

WSNLED and WNLED

Premium and utility commercial LED wraparound

Metalux



EATON

Powering Business Worldwide



Innovation you can rely on™

These two new product lines offer traditionally styled wraparound with Eaton's latest market leading LED and energy efficiency driver technologies. Offered in a number of lumen packages, color temperatures and driver options with excellent controls compatibility, the **WSNLED** and **WNLED** series enables customers to have the ideal balance with aesthetics, performance and energy efficiency. Additionally, the WSNLED series utilizes premium optical material which enhances the visual aesthetics providing customers with even, clean illumination eliminating lamp image commonly associated with traditional fluorescent solutions.

Product performance

- 4' and 2' product configurations
- Lumen package - WSNLED (15) and WNLED (4)
- Evenly illuminated lens (WSNLED) for premium aesthetic or new frost prismatic lens (WNLED)
- Multiple CCT: 3000K, 3500K, 4000K, 5000K at 82+ CRI
- Excellent performance, up to 118 lm/W
- Powered by Fifth Light. 0-10V dimming driver is standard for compatibility with 0-10V wallbox dimmers (10% -100%)
- Go Digital: Upgrade to the Powered by Fifth Light DALI drivers
- Ideal for surface and suspended applications
- L70 at 60,000 hours
- Five-year warranty

Compliances

- LED modules comply with IESNA LM-79 and LM-80 standards
- cULus listed 1598 for damp locations
- RoHS compliant



Product controls

All WSNLED and WNLED models come with standard drivers, which work with wall dimmers and sensors, and can also scale up to digital drivers that work with Fifth Light whole-building systems. WNLED luminaires with integrated Eaton lighting controls will improve energy savings and user comfort for any space.

- **0 - 10V Dimming Standard**
WSNLED and WNLED include 0-10V (analog) dimming for direct control using Eaton wall dimmers, as well as Greengate room controllers, sensors, and lighting control panels.
- **120/277V Occupancy and Daylight Sensors**
Both WSNLED and WNLED save money and energy when paired with Eaton occupancy and/or daylight sensors, including dimming daylight sensors using the 0-10V dimming interface.
- **Fifth Light Digital Addressable Lighting Interface (DALI) Control Systems**
WSNLED and WNLED are available with native Fifth Light DALI drivers for complete digital energy management using capable and scalable Fifth Light controllers and software. For details on the Fifth Light solution, please visit www.eaton.com/lightingsystems



Ordering Information

WSNLED

Sample Number: 4WSNLED-LD4-40SL-F-UNV-L840-CD1-U

Length	Series	Lamp Type	LED Lumens Output	Lens	Voltage	Options	
2=2 ft. 4=4 ft.	WSNLED=Premium Commercial LED Wraparound	LD4=LED 4.0	20SL=2000 Lumens ¹ 24SL=2400 Lumens 28SL=2800 Lumens 32SL=3200 Lumens 36SL=3600 Lumens 40SL=4000 Lumens	44SL=4400 Lumens 48HL=4800 Lumens 52HL=5200 Lumens 56HL=5600 Lumens 60HL=6000 Lumens 64HL=6400 Lumens	F=Frost Acrylic (Standard)	347=347V ² 480=480V ² UNV=Universal Voltage 120-277	Emergency EL7W=7-watt, 120V-277V emergency battery pack installed ⁴ EL14W=14-watt, 120V-277V emergency battery pack installed ⁴
CCT	Driver Type	Number of Drivers	Packaging	Accessories (Order Separately)			
CCT L830=3000K L835=3500K L840=4000K L850=5000K	CD=0-10V Dimming Driver (10% - 100% Dimming) SD=Step-Dim (Bi Level) ³ 5LTD=Fifth Light (DALI) Driver (10% - 100% Dimming) ^{2,5}	1=1 Driver	U=Unit Pack	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. 4 ft. model only. 3. Step-dim only available for 4000, 5000 and 6400 lumen units. 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. 5LTD DALI driver available for 4000 lumen unit only.

Specifications & dimensions subject to change without notice. Consult your Eaton Representative for availability and ordering information.

WNLED

Sample Number: 4WNLED-LD4-40SL-F-UNV-L840-CD1-U

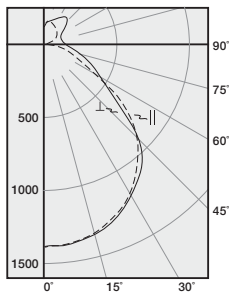
Length	Series	Lamp Type	LED Lumens Output	Lens	Voltage	CCT
2=2 ft. 4=4 ft.	WNLED=Utility LED Wraparound	LD4=LED 4.0	28SL=2800 Lumens ¹ 32SL=3200 Lumens 40SL=4000 Lumens 50SL=5000 Lumens	F=Frost Acrylic (Standard)	347=347V ² 480=480V ² UNV=Universal Voltage 120-277	CCT L830=3000K L835=3500K L840=4000K L850=5000K
Driver Type	Number of Drivers	Packaging	Accessories (Order Separately)			
CD=0-10V Dimming Driver (10% - 100% Dimming)	1=1 Driver	U=Unit Pack	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. 4 ft. model only.

Specifications & dimensions subject to change without notice. Consult your Eaton Representative for availability and ordering information.

Photometrics

4WSNLED-LD4-44SL-F-UNV-L835-CD1-U



Coefficients of Utilization

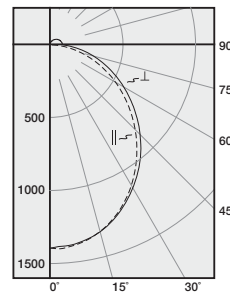
rc	Effective floor cavity reflectance										
	80%		50%		20%						
rw	70	50	30	10	50	30	10	50	30	10	
RCR	0	115	115	115	115	101	101	101	93	93	93
1	105	100	96	92	89	86	83	82	80	77	
2	96	88	82	76	78	73	69	72	69	65	
3	88	78	70	64	69	64	59	64	60	56	
4	80	69	61	55	62	56	51	58	52	48	
5	74	62	53	47	56	49	44	52	46	42	
6	69	56	47	41	50	44	39	47	41	37	
7	64	51	42	37	46	39	34	43	37	33	
8	59	46	38	33	42	35	31	39	34	29	
9	55	42	35	29	39	32	28	36	31	27	
10	52	39	32	26	36	29	25	34	28	24	

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	1084	24.5
0-40	1779	40.2
0-60	2982	67.4
0-90	3630	82.1
0-180	4424	100.0

Electronic Driver
3500K LEDs
Spacing criterion: (||) 1.3 x mounting height, (⊥) 1.3 x mounting height
Lumens: 4424
Input Watts: 43.8W
Efficacy: 101.0 lm/W
Test: 4WSNLED-LD4-44SL-F-UNV-L835-CD1-U.IES

4WNLED-LD4-40SL-F-UNV-L835-CD1-U



Coefficients of Utilization

rc	Effective floor cavity reflectance										
	80%		50%		20%						
rw	70	50	30	10	50	30	10	50	30	10	
RCR	0	118	118	118	118	108	108	108	102	102	102
1	107	102	97	93	94	90	87	89	86	84	
2	97	89	82	76	82	76	72	78	73	69	
3	88	78	69	63	72	65	60	68	63	58	
4	81	69	60	53	64	57	51	61	55	50	
5	74	62	52	46	57	50	44	55	48	43	
6	69	55	46	40	52	44	39	50	43	38	
7	64	50	41	35	47	40	34	45	39	34	
8	59	46	37	32	43	36	31	41	35	30	
9	55	42	34	28	40	33	28	38	32	27	
10	52	39	31	26	37	30	25	35	29	25	

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	1054	25.9
0-40	1702	41.9
0-60	2945	72.5
0-90	3832	94.3
0-180	4062	100.0

Electronic Driver
3500K LEDs
Spacing criterion: (||) 1.2 x mounting height, (⊥) 1.2 x mounting height
Lumens: 4062
Input Watts: 36.0W
Efficacy: 112.8 lm/W
Test: 4WNLED-LD4-40SL-F-UNV-L835-CD1-U.IES

**Our Lighting
Product Lines**

Halo
Halo Commercial
Portfolio
Iris
RSA
Metalux
Corelite
Neo-Ray
Fail-Safe
MWS
Ametrix
Shaper
io
Lumark
McGraw-Edison
Invue
Lumière
Streetworks
AtLite
Sure-Lites

**Our Controls
Product Lines**

Greengate
iLumin
Zero 88
Fifth Light Technology
iLight (International Only)

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Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

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P: 905-501-3000
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