

WNLED Series
General Purpose LED Wraparound



Cooper Lighting
by **EATON**



Innovation you can rely on™

The new WNLED general purpose wraparound luminaire offers traditional styling with the latest in market-leading LED technology. Offered in a number of lumen packages with standard 0-10V controls compatibility, the WNLED Series offers customers the ideal balance of fixture performance and energy efficiency. The WNLED Series offers an excellent service life and is suitable for a wide range of commercial and industrial applications.

Product Performance

- 4' and 2' product configurations
- Three 4' lumen packages
- Frost prismatic lens standard
- 3000K, 3500K, 4000K and 5000K color temperatures
- High efficacy up to 90 lm/W
- Typical 85+ CRI
- Class 2, 24V DC constant driver with standard 0-10V dimming
- Step-dim and Fifth Light™ (DALI) options available
- 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 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's Cooper Lighting Controls business solutions will improve energy savings and user comfort for any space.

• 0 - 10V Dimming Standard

WNLED includes 0-10V (analog) dimming for direct control using Eaton's Cooper Wiring Devices business wall dimmers, as well as Eaton's Cooper Controls business Greengate room controllers, sensors, and lighting control panels.

• 120/277V Occupancy and Daylight Sensors

WNLED saves money and energy when paired with Eaton's Cooper Controls business occupancy and/or daylight sensors, including dimming daylight sensors using the 0-10V dimming interface.

• Fifth Light Digital Addressable Lighting Interface (DALI) Control Systems

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.coopercontrol.com



Ordering Information

Sample Number: 4WNLED-LD1-41-F-UNV-L840-CD1-U

Length	Series ⁶	Lamp Type	LED Lumens Output	Lens	Voltage	Options
2=2 ft. 4=4 ft.	WNLED=Commercial Wraparound	LD1=LED 1.0	27=2700 Lumens ¹ 41=4100 Lumens 54=5400 Lumens 70=7000 Lumens ²	F=Frost Acrylic (Standard)	347=347V ³ 480=480V ³ UNV=Universal Voltage 120-277	Emergency EL=Emergency Installed ⁴
CCT	Driver Type	Number of Drivers	Packaging	Accessories (Order Separately)		
CCT L835=3500K L840=4000K	CD=0-10V Dimming Driver SD=Step-dim (Bi Level) ⁵ 5LTD=Fifth Light (DALI) Driver ³	1=1 Driver 2=2 Drivers	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. Two drivers required. 3. 4 ft. model only. 4. Specify 120 or 277V. EL option is only available for 120-277V applications. 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.

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

Photometrics

2WNLED-LD1-27-F-UNV-L835-CD1-U

Electronic Driver

3500K LEDs

Spacing criterion: (||) 1.2 x mounting height, (⊥) 1.3 x mounting height

Test: 2WNLED-LD1-27-F-UNV-L835-CD1-U.IES

Coefficients of Utilization

		Effective floor cavity reflectance						20%	
		80%		50%		30%			
rc	nw	70	50	30	10	50	30	10	
RCR									
0		118	118	118	118	108	108	108	
1		107	102	97	93	94	90	87	
2		97	88	81	75	81	76	71	
3		88	77	69	62	71	65	59	
4		80	68	59	52	63	56	50	
5		74	61	52	45	57	49	43	
6		68	55	45	39	51	43	38	
7		63	49	41	34	46	39	33	
8		59	45	36	31	42	35	30	
9		55	41	33	27	39	32	27	
10		51	38	30	25	36	29	24	

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	670	24.7
0-40	1096	40.4
0-60	1948	71.8
0-90	2581	95.0
0-180	2715	100.0

4WNLED-LD1-41-F-UNV-L835-CD1-U

Electronic Driver

3500K LEDs

Spacing criterion: (||) 1.2 x mounting height, (⊥) 1.3 x mounting height

Test: 4WNLED-LD1-41-F-UNV-L835-CD1-U.IES

Coefficients of Utilization

		Effective floor cavity reflectance						20%	
		80%		50%		30%			
rc	nw	70	50	30	10	50	30	10	
RCR									
0		118	118	118	118	109	109	109	
1		107	102	97	93	94	90	87	
2		97	88	81	75	81	76	71	
3		88	77	69	62	71	65	59	
4		80	68	59	52	63	56	50	
5		74	61	52	45	57	49	43	
6		68	55	45	39	51	44	38	
7		63	49	41	34	46	39	33	
8		59	45	36	31	42	35	30	
9		55	41	33	27	39	32	27	
10		51	38	30	25	36	29	24	

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	1013	24.7
0-40	1659	40.4
0-60	2954	72.0
0-90	3912	95.4
0-180	4102	100.0

4WNLED-LD1-54-F-UNV-L835-CD1-U

Electronic Driver

3500K LEDs

Spacing criterion: (||) 1.2 x mounting height, (⊥) 1.3 x mounting height

Test: 4WNLED-LD1-54-F-UNV-L835-CD1-U.IES

Coefficients of Utilization

		Effective floor cavity reflectance						20%	
		80%		50%		30%			
rc	nw	70	50	30	10	50	30	10	
RCR									
0		118	118	118	118	109	109	109	
1		107	102	97	93	94	90	87	
2		97	88	81	75	81	76	71	
3		88	77	69	62	71	65	59	
4		80	68	59	52	63	56	50	
5		74	61	52	45	57	49	43	
6		68	55	45	39	51	44	38	
7		63	49	41	34	46	39	33	
8		59	45	36	31	42	35	30	
9		55	41	33	27	39	32	27	
10		51	38	30	25	36	29	24	

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	1326	24.7
0-40	2171	40.5
0-60	3865	72.0
0-90	5120	95.4
0-180	5367	100.0

4WNLED-LD1-70-F-UNV-L835-CD2-U

Electronic Driver

3500K LEDs

Spacing criterion: (||) 1.2 x mounting height, (⊥) 1.3 x mounting height

Test: 4WNLED-LD1-70-F-UNV-L835-CD2-U.IES

Coefficients of Utilization

		Effective floor cavity reflectance						20%	
		80%		50%		30%			
rc	nw	70	50	30	10	50	30	10	
RCR									
0		118	118	118	118	108	108	108	
1		106	101	96	92	93	89	86	
2		96	88	80	74	80	75	70	
3		87	76	68	61	71	64	58	
4		80	68	58	52	62	55	49	
5		73	60	51	44	56	48	43	
6		68	54	45	38	50	43	37	
7		63	49	40	34	46	38	33	
8		58	45	36	30	42	34	29	
9		54	41	33	27	38	31	26	
10		51	38	30	24	36	29	23	

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	1690	23.9
0-40	2772	39.2
0-60	4956	70.1
0-90	6628	93.8
0-180	7066	100.0

Eaton's Cooper Lighting Business

Headquarters
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

Canada Sales
5925 McLaughlin Road
Mississauga, Ontario L5R 1B8
P: 905-501-3000
F: 905-501-3172

Our Lighting Product Brands

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 Brands

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

