

Project		Catalog #		Type	
Prepared by		Notes		Date	



# Metalux

## WSNLED

Premium LED Wraparound

### Typical Applications

Commercial • Institutional • Retail • Industrial

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### Product Certification



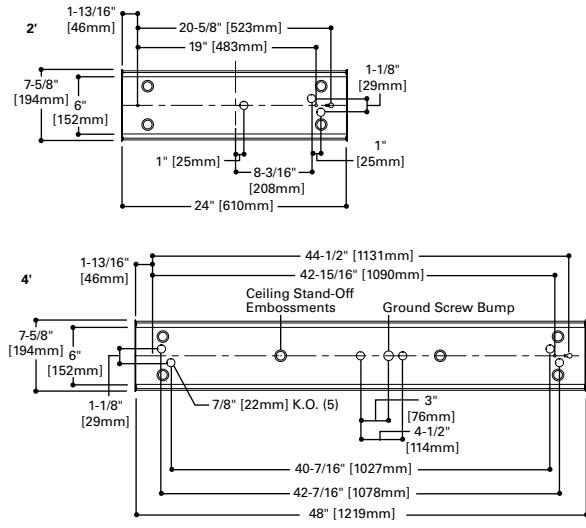
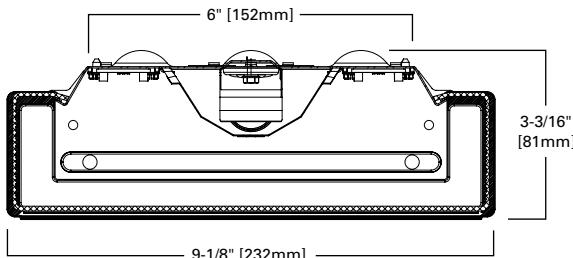
### Product Features



### Top Product Features

- 4 ft. and 2 ft. product configurations
- Premium LED lens material provides best-in-class 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: 4WSNLED-LD4-40SL-F-UNV-L840-CD1-U

Order Information							
Domestic Preferences <sup>(1)</sup>		Length	Series <sup>(2)</sup>	Lamp Type	Lumen Output	Lens	Voltage
[Blank]=Standard TAA=Trade Agreements Act	2=2 ft. 4=4 ft.	WSNLED=Premium Commercial LED Wraparound	LD4=LED4.0	20SL=2000 24SL=2400 28SL=2800 32SL=3200 36SL=3600 40SL=4000	44SL=4400 48HL=4800 52HL=5200 56HL=5600 60HL=6000 64HL=6400	F=Frost Acrylic (standard)	347=347V <sup>(3)</sup> 480=480V <sup>(3)</sup> UNV=Universal Voltage 120-277
<b>Notes</b> <small>(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.</small>		<b>Notes</b> <small>(2) DesignLights Consortium® Qualified and classified for DLC Standard, refer to <a href="#">www.designlights.org</a> for details.</small>				<b>Notes</b> <small>(3) 4 ft. model.</small>	<b>Notes</b> <small>(5) Emergency option uses shallow driver cover for improved aesthetic and no shadowing. (6) 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.</small>

CCT	Driver Type	Number of Drivers	Packaging	Accessories (order separately) <sup>(9)</sup>
L830=3000K L835=3500K L840=4000K L850=5000K	CD=0-10V Dimming Driver (10%-100% Dimming) SD=Step-Dim Driver 5LTD=Fifth Light DALI Driver (5%-100% Dimming) <sup>(7), (8)</sup>	1=1 Driver	U=Unit Pack	<b>SCF</b> =Fixed Stem Set (Specify Length) <b>SCS</b> =Swivel Stem Set (Specify Length) <b>SCA</b> =Adjustable 48" Stem Set <b>A1B/Spacer-U</b> =Spacer 1-1/2" to 2-1/2" from ceiling (Use 2 Per Fixture)
	<b>Notes</b> <small>(7) 4 ft. model only. (8) 5LTD DALI driver available for all lumen unit only.</small>			<b>Notes</b> <small>(9) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.</small>

## 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

- WSNLED is Powered by Fifth Light, with standard a 0-10V continuous dimming driver that works with any 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
- Other driver options include step-dim or, go fully digital with the Digital Addressable Lighting Interface (DALI) drivers

### Electrical

- Long-Life LED system coupled with electrical driver to deliver optimal performance
- 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 L87 > 60,000 hours
- Electronic drivers are available for 120-277V applications. A 0-10V dimming driver is standard

### Emergency Battery Pack Options

- Optional 120V-277V integral emergency battery pack is available in 10-watts to meet critical life-safety lighting requirements
- 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 construction

### 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 end caps with a frost finish to improve aesthetics and illumination
- Clear acrylic lens coupled with LED optical materials providing superior brightness control while improving overall light distribution and aesthetics
- This distribution is further enhanced through the use of embedded prisms within the lens on both side and bottom

### Installation

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

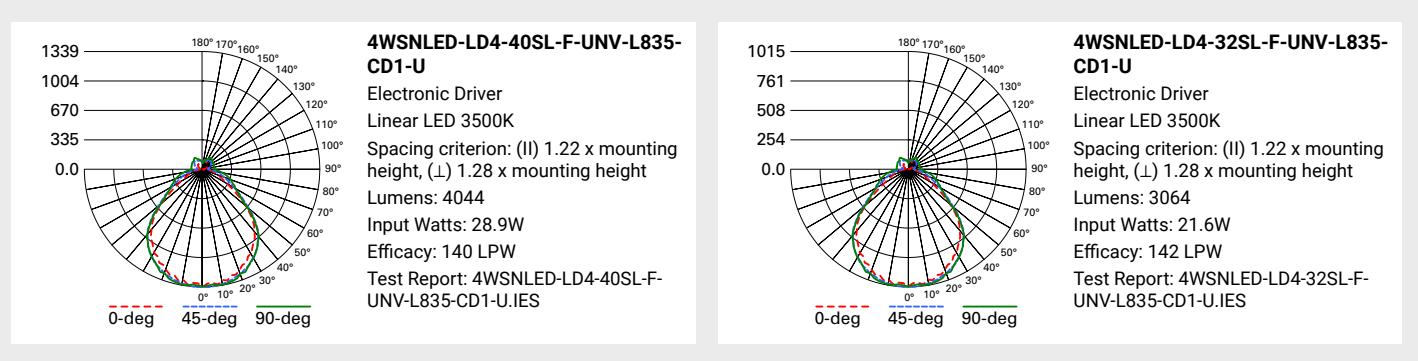
### Compliance

- 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 both DLC Standard and DLC Premium, 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

### Product Warranty

- 5-year limited warranty

## Photometric Data

 View IES files


## Energy and Performance Data by Catalog Number

Lumen Type	Length	Catalog Number	Nominal 3500K Lumens	Wattage	lm/W
Standard	2 ft.	2WSNLED-LD4-20SL-F-UNV-L8XX-CD1-U	1978	14.3	138
Standard	2 ft.	2WSNLED-LD4-24SL-F-UNV-L8XX-CD1-U	2507	18.4	136
Standard	2 ft.	2WSNLED-LD4-28SL-F-UNV-L8XX-CD1-U	3037	22.4	136
Standard	4 ft.	4WSNLED-LD4-20SL-F-UNV-L8XX-CD1-U	1983	14.3	139
Standard	4 ft.	4WSNLED-LD4-24SL-F-UNV-L8XX-CD1-U	2525	17.4	145
Standard	4 ft.	4WSNLED-LD4-28SL-F-UNV-L8XX-CD1-U	2795	20.4	137
Standard	4 ft.	4WSNLED-LD4-32SL-F-UNV-L8XX-CD1-U	3064	21.6	142
Standard	4 ft.	4WSNLED-LD4-36SL-F-UNV-L8XX-CD1-U	3600	25.6	141
Standard	4 ft.	4WSNLED-LD4-40SL-F-UNV-L8XX-CD1-U	4044	28.9	140
Standard	4 ft.	4WSNLED-LD4-44SL-F-UNV-L8XX-CD1-U	4486	32.2	139
High	4 ft.	4WSNLED-LD4-48HL-F-UNV-L8XX-CD1-U	4750	34.3	139
High	4 ft.	4WSNLED-LD4-52HL-F-UNV-L8XX-CD1-U	5276	38.3	138
High	4 ft.	4WSNLED-LD4-56HL-F-UNV-L8XX-CD1-U	5712	41.8	137
High	4 ft.	4WSNLED-LD4-60HL-F-UNV-L8XX-CD1-U	6059	45.0	135
High	4 ft.	4WSNLED-LD4-64HL-F-UNV-L8XX-CD1-U	6405	48.0	133

## Shipping Data

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

## CCT Table

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