

PL-PW2-54RGBW

Overview

The PL-PW2-54RGBW is a powerful outdoor LED PAR fixture equipped with 54 × 3W RGBW LEDs (12R, 18G, 18B, 6W), delivering high output brightness, smooth color mixing, and uniform wash coverage. Designed with a robust IP65 waterproof housing, this fixture is ideal for outdoor stages, architectural lighting, facade washing, touring productions, events, and permanent installations.

With CRI ≥ 96, tight CCT consistency, and high-frequency flicker-free PWM control, the PL-PW2-54RGBW meets the requirements of professional stage lighting, broadcasting, filming, and livestream environments.

Product Specification

Item	Specification
Model	PL-PW2-54RGBW
Fixture Type	Outdoor RGBW LED PAR Light
Light Source	54 × 3W RGBW LEDs (12R, 18G, 18B, 6W)
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

- 54 × 3W high-brightness RGBW LEDs (12R, 18G, 18B, 6W)
- CRI ≥ 96 for true-to-life color reproduction
- CCT Consistency ±100K for stable and uniform white output
- Flicker-free PWM (2kHz – 25kHz) – camera-safe operation
- IP65 waterproof – suitable for outdoor and harsh environments
- Beam angle 25° (optional 30° / 45°)
- 0–100% linear dimming for smooth fades
- Strobe 0–20 F.P.S
- 3 / 4 / 5 / 6 / 8 DMX channels selectable
- DMX 512 control protocol
- End-to-end (daisy-chain) power & signal connection
- Digital display for easy setup
- LED lifetime up to 50,000 hours
- MTBF ≥ 20,000 hours for long-term system reliability
- Power consumption only 180W

Item	Specification
Operating Voltage	AC 100–240V, 50/60Hz (Auto-sensing)
Power Consumption	180W
Power Connection	Power In / Power Out
Signal Connection	3-pin XLR DMX In/Out
Dimensions (L × W × H)	290 × 350 × 260 mm
Weight	6.5 kg

