

ZZ-PD-54TRI

Overview

The ZZ-PD-54TRI 54×3W RGB LED Par Light is a professional-grade lighting fixture designed for live performances, events, installations, and video production environments that demand high color accuracy and stable output. Featuring CRI 96, excellent CCT consistency, flicker-free PWM up to 25kHz, and a durable LED engine rated for over 20,000 hours MTBF, this model delivers reliable performance with exceptional color quality. With multiple DMX channel modes, end-to-end power/data linking, and flexible beam angle options, the ZZ-PD-54TRI provides outstanding versatility for both small and large-scale lighting systems.

Product Specification

Item	Specification
LED Type	54 × 3W RGB LEDs
LED Lifetime	50,000 hours
MTBF	≥ 20,000 hours
CRI	96
CCT Consistency	±100K
Beam Angle	25° (optional 30°, 45°)
Dimmer	0–100% linear
Strobe	0–20 fps
Flicker Control	Flicker-free PWM ≥ 2kHz – 25kHz
Item	Specification
Protocol	DMX-512
DMX Channels	3 / 4 / 6 / 7 / 8 channels
Display	Digital display
Connectivity	3-pin XLR DMX In/Out
LED Lifetime	≥ 50,000 Hours

Feature

- 54×3W high-output RGB LEDs with vivid color mixing
- CRI 96 for superior color accuracy and natural skin tones
- Color temperature consistency ±100K for uniform multi-fixture operation
- Flicker-free PWM dimming (≥2kHz–25kHz) – ideal for film and broadcast
- MTBF ≥ 20,000 hours ensures long-term stability and reliability
- Linear 0–100% dimmer with smooth transition
- Beam angle 25° (optional 30°, 45°)
- Multiple DMX modes: 3, 4, 6, 7, 8 channels
- End-to-end power and DMX daisy chain
- Lightweight housing with digital display
- Low power consumption – 230W
- IP20 rating for indoor stage applications

Item	Specification
Input Voltage	AC 90–260V, auto-sensing
Power Consumption	230W
Power Linking	PowerCon In/Out
Housing	Metal / high-strength composite
IP Rating	IP20
Dimensions (L×W×H)/Weight	64.3 × 20 × 20 cm/7.5 kg

