

PL-W-24QUAD

Overview

The PL-W-24QUAD is a professional-grade 24×12W RGBW 4-in-1 LED wall washer designed for architectural façade lighting, outdoor stage lighting, landscape illumination, and large-scale event applications.

Equipped with a high color rendering index (CRI ≥ 96), IP65 waterproof protection, and a wide operating voltage of 90–260V, this fixture delivers high brightness, accurate color reproduction, and excellent long-term stability in demanding outdoor environments.

With DMX512 multi-channel control (3/4/6/7/8CH) and high-frequency PWM flicker-free dimming, the PL-W-24QUAD fully meets the requirements for broadcast, video recording, and professional lighting installations.

Product Specification

Item	Specification
Product Type	LED Wall Washer
Light Source	24 × 12W High-Power RGBW 4-in-1 LEDs
Total Power Consumption	300W
LED Lifetime	50,000 hours
MTBF	≥ 20,000 hours
Color Rendering Index (CRI)	≥ 96
CCT Consistency	±100K
Beam Angle	25° (Optional: 15° – 60°)
Dimmer	0–100% Linear
Strobe	0–25 F.P.S
Flicker	Flicker-Free, PWM 2kHz – 25kHz
Control Protocol	DMX512
DMX Channels	3 / 4 / 6 / 7 / 8 Channels
Display	Digital Display
Signal Connection	DMX In/Out, 3-Pin XLR
Operating Voltage	AC 90–260V, 50/60Hz
IP Rating	IP65
Dimensions (L × W × H)/ Weight	330 × 220 × 290 mm/ 8.8 kg

Feature

- 24 × 12W high-power RGBW 4-in-1 LEDs for vibrant full-spectrum color mixing
- CRI ≥ 96 for superior color accuracy
- Beam angle 25° (optional 15°–60°) for flexible lighting design
- Flicker-free PWM dimming (2kHz–25kHz) for professional filming applications
- IP65-rated waterproof housing for outdoor use
- DMX512 control with 3 / 4 / 6 / 7 / 8 channel modes
- Digital display for easy configuration and operation
- CCT consistency ±100K ensures uniform color across multiple units
- LED lifetime up to 50,000 hours
- MTBF ≥ 20,000 hours for reliable long-term operation
- Wide input voltage AC 90–260V, compatible with global power systems.

