

PL-PD-54RGBW

Overview

The PL-PD-54RGBW is a high-performance LED PAR fixture equipped with 54 high-power 3W RGBW LEDs, delivering rich, vibrant colors and precise lighting for professional stage, studio, and event applications. Featuring a narrow 25° beam angle (adjustable 15°–60°), linear dimming, flicker-free operation, and strobe effects up to 25 fps, it provides complete creative control. With DMX512 compatibility, master/slave and automatic modes, and an intuitive digital display, it ensures easy programming and integration into any lighting setup. Compact, lightweight, and IP20 rated, it is suitable for professional use in theaters, concerts, broadcast studios, and corporate events.

Feature

- 54×3W RGBW LEDs deliver vibrant, uniform color mixing.
- Linear 0–100% dimming, flicker-free, with strobe up to 25 fps.
- Adjustable beam angle 25° (optional 15°–60°) for versatile lighting effects.
- DMX512, master/slave, and automatic modes; 8 DMX channels.
- Compact, lightweight, IP20; digital display, 50,000h LED lifespan, AC 90–260V, PowerCon & DMX connectivity.

Product Specification

Item	Specification
Light Source	54×3W high-power RGBW LEDs
Beam Angle	25° (optional 15°–60°)
Dimming	0–100% linear, Flicker-free: PWM ≥ 2kHz – 25kHz
Strobe	0–25 fps
Control Modes	DMX512 / Master-Slave / Automatic
DMX Channels	8 channels
Display	Digital display
Lamp Lifetime	50,000 hours (MTBF ≥20,000h)
Power Supply	AC 90–260V, 50/60Hz
Max Power Consumption	180 W
Connections	PowerCon In/Out, DMX 3/5-pin XLR
IP Rating	IP20
Physical Size (W×H×D)	230×220×320 mm
Weight	3 kg

