

PL-PD-54RGBW



Overview

The PL-PD-54RGBW is a high-performance LED PAR fixture designed for professional stage lighting, architectural illumination, and event applications. Equipped with 54×3W RGBW LEDs, it delivers powerful output, excellent color mixing, and smooth dimming performance. With a high CRI of 96, flicker-free PWM control up to 25kHz, and stable CCT consistency, this fixture ensures accurate color reproduction for live shows, broadcasting, and video recording. The unit features multiple DMX channel modes, PowerCon I/O, end-to-end connectivity, and a durable housing suitable for continuous daily use.

Product Specification

Item	Specification
Light Source	54×3W RGBW LEDs
LED Lifetime	50,000 hours
CRI	96
CCT Consistency	±100K
MTBF	≥ 20,000 hours
Beam Angle	25° (optional 30°, 45°)
Dimming	0–100% linear
Strobe	0–20 fps
Flicker Control	Flicker-free PWM ≥2kHz – 25kHz
Control Protocol	DMX-512
DMX Modes	3, 4, 6, 7, 8 channels
Display	Digital LED display
Connections	PowerCon In/Out; 3-pin XLR In/Out
Power Supply	AC 90–260V auto-sensing
Power Consumption	180W

Feature

- 54×3W RGBW high-efficiency LEDs for vibrant and uniform color mixing
- High CRI 96 ensuring superior color fidelity
- CCT Consistency ±100K for stable and accurate white tone
- Flicker-free PWM (≥2kHz–25kHz) ideal for film, TV, and livestream
- Multiple DMX modes: 3 / 4 / 6 / 7 / 8 channels
- 0–100% linear dimming with smooth transitions
- Strobe 0–20fps for dynamic effects
- Beam angle 25° (optional 30°, 45°)
- End-to-end PowerCon & DMX connectivity
- Long LED lifetime: 50,000 hours; MTBF ≥ 20,000 hours
- Compact, lightweight design at only 2.8 kg

Item	Specification
IP Rating	IP20
Housing	Durable metal enclosure
Operating Mode	Static color, DMX, master/slave, built-in programs
End-to-End Linking	Supported (Power + DMX)
Physical Size	L 30 cm × W 22 cm × H 32 cm
Weight	2.8 kg

