

ROBIN® DL4F Wash™

This is the perfect companion to the ROBIN DL4S Profile, the new ROBIN DL4F Wash is based on the same RGBW LED module with improved brightness and with specifically modified color mixing and dimming for extra smooth, stepless operation especially at minimum brightness levels.

To magnify the already perfectly smooth colours, fades and dimming, the DL4F features innovative LED driving system for improved, extremely high definition dimming curve for all R, G, B, W colours, with 18 bit resolution. With a perfectly smooth output via the front Fresnel lens, this fixture has been optimized for those wanting an even light output with no shadows (RGB breakups and shadows are not present even when on closely positioned trussing or other objects.) Mechanical features include a newly designed linear motorized zoom of 5.5° – 60° and a diffusion filter for extension of the zoom up to 75°. The fixture uses a internal Barndoor module for creating different shapes. The module consists of four individually controllable blades and is rotatable by plus or minus 90 degrees.



Advanced software features include RGBW or CMY colour mixing, a set of calibrated whites, CTO, Tungsten lamp emulation (amber shift) and more.

Source

- Light source: 480 W RGBW LED engine
- LED engine life expectancy: 20.000 hrs

Optical System

- Beam angle: 5.5°-60° (75° with frost)
- Colour mixing mode: RGBW or CMY

Electromechanical Effects

- Four internal barndoors
- Barndoors module rotation: +/- 90°
- Frost effect: Separate, variable
- Motorized zoom: 8° - 55°
- Pan: 540°
- Tilt: 260°

Control and Programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Control channels: 29, 23, 21
- Protocol modes: 3 DMX
- Optional wireless version: CRMX™ technology from Lumen Radio
- Programs: 3-editable programs, 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: 8 or 16 bit
- Movement control: Tracking and vector
- Colour mixing (Internal 18 bit): RGBW (CMY), 8 or 16 bit
- Pre-programmed: 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten effect: Tungsten lamp effect at whites 2.700 K and 3.200 K
- Filter: CTO
- Color rainbow effects: in both directions with variable speed
- Frost: 8 bit
- Zoom: 8 or 16 bit
- Internal Barndoor module station: 8 bit
- Internal Barndoor movement: 8 bit
- Dimmer (Internal 18 bit): 8 or 16 bit
- Strobe effect: with variable speed (max. 20 flashes per second)
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Power input: Neutrik PowerCon
- Built-in analyser for easy fault finding

Internal Barndoor

- Four individually controllable blades
- Rotation 0°-180° (all blades together)

Thermal Specification

- Maximum ambient temperature: 45 °C (104 °F)
- Maximum surface temperature: 90 °C (194 °F)

Electrical Specification

- Power supply: Electronic auto-ranging
- Input voltage range: 100-250 V, 50-60 Hz
- Max. power consumption: 550 W @ 230 V / 50 Hz (RGBW = full)
- Typical power consumption: 160-215 W (one colour = full)



Mechanical Specification

- Height: 681 mm (26.8") - head in vertical position
- Width: 432 mm (17.0")
- Depth: 483 mm (19.0") - head in horizontal position
- Weight: 21.5 kg (47.4 lbs)
- Fixation option: Pan/Tilt-lock mechanism

Rigging

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