PL-WT-4N

Overview

Designed for professional stage, theatre and entertainment lighting applications, this high-performance LED fixture features four 100W COB Warm White LEDs, delivering powerful, uniform illumination with exceptional color accuracy and consistency. An optional 60W Cool White configuration provides additional flexibility to meet different lighting requirements.

With a high Color Rendering Index of CRI ≥98 and CCT consistency of ±50K, the fixture ensures accurate color reproduction and stable color performance across multiple units. Its advanced 16-bit dimming system provides smooth, precise brightness control from 0–100%, while selectable high-frequency PWM operation from ≥ 2kHz to 25kHz ensures flicker-free performance for professional camera, broadcast and video production environments.

Featuring independent 4-pixel control, multiple built-in lighting effects and extended DMX channel configurations, the fixture offers versatile creative possibilities and precise lighting control. DMX512 and RDM compatibility enables flexible integration into professional lighting networks, while the intuitive digital display simplifies configuration and operation.

Engineered for long-term reliability, the fixture provides an LED lifetime of ≥60,000 hours and an MTBF of ≥30,000 hours. Integrated overheat protection and intelligent temperature control help maintain stable operating conditions, ensuring dependable performance in demanding professional environments.

Combining high-output COB LED technology, superior color rendering, advanced control capabilities and robust operational reliability, this fixture is an ideal lighting solution for professional stages, theatres, television studios, concert venues and event productions. Manufactured under an ISO 9001:2015 certified Quality Management System.

Feature



- High-Performance COB LEDs: 4 × 100W COB Warm White LEDs, optional 60W Cool White.
- Exceptional Color Rendering: CRI ≥98 for accurate and natural color reproduction.
- Superior Color Consistency: CCT consistency of ±50K.
- Extended Lifetime: LED lifetime ≥60,000 hours; MTBF ≥30,000 hours.
- 16-bit Smooth Dimming: 0–100% linear dimming with high-resolution control.
- Flicker-Free Performance: Selectable PWM frequency from ≥ 2kHz to 25kHz.
- Independent 4-Pixel Control: Individual LED addressing for dynamic lighting effects.
- Professional DMX Control: DMX512 / RDM, 1 / 4 / 8 / 16 channels, Auto and Master/Slave modes.
- Built-in Effects: Multiple lighting effects and preset programs.
- Digital Display: Intuitive menu navigation for easy operation.
- Intelligent Protection: Overheat protection and temperature control.
- Professional Connectivity: PowerCon In/Out and 3-pin or 5-pin XLR DMX connections.
- Universal Power Supply: AC 100–240V, 50/60Hz.
- 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-WT-4N

Product Specification

Specifications	Detail
Light Source	4 × 100W High-Performance COB Warm White LEDs (optional 60W Cool White)
CRI	≥98
CCT Consistency	±50K
LED Lifetime	≥60,000 hours
MTBF	≥30,000 hours
Dimming Resolution	16-bit High-Resolution Dimming
Dimming	0–100% Smooth 16-bit Linear Dimming
PWM Frequency	≥ 2kHz–25kHz
Control Protocol	DMX512 / RDM
Control Modes	1 / 4 / 8 / 16 DMX Channels, Auto, Master/Slave
Built-in Programs	Multiple Built-in Lighting Effects and Preset Programs
Pixel Control	Pixel Control Each LED individually addressable
Display	Digital Display with Intuitive Menu Navigation
Protection	Overheat Protection and Intelligent Temperature Control
Power Supply	AC 100–240V, 50/60Hz
Power Consumption	Max. 400W
Connections	Power In/Out (PowerCon), DMX In/Out (3-pin or 5-pin XLR)
IP Rating	IP20
Dimensions	500 × 410 × 120 mm
Weight	8.5 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