

Project		Catalog #		Type	
Prepared by		Notes		Date	



# Metalux

## WNLED

### Utility LED Wraparound

#### Typical Applications

Commercial • Schools • Institutional • Retail • Residential

#### Interactive Menu

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- Product Warranty

#### Product Certification



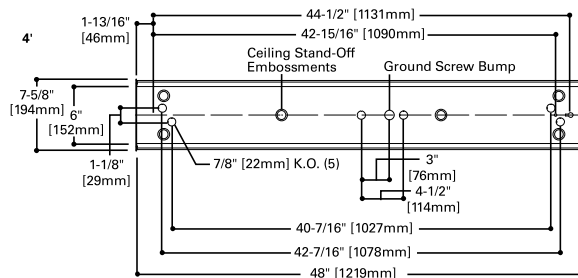
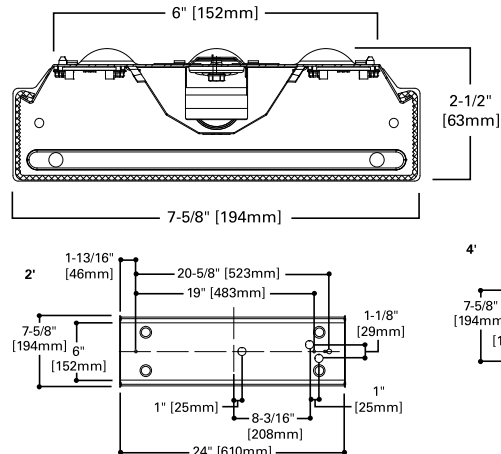
#### Product Features



#### Top Product Features

- 4 ft. and 2 ft. product configurations
- Frost lens offers best-in-class uniform illumination
- UNV (120V-277V) 0 to 10V dimmable driver
- Color Temperature (CCT): 3000K, 3500K, 4000K, 5000K
- Ideal for single or continuous row applications
- Options to meet Trade Agreements Act requirements

#### Dimensional and Mounting Details



## Order Information

SAMPLE ORDER NUMBER: **4WNLED-LD4-40SL-F-UNV-L840-CD1-U**

Domestic Preferences	Length	Series	Lamp Type	Lumen Output	Lens	Voltage	Emergency Options
Domestic Preferences <sup>(1)</sup>	Length	Series <sup>(2)</sup>	Lamp Type	Lumen Output	Lens	Voltage	Emergency Options <sup>(7)</sup>
[Blank]=Standard TAA=Trade Agreements Act	2=2 ft. 4=4 ft.	WNLED=Utility LED Wraparound	LD4=LED	28SL=2800 <sup>(3)</sup> 32SL=3200 40SL=4000 50SL=5000	F=Frost Acrylic (standard)	347=347V <sup>(4)</sup> 480=480V <sup>(4)</sup> UNV=Universal Voltage 120-277	EL7W=7-watt, 120V-277V emergency battery pack installed <sup>(5), (6)</sup> EL14W=14-watt 120V-277V emergency battery pack installed <sup>(5), (6)</sup>
<b>Notes</b>  (1) Only product configurations with this designated prefix are built to be compliant with the Trade Agreements Act of 1979 (TAA). Please refer to <a href="#">DOMESTIC PREFERENCES</a> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.		<b>Notes</b>  (2) DesignLights Consortium® Qualified and classified for DLC Standard, refer to <a href="#">www.designlights.org</a> for details.		<b>Notes</b>  (3) 2 ft. model.		<b>Notes</b>  (4) 4 ft. model only.	<b>Notes</b>  (5) With integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available.(6) Emergency options not available for 2 ft. versions. (7) Emergency options use taller ballast cover that alters appearance.

CCT Options	Driver Type	Number of Drivers	Packaging	Accessories
CCT Options	Driver Type	Number of Drivers	Packaging	Accessories (order separately) <sup>(8)</sup>
L830=3000K L835=3500K L840=4000K L850=5000K	CD=0-10V Dimming Driver (10%-100% Dimming)	1=1 Driver	U=Unit Pack	SCF=Fixed Stem Set (Specify Length), (2 Per Fixture) SCS=Swivel Stem Set (Specify Length), (2 Per Fixture) SCA=Adjustable 48" Stem Set (2 Per Fixture) A1B/Spacer-U=Spacer 1-1/2" to 2-1/2" from ceiling (Use 2 Per Fixture) D82A140WNLED224 PK=Replacement Lens for 2WNLED D82A140WNLED248 PK=Replacement Lens for 4WNLED
				<b>Notes</b>  (8) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

## Product Specifications

## 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 without tools

## Controls

- WNLED has a standard 0-10V continuous dimming driver. Works with most 0-10V control/dimmer.
- Combine with energy saving products like occupancy sensors, daylighting controls and lighting relay panels to maximize energy savings
- Dimming range is 10% to 100% ; varies by control device

## Electrical

- LED's available in 3000K, 3500K, 4000K and 5000K with a min. 80 CRI
- Projected life at 70% lumen maintenance is nearly 238,000 hours with TM21 rating up to L91 > 60,000 hours
- Electronic drivers are 0-10V dimming at 120-277V, 347V, and 480V applications

## Emergency Battery Pack Option

- Optional 120V-277V integral emergency battery pack at 7 or 14-watts
- The 90-minute batteries provide constant power to the LED system, ensuring code compliance
- The patented EZ Key prevents accidental discharge of the battery during installation

## 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, high performance, frost blend
- Sides have internal linear prisms and bottom has pyramidal prisms for brightness control

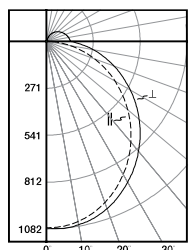
## Installation

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

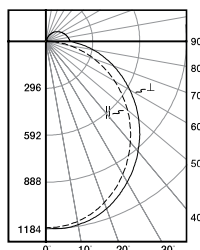
## Compliance

- Indoor luminaires are cULus listed for 25°C ambient environments, damp location listed, RoHS compliant, and LED modules comply with IESNA LM-79 and LM-80 standards
- DesignLights Consortium® Qualified and classified for DLC Standard, refer to [www.designlights.org](#) for details
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- Can be used for State of California Title 24 high efficacy luminaire

## Photometric Data

 View IES files


**4WNLED-LD4-32SL-F-UNV-L835-CD1-U**  
 Electronic Driver  
 Linear LED 3500K  
 Spacing criterion: (II) 1.22 x mounting height,  
 (⊥) 1.29 x mounting height  
 Lumens: 3674  
 Input Watts: 27.1W  
 Efficacy: 136 LPW  
 Test Report:  
 4WNLED-LD4-32SL-F-UNV-L835-CD1-U.IES



**4WNLED-LD4-40SL-F-UNV-L835-CD1-U**  
 Electronic Driver  
 Linear LED 3500K  
 Spacing criterion: (II) 1.22 x mounting height,  
 (⊥) 1.29 x mounting height  
 Lumens: 4006  
 Input Watts: 29.9W  
 Efficacy: 134 LPW  
 Test Report:  
 4WNLED-LD4-40SL-F-UNV-L835-CD1-U.IES

## Energy and Performance Data by Catalog

Lumen Type	Length	Catalog Number	Nominal 3500K Lumens	Watts	lm/W
Standard	2 ft.	2WNLED-LD4-28SL-F-UNV-L8XX-CD1-U	2819	22.3	124
Standard	4 ft.	4WNLED-LD4-32SL-F-UNV-L8XX-CD1-U	3674	27.1	136
Standard	4 ft.	4WNLED-LD4-40SL-F-UNV-L8XX-CD1-U	4006	29.9	134
Standard	4 ft.	4WNLED-LD4-50SL-F-UNV-L8XX-CD1-U	5098	37.0	138

## CCT Table

Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1.02
3500K	1.00
3000K	0.98

## Shipping Data

Catalog No.	Wt.
2WNLED	5 lbs.
4WNLED	9 lbs.