

|             |  |           |  |      |  |
|-------------|--|-----------|--|------|--|
| Project     |  | Catalog # |  | Type |  |
| Prepared by |  | Notes     |  | Date |  |



# Metalux

## WNLED

### Utility LED Wraparound

#### Typical Applications

Commercial • Schools • Institutional • Retail • Residential

#### Interactive Menu

- Order Information [page 2](#)
- Photometric Data [page 3](#)
- Product Warranty

#### Product Certification



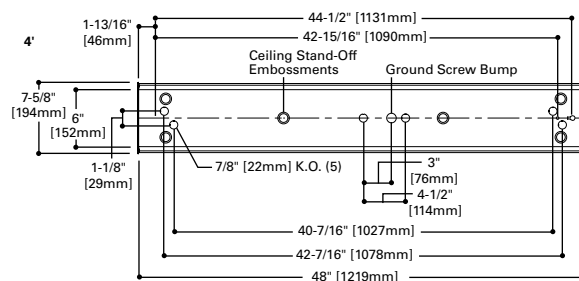
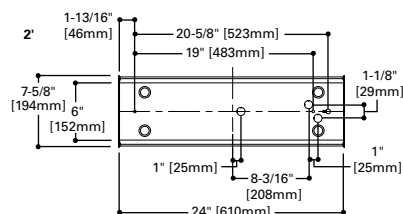
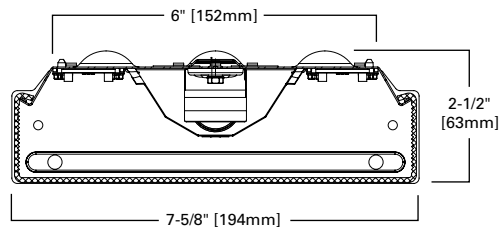
#### Product Features



#### 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

#### Dimensional and Mounting Details



## Order Information

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

| Length                                                                                                                                                                           | Series                       | Lamp Type | Lumen Output                                                    | Lens                          | Voltage                                                                                | Emergency Options                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------|-----------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Length                                                                                                                                                                           | Series <sup>(3)</sup>        | Lamp Type | Lumen Output                                                    | Lens                          | Voltage                                                                                | Emergency Options <sup>(6)</sup>                                                                                                                                                                                                                                                                                                                                                                                                            |
| 2=2 ft.<br>4=4 ft.                                                                                                                                                               | WNLED=Utility LED Wraparound | LD4=LED   | 28SL=2800 <sup>(1)</sup><br>32SL=3200<br>40SL=4000<br>50SL=5000 | F=Frost Acrylic<br>(standard) | 347=347V <sup>(2)</sup><br>480=480V <sup>(2)</sup><br>UNV=Universal<br>Voltage 120-277 | EL7W=7-watt, 120V-277V emergency battery pack installed <sup>(4), (5)</sup><br>EL14W=14-watt 120V-277V emergency battery pack installed <sup>(4), (5)</sup>                                                                                                                                                                                                                                                                                 |
| <b>Notes</b><br><br>(3) DesignLights Consortium® Qualified and classified for DLC Standard, refer to <a href="http://www.designlights.org">www.designlights.org</a> for details. |                              |           | <b>Notes</b><br><br>(1) 2 ft. model.                            |                               | <b>Notes</b><br><br>(2) 4 ft. model only.                                              | <b>Notes</b><br><br>(4) 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.(5) Emergency options not available for 2 ft. versions. (6) 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)                                                                                                                                                                                                                                                                                                            |
| L830=3000K<br>L835=3500K<br>L840=4000K<br>L850=5000K | CD=0-10V Dimming Driver<br>(10%-100% Dimming) | 1=1 Driver        | U=Unit Pack | SCF=Fixed Stem Set (Specify Length), (2 Per Fixture)<br>SCS=Swivel Stem Set (Specify Length), (2 Per Fixture)<br>SCA=Adjustable 48" Stem Set (2 Per Fixture)<br>A1B/Spacer-U=Spacer 1-1/2" to 2-1/2" from ceiling (Use 2 Per Fixture)<br>D82A140WNLED224 PK=Replacement Lens for 2WNLED<br>D82A140WNLED248 PK=Replacement Lens for 4WNLED |

## 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 150,000 hours with TM21 rating up to L88 > 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

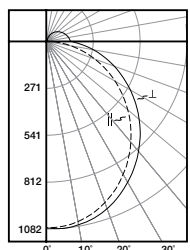
## Installation

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

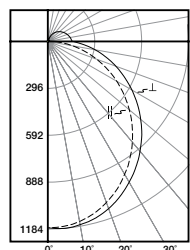
## Compliance

- 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](http://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: 3682  
 Input Watts: 28.8W  
 Efficacy: 127.8 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: 4029  
 Input Watts: 32.2W  
 Efficacy: 125.1 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 | 2861                 | 24.2  | 118  |
| Standard   | 4 ft.  | 4WNLED-LD4-32SL-F-UNV-L8XX-CD1-U | 3682                 | 28.8  | 128  |
| Standard   | 4 ft.  | 4WNLED-LD4-40SL-F-UNV-L8XX-CD1-U | 4029                 | 32.2  | 125  |
| Standard   | 4 ft.  | 4WNLED-LD4-50SL-F-UNV-L8XX-CD1-U | 5064                 | 42.4  | 118  |

## CCT Table

| Approximate Color Temperature Multiplier |      |
|------------------------------------------|------|
| 5000K                                    | 1.02 |
| 4000K                                    | 1.02 |
| 3500K                                    | 1.00 |
| 3000K                                    | 0.97 |

## Shipping Data

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