

DESCRIPTION

WNLED is a versatile LED wraparound series which can be used in a broad range of commercial and light industrial applications. This high quality luminaire utilizes the latest solid state lighting and electronic driver technology for optimal performance and energy efficiency.

The WNLED is an ideal choice for either general purpose lighting or higher-grade applications. This series can be the illumination solution in commercial, industrial, retail and residential applications.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Housing consists of die formed cold rolled steel. Ends formed with the housing for strength and provisions for continuous row aligners. Steel end plates with 7/8" KO and light-seal embossment. Driver cover can be removed by taking out four pan screws.

Controls

Equipped standard with a 0-10V continuous dimming driver that works with any standard 0-10V control/dimmer. Dimming range is 10% to 100%; varies by control device. Combine with energy saving products like occupancy sensors, day lighting controls, and lighting relay panels from Cooper Controls (www.coopercontrol.com) to maximize energy savings.

Electrical

Long-Life LED system coupled with electrical driver to deliver optimal performance. LED's available in 3500K or 4000K with a typical CRI 85. Projected life is 60,000 hours at 70% lumen output. CSA listed. Electronic drivers are available for 120-277V applications. A 0-10V dimming driver is standard.

Finish

Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. High reflective paint after fabrication, baked white enamel finish is standard.

Channel/Wireway Cover

Die formed heavy gauge steel. Tight fit for ease of maintenance.

Shielding

Acrylic lens is 100% frost (standard). Sides have inside linear prisms and bottom has pyramidal prisms for low brightness control.

Installation

Fixture may be surface, pendant, or stem mounted. See accessories below for ordering information.

Compliance

CSA Listed. DesignLights™ Consortium Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.

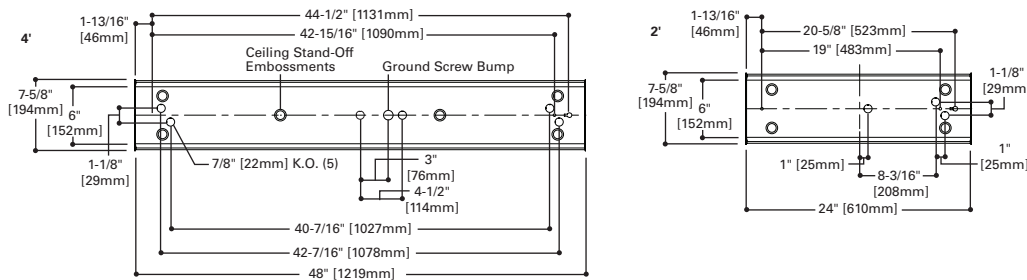


WNLED

Wraparound LED



MOUNTING DATA



WATTAGE

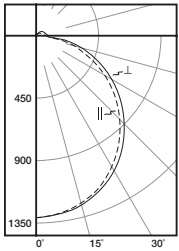
Length	Lumens	Wattage
2 ft.	2700	32
4 ft.	4100	48
4 ft.	5400	65
4 ft.	7000	87

LINEAR DISCONNECT

Safe and convenient means of disconnecting power



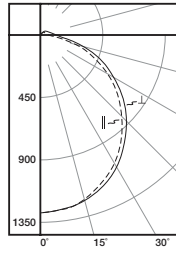
PHOTOMETRICS



4WNLED-LD1-41-F-LW-UNV-L835-CD1-U Electronic Driver 3500K LEDs Spacing criterion: (II) 1.2 x mounting height, (L) 1.3 x mounting height Test Report: 4WNLED-LD1-41-F-LW-UNV-L835-CD1-U

Candlepower

Table with 4 columns: Angle, Along II, 45°, Across ⊥. Rows include values from 0 to 90 degrees.



4WNLED-LD1-54-F-UNV-L835-CD1-U Electronic Driver 3500K LEDs Spacing criterion: (II) 1.2 x mounting height, (L) 1.3 x mounting height Test Report: 4WNLED-LD1-54-F-UNV-L835-CD1-U

Candlepower

Table with 4 columns: Angle, Along II, 45°, Across ⊥. Rows include values from 0 to 90 degrees.

Coefficients of Utilization

Table with Effective floor cavity reflectance (20%) and rows for rc, rw, RCR, and fixture height (0-180).

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Zonal Lumen Summary

Table with columns: Zone, Lumens, %Fixture. Rows include heights from 0-30 to 0-180.

Luminance Data

Table with columns: Angle in Deg, Average 0-Deg cd/sm, Average 45-Deg cd/sm, Average 90-Deg cd/sm. Rows include heights from 45 to 85.

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LUMEN MAINTENANCE

Table with columns: Ambient Temperature, TM-21 Lumen Maintenance (12,000 hours), Theoretical L70 (Hours). Values: 25°C, 80.7%, 85,000.

Max Ambient temp in compliance with CSA: 40°C

ORDERING INFORMATION

SAMPLE NUMBER: 4WNLED-LD1-41-F-UNV-L840-CD1-U

Ordering information flowchart including sections for Length, Series, Lamp Type, LED Lumens Output, Lens, Voltage, Options, Driver Type, Number of Drivers, and Packaging.

ACCESSORIES

- SCF=Fixed Stem Set (Specify Length) SCS=Swivel Stem Set (Specify Length) SCA=Adjustable 48" Stem Set A1B/Spacer-U=Spacer 1-1/2" to 2-1/2" from ceiling (Use 2 per fixture)

NOTES: (1) 2 ft. model. (2) 2 drivers required. (3) 4 ft. model only. (4) EL options are integral. (5) Step-dim only available for 4100 lumen unit. (6) DesignLights™ Consortium Qualified (all lumen packages except 2700 lumen). Refer to www.designlights.org Qualified Products List under Family Models for details. (7) Must specify voltage (120V or 277V) when selecting EL option. (8) For delivered lumens, take lumens per watt of desired fixture and multiply by 10 watts (100 lp/W x 10 = 1000 lumens delivered). (9) EL option not available in 2 ft. version.

For complete product data, reference www.cooperlighting.com. Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information.