

Project	
Type	
Notes	
Catalog No.	
Date	

L8500 Series LED Strip (L-Bar)

The L8500 Series LED Strip is a functional multi-purpose LED Strip that incorporates premium performance and construction durability. Ideal for warehouse, distribution centers, and stairwells.



Specifications

Applications

- Warehouse
- Distribution Centers
- Parking Garages
- Stairwells
- Corridors
- Laundry Facilities

Construction

- Housing made from die formed heavy gauge pre-painted cold rolled steel and is finished with a post-production white polyester polymer
- Easy, fast, tool-free maintenance

Mounting

- Surface: mount individually or in continuous rows (Chain or Cable Mount Ready). Cord and plug options offered.

Options

- Sensors can be integrated for additional energy savings
- Emergency battery back-up
- Custom ballast cover (Call factory)
- No channel option for retrofit applications
- Standard and high lumen output offered

Warranty

- Five-year warranty.* Terms and Conditions Apply. See warranty documentation for more information.

Certification

- ETL Compliant
- Adheres to LM79, LM80 and TM21 industry standards
- DesignLights Consortium® (DLC) qualified
- Lighting Facts
- RoHS Compliant



Catalog Ordering Example

L8548-4254-H1

L85				
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Family Type	Length in Inches/Wattage	Color Temp	Transmission/ # of Bars	Options
L85	24 - 212 (2 Foot, 12 Watts/1 -2FT Bar)	3 (3000 Kelvin Temp)	S1 (Standard 80%/ 1 Bar)	OS (Occupancy Sensor)
	24 - 225 (2 Foot, 25 Watts/1 -2FT Bar)	35 (3500 Kelvin Temp)	S2 (Standard 80%/ 2 Bars)	OSD (Occupancy Sensor w/ Daylight)
	48 - 212 (4 Foot, 12 Watts/1 -2FT Bar)	4 (4000 Kelvin Temp)	H1 (High 94%/ 1 Bar)	PRGOS-LO (IRTEC LOD509 Bi-Level Occ Sensor w/ Photocell)
	48 - 225 (4 Foot, 25 Watts/1 -2FT Bar)	5 (5000 Kelvin Temp)	H2 (High 94%/ 2 Bars)	PRGOS-LR (IRTEC LRD509 Programmable Occ Sensor w/ Remote Control)
	48 - 425 (4 Foot, 25 Watts/1 -4FT Bar)			PRGOS-LS (Sensorswitch LSXR-ADC-3v Occ Sensor w/ Dimming Photocell/ External Mount)
	48 - 450 (4 Foot, 50 Watts/1 -4FT Bar)			PRGOS-FS Wattstopper FSP211 Programmable Occ Sensor w/ Remote Control/ Integral and J-Box)
	96 - 212 (8 Foot, 12 Watts/1 -2FT Bar)			NCH (No Channel)
	96 - 225 (8 Foot, 25 Watts/1 -2FT Bar)			Custom Ballast Cover
	96 - 425 (8 Foot, 25 Watts/1 -4FT Bar)			10GL (10' Loop w/ Gripple Hanging Kit)
	96 - 450 (8 Foot, 50 Watts/1 -4FT Bar)			PLG (6' SJT Cord & Plug)
				EM7W (Emergency Battery Backup, 7 Watts, ~600 lms)*
				EM10W (Emergency Battery Backup, 10 Watts, ~800 lms)*
				EM10WT20 (Emergency Battery Backup, 10 Watts, Constant Power, Title 20 Compliant, ~1625 lms)*
				EM15WT20 (Emergency Battery Backup, 15 Watts, Constant Power, Title 20 Compliant, ~2400 lms)*
				480SD (480 Step-Down)

* Lumens will change based on fixture selection

Specifications and Dimensions subject to change without notice. Contact factory for updates: (909) 948-8878

Safety Warning

FOR YOUR SAFETY, READ AND FOLLOW ALL INSTRUCTIONS TO PREVENT ELECTRIC SHOCK OR FIRE

- **INSTALLATION REQUIRES KNOWLEDGE OF LIGHTING LUMINAIRE ELECTRICAL SYSTEMS-** Contact qualified electrician prior to installation.
- **DISCONNECT POWER BEFORE INSTALLATION**
- **DO NOT ALTER PRE-EXISTING HOLES OR DRILL NEW HOLES**
- **CHECK FOR INCLOSED WIRING COMPONENTS PRIOR TO DRILLING-** Luminaire wiring, ballasts, power supplies or other electrical parts may be damaged.
- **USE ONLY ON COMPATIBLE LUMINAIRES-** Installation requires specific dimensions and construction features.
- **PROTECT WIRING FROM ABRASION-** Do not expose wiring to sharp objects or edges of sheet metal.

Installation Instructions

1. Disconnect Power to the circuit supplying power to the fixture
2. Removed the existing lamps and fixture
3. Disassemble new fixture to allow access to the LED Driver
4. Run existing power supply wires into fixture through fixture knock-out or end plug on fixture
5. Mount the fixture to surface, or hang fixture with appropriate fixture mounting hardware (Be sure to follow local building codes for the appropriate fixture installation methods.)
6. Connect power supply wires to supplied wire disconnect to provide power to fixture
7. Re-assemble fixture
8. Re-connect power and check installation

Technical Information

Available CCT	30K, 40K & 50K
CRI	84
Delivered Lumens	See Performance Data
Dimming	0-10V Dimming Standard
Efficacy	111+ LPW
Input Frequency	50/60 Hz
L70	398,000
Light Source	LED Light Bar
Power Factor	> 0.95
Power Source	LED High Efficiency Power Supply
Rated Wattage	See Performance Data
Temperature Rating	-40°C – 40°C Ambient
THD	< 20%
Voltage	120V to 277V

Application Photo



Performance Data

Lens Type	Form Factor	Catalog No.	Rated Wattage (W)	Tested Wattage (W)	5000K	
					Delivered Lumens (lm)	Efficacy (lm/W)
High Output Lens	2'	L8524-2125-H1	12	14.5	1,746	120
		L8524-2255-H1	25	28.5	3,178	111
	4'	L8548-2125-H1	12	14.5	1,746	120
		L8548-2255-H1	25	28.5	3,178	111
		L8548-4255-H1	25	28.5	3,439	121
		L8548-4505-H1	50	55	6,355	121
	8'	L8596-2125-H1	12	14.5	1,746	120
		L8596-2255-H1	25	28.5	3,178	111
		L8596-4255-H1	25	28.5	3,439	121
		L8596-4505-H1	50	55	6,355	121

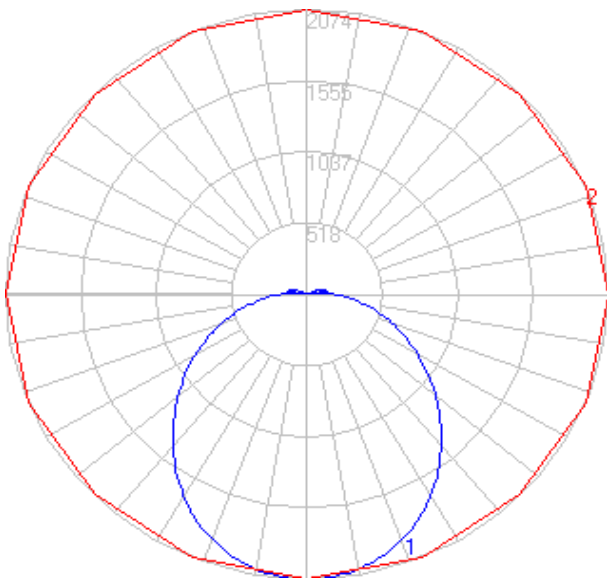
Photometric Data

L8548-4505-H1 Tested in accordance to IESNA LM-79

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-10	196.34	3.11%
10-20	564.31	8.94%
20-30	858.29	13.59%
30-40	1,035.97	16.40%
40-50	1,071.69	16.98%
50-60	970.76	15.38%
60-70	761.85	12.07%
70-80	491.60	7.79%
80-90	232.29	3.68%
90-100	47.36	0.75%
100-110	62.85	0.99%
110-120	16.53	0.26%
120-130	0.94	0.01%
130-140	0.77	0.01%
140-150	0.72	0.01%

Polar Graph

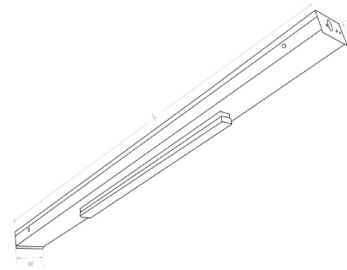


Physical Characteristics

Dimensions

Version	H	L	W
2FT	1.87"	24.00"	4.37"
4FT	1.87"	48.00"	4.37"
8FT	1.87"	96.00"	4.37"

Line Drawing



Weights

Version	Weight
2FT	3lbs
4FT	6lbs
8FT	12lbs