PL-PF-A300

▶ Overview

The PL-PF-A300 300W LED Profile Light is a powerful, precision-engineered ellipsoidal spotlight designed for professional stage, theatre, studio, and architectural projection applications. Powered by a high-output 300W COB LED (Warm White / Cool White / RGBW), combined with CRI 96, flicker-free PWM dimming, and ±100K CCT consistency, the fixture delivers exceptional brightness, clean beam edges, and superior color accuracy.

With multiple interchangeable beam angles (19° / 26° / 36° / 50°), manual focus control, and both 2-channel (WW/CW) and 6-channel (RGBW) DMX modes, PL-PF-A300 offers outstanding flexibility for lighting designers, system integrators, and rental companies.

Applications include:

- Professional theatres and performing arts venues
- TV studios and film production
- Conference halls and auditoriums
- Houses of worship
- Exhibition and architectural interior lighting

▶ Product Specification

Item	Specification
Model	PL-PF-A300
Fixture Type	300W LED Profile Light
Light Source	300W COB LED (Warm White / Cool White / RGBW)
Color Temperature (CCT)	2800K – 3300K
CCT Consistency	±100K
CRI (Color Rendering Index)	CRI ≥ 96
Beam Angles	19° / 26° / 36° / 50°
Dimming	0–100% Linear
PWM Frequency	≥ 2kHz – 25kHz (Flicker-Free)
Focus	Manual
Strobe	0–25 F.P.S
Display	Digital Display
Control Protocol	DMX512
DMX Channels	2 CH (WW/CW) / 6 CH (RGBW)
LED Lifetime	≥ 50,000 Hours

▶ Feature

- High-output 300W COB LED (WW / CW / RGBW options)
- Ultra-high CRI 96 for precise color rendering
- CCT consistency ±100K for uniform white across fixtures
- Flicker-free PWM dimming (≥ 2kHz – 25kHz) – camera safe
- Interchangeable beam angles: 19° / 26° / 36° / 50°
- Smooth 0–100% linear dimming
- Manual focus for sharp beam shaping and edge control
- Electronic strobe: 0–25 F.P.S
- DMX512 control with 2CH (WW/CW) and 6CH (RGBW) modes
- Digital display for fast addressing and setup
- Long LED lifetime ≥ 50,000 hours
- High reliability MTBF ≥ 20,000 hours
- Compact design with lightweight aluminum housing
- Ideal for theatre, broadcast, and architectural lighting.

Item	Specification
LED Lifetime	≥ 50,000 Hours
MTBF	≥ 20,000 Hours
Ingress Protection	IP20 (Indoor Use)
Operating Voltage	AC 100–240V
Power Consumption	300W
DMX Connection	3-Pin XLR IN / OUT
Dimensions (L×W×H)/Weight	64.3 × 20 × 20 cm/7.5 kg