

PL-200SP-Z

Overview

The PL-200SP-Z 200W LED Fresnel Spotlight is a professional lighting fixture designed for theater, studio, and broadcast applications. Featuring a high-performance COB LED source, it delivers soft, uniform illumination with excellent color rendering (CRI ≥ 96) and precise color temperature consistency ($\pm 100K$).

With flicker-free operation (PWM $\geq 2kHz - 25kHz$), the fixture is optimized for film and television environments. The combination of manual zoom (optional electronic zoom), barn doors, and robust construction makes it a versatile and reliable solution for professional lighting design.

Product Specification

Items	Details
Power Supply	AC 90–260V, 50/60Hz (auto sensing)
Power Consumption	200W
Light Source	200W COB LED (Warm White / Cool White)
Color Temperature	3200K / 5600K
CRI	≥ 96
CCT Consistency	$\pm 100K$
LED Lifetime	60,000 – 100,000 hours
MTBF	$\geq 20,000$ hours
Beam Type	Fresnel soft beam
Zoom	Manual zoom (optional electronic zoom)
Dimming	0–100% linear
Flicker-Free	PWM $\geq 2kHz - 25kHz$
Control Protocol	DMX512 (1990 standard)

Feature

- 200W high-power COB LED (Warm White / Cool White)
- High CRI ≥ 96 for accurate color reproduction
- CCT consistency $\pm 100K$ for stable illumination
- Flicker-free operation (PWM $\geq 2kHz - 25kHz$)
- Soft and uniform Fresnel beam output
- Manual zoom with optional electronic zoom
- 4-leaf rotating barn doors for precise beam shaping
- DMX512 control with 2/3 channel modes
- Compact and durable housing for professional use.

Items	Details
DMX Channels	2 / 3 CH
Display	Digital display
Connectivity	DMX 3-pin XLR In/Out
Barn Doors	4-leaf rotating barn doors
Mounting	Yoke mounting bracket
IP Rating	IP20
Dimensions	486 × 276 × 250 mm
Weight	8.5 kg

