

PL-PN-24QUAD

Overview

The PL-PN-24QUAD is a high-output outdoor LED PAR light equipped with 24 × 12W 4-in-1 RGBW LEDs, delivering powerful brightness, smooth color mixing, and uniform wash coverage. With its rugged IP65 waterproof housing, this fixture is designed for outdoor stages, architectural façade lighting, touring productions, festivals, theme parks, and permanent installations.

With CRI 96, tight CCT consistency, and high-frequency flicker-free PWM dimming, the PL-PN-24QUAD fully meets the technical requirements of professional stage lighting, video recording, broadcasting, and livestream environments.

Product Specification

Item	Specification
Model	PL-PN-24QUAD
Fixture Type	Outdoor RGBW LED PAR Light
24 × 12W RGBW 4-in-1 LEDs	24 × 12W RGBW 4-in-1 LEDs
Average LED Lifetime	50,000 hours
CRI (Color Rendering Index)	≥ 96
CCT Consistency	±100K
PWM / Flicker-free	≥ 2kHz – 25kHz
MTBF	≥ 20,000 hours
Beam Angle	25° (optional 30° / 45°)
Dimming	0–100% linear
Strobe	0–20 F.P.S
Control Protocol	DMX 512
DMX Channels	3 / 4 / 5 / 6 / 8 CH
Daisy Chain	Power & DMX In/Out
Display	Digital display
IP Rating	IP65

Feature

- 24 × 12W high-power RGBW 4-in-1 LEDs
- CRI ≥ 96 for accurate and natural color rendering
- CCT Consistency ±100K for uniform white output
- Flicker-free PWM (≥ 2kHz – 25kHz) – camera-safe operation
- IP65 waterproof rating for outdoor and harsh environments
- Beam angle 25° (optional 30° / 45°)
- 0–100% linear dimming for ultra-smooth fades
- Strobe 0–20 F.P.S
- 3 / 4 / 6 / 7 / 8 DMX channels selectable
- DMX 512 control protocol
- End-to-end (daisy-chain) power & signal connection
- Digital display for fast and intuitive setup
- LED lifetime up to 50,000 hours
- MTBF ≥ 20,000 hours for long-term reliability
- Power consumption: 320W
- Heavy-duty aluminum housing, 8.5 kg

Item	Specification
Display	Digital display
IP Rating	IP65
Operating Voltage	AC 100–240V, 50/60Hz (Auto-sensing)
Power Consumption	320W
Power Connection	Power In / Power Out
Signal Connection	3-pin XLR DMX In / Out
Dimensions (L × W × H)/Weight	325 × 335 × 255 mm/8.5 kg