Fresnel Lens
    - 7°-62.5° with PC Lens
- Output lens diameter: 200 mm
  - Fixture total lumen output:
    - Fresnel lens Max. zoom: 8.180 lm (Intensity mode, CCT 8.000 K), 6.150 lm (CRI mode 90+, CCT 8.000 K)
    - PC lens Max. zoom: 9.760lm (Intensity mode, CCT 8.000 K), 7.200 lm (CRI mode 90+, CCT 8.000 K)
  - Light output:
    - Fresnel lens Min. zoom: 12.400 lx (Intensity mode, CCT 8.000 K)
    - PC lens Min. zoom: 19.070 lx (Intensity mode, CCT 8.000 K)

## DYNAMIC EFFECTS

- Colour mixing mode RGB/CMY or 7 colours (8 or 16 bit)
- Variable CTO: 2.700K - 8.000K
- Virtual Colour Wheel: with 66 preset swatches
- Tungsten lamp effect at whites: 2700K - 4200K
- Green correction function
- Internal barndoors: individual position control of 4 "doors", +/- 90° module rotation (Patent pending)
- Scrim: Graduated filter position control, +/- 180° module rotation (Patent pending)
- Frost: Variable, replaceable 20° frost, optional 10° filter included
- Motorized zoom
- Edge colour correction
- 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: 4
- Control channels: 34, 29, 42, 33
- Pan/Tilt resolution: 16 bit
- Colour mixing: 8 or 16 bit (internal 18 bit)
- Internal barndoor module movement & rotation: 8 bit
- Frost: 8 bit
- Zoom: 8 bit
- Edge colour correction: 8 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

## **THERMAL SPECIFICATION**

- Maximum ambient temperature: 45°C (113°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: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in: RJ45

## **MECHANICAL SPECIFICATION**

- Height: 835 mm (32,9") - head in vertical position
- Width: 321 mm (12.6")
- Depth: 472 mm (18.6") - head in horizontal position
- Weight: 36 kg (79.4 lbs)

## **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

## **APPROVALS**

- CE Compliant
- cETLus Compliant

## **MOVEMENT**

- Pan movement: 540°

- Tilt movement: 260°
- Movement control: Standard and Speed
- Controllable speed of Pan/Tilt movement
- Automatic Pan/Tilt position correction
- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patent pending)

## **INTERNAL BARNDOORS**

- Blades: 4 blades, each with separate movement control
- Rotation: +/- 90° module rotation

## **INCLUDED ITEMS**

- User Manual
- 10° frost filter
- Omega Adaptor CL-regular 2 pcs
- Power cord including powerCON TRUE1 In connector

## **ACCESSORIES**

- Module of PC lens D200 DL7F: 10980282
- Module of fresnel lens D200 DL7F: 10980283
- Top hat: 10980320
- Doughty Trigger Clamp: 17030386
- Safety wire 50 kg: 99011957
- Single Top Loader Case: 10120196-01
- Dual Top Loader Case: 10120197-01

## **LEGAL**

- DL7F Wash is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents