PL-AFT-320N

Overview

The PL-AFT-320N is a professional 300W LED Profile Light engineered to deliver high-quality illumination, precise beam control and exceptional color rendering for demanding stage and theatrical applications.
Equipped with a high-power COB LED light source and available in Warm White, Cool White and RGBW configurations, the fixture provides versatile lighting solutions for theatres, television studios, concert stages, auditoriums and professional event productions.
Featuring a high color rendering index of CRI ≥ 96, the PL-AFT-320N ensures accurate and natural color reproduction. Its interchangeable beam angle options of 19°, 26°, 36° and 50°, combined with precision manual focusing, allow flexible control of beam coverage and projection.
Advanced 16-bit linear dimming and high-frequency PWM technology provide smooth brightness transitions and flicker-free operation for professional video and broadcast environments.
Supporting DMX512 and RDM control protocols, the PL-AFT-320N offers flexible system integration and convenient fixture management. Designed for reliable professional operation, it combines optical precision, lighting versatility and consistent performance in a compact 300W profile fixture.

Feature

- High-Performance 300W COB LED: Powerful LED light source with Warm White, Cool White and RGBW configuration options.
- Exceptional Color Rendering: CRI ≥ 96 for accurate, natural and vibrant color reproduction.
- Consistent Color Temperature: CCT stability of ±50K for improved color consistency across multiple fixtures.
- Versatile Beam Angles: Available in 19°, 26°, 36° and 50° beam angle options to accommodate different lighting requirements.
- Precision Manual Focus: Fine manual focusing for accurate beam positioning and controlled light projection.
- 16-bit Smooth Dimming: 0–100% linear dimming with enhanced resolution for precise brightness control.
- Flicker-Free Performance: High-frequency PWM operation from 2kHz to 25kHz, suitable for professional camera and video applications.
- Advanced Strobe Effects: Electronic strobe with variable speed from 0–25 flashes per second.
- Professional DMX Control: DMX512 and RDM compatibility for flexible lighting control and fixture management.
- Extended Operating Reliability: LED lifetime of ≥ 50,000 hours and MTBF of ≥ 30,000 hours.
- Universal Power Supply: AC 100–240V, 50/60Hz for flexible installation and operation.
- Manufactured under an ISO 9001:2015 certified Quality Management System.



Prolite INT'L Electron Limited
45-51 Chatham Road South Tsim Sha Tsui, Hongkong
www.prolite.hk
info@prolite.hk / sales@prolite.hk

PL-AFT-320N

Product Specification

Specification	Details
Fixture Type	Professional LED Profile Light
Model	PL-AFT-320N
Light Source	300W High-Power COB LED
LED Options	Warm White / Cool White / RGBW
Color Temperature (CCT)	2800K–3300K
CCT Consistency	±50K
CRI	≥96
Beam Angles	19° / 26° / 36° / 50°
Dimming	0–100% Smooth Linear Dimming
Dimming Resolution	16-bit
PWM Frequency	2kHz–25kHz
Focus Adjustment	Precision Manual Focus
Strobe	0–25 F.P.S
Display	Digital Display
Control Protocol	DMX512 / RDM
DMX Channels	2CH (WW/CW) / 6CH (RGBW)
LED Lifetime	≥50,000 Hours
MTBF	≥30,000 Hours
Ingress Protection	IP20 Indoor
Operating Voltage	AC 100–240V, 50/60Hz
Power Consumption	300W
DMX Connection	3-Pin XLR IN / OUT
Dimensions / Weight	643 × 200 × 200 mm / 7.5 kg
Quality Management	ISO 9001:2015 Certified Manufacturing System

Prolite INT'L Electron Limited
45-51 Chatham Road South Tsim Sha Tsui, Hongkong
www.prolite.hk
info@prolite.hk / sales@prolite.hk