

PL-PW-48RGBW (5W)



Overview

The PL-PW-48RGBW (5W) is a high-output IP65-rated 48×5W RGBW LED PAR light, engineered for professional outdoor stages, rental systems, architectural lighting, and large-scale event applications. With 48 high-efficiency 5W RGBW LEDs, the fixture delivers strong, uniform brightness and smooth color mixing, ideal for both wash lighting and color flooding. Featuring high CRI 96 for accurate color reproduction, flicker-free PWM dimming, and a robust weatherproof IP65 housing, this unit performs reliably in harsh outdoor environments, touring stages, and permanent installations. Its multiple DMX channel modes, PowerCON in/out, and wide input voltage make installation and operation fast, stable, and flexible.

Product Specification

Item	Specification
Product Type	IP65 48×5W RGBW LED PAR Light
Light Source	48 pcs RGBW LEDs
LED Power	5W × 48 pcs
Color System	RGBW
CRI (Color Rendering Index)	96
Beam Angle	25° (optional 30° / 45°)
CCT Consistency	±100K
Dimmer	0–100% linear
Strobe Rate	0–20 F.P.S
Flicker-Free	PWM ≥ 2kHz – 25kHz
Control Protocol	DMX512
DMX Channels	3 / 4 / 6 / 7 / 8 CH
Display	Digital display
IP Rating	IP65
Input Voltage	AC 100–240V, auto-sensing
Power Consumption	240W

Feature

- 48 × 5W high-efficiency RGBW LEDs
- High CRI ≥ 96 for true-to-life color rendering
- Flicker-free PWM dimming (≥2kHz–25kHz) – ideal for TV, broadcast & filming
- CCT consistency: ±100K for uniform light output
- Multiple DMX modes: 3 / 4 / 6 / 7 / 8 channels
- Beam angle: 25° (optional 30° / 45°)
- Smooth linear dimming: 0–100%
- Strobe speed: 0–20 F.P.S
- DMX512 control protocol
- End-to-end power and signal linking
- PowerCON in & out
- IP65 waterproof housing for outdoor applications
- Wide input voltage: AC 100–240V auto-sensing
- LED lifetime up to 50,000 hours
- MTBF ≥ 20,000 hours for long-term stable operation
- Rugged touring-grade housing – ideal for rental companies.

Item	Specification
Power Connection	PowerCON in & out
DMX Connection	3-pin XLR in/out
LED Lifetime	50,000 hours
MTBF	≥ 20,000 hours
Dimensions (L×W×H) / Weight	35 × 25 × 31 cm / 9 kg

