

Project	
Type	
Notes	
Catalog No.	
Date	

L28500 Series

LED Lensed Strip (PCB)

The L28500 Series is a functional multi-purpose LED lensed strip that incorporates premium performance and construction durability. Ideal for warehouse, distribution centers, and stairwells.



Specifications

Applications

- Warehouse
- Distribution Centers
- Parking Garages
- Covered Parking
- Utility Rooms
- Stairwells
- Corridors
- Canopies

Construction

- Die formed 24 gauge cold rolled steel body
- Post painted with high gloss baked white matte powder coat
- Frosted diffuser

Mounting

- Various mounting options available, including suspension, and surface mount. Chain and cable mount ready. Cord and plug options offered.

Options

- Sensors can be integrated for additional energy savings
- Emergency battery back-up
- Dimming

Warranty

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

Certification

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



Catalog Ordering Example

L28548-40W-50K-OS

L285			
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Family Type	Length in Inches/Wattage	Color Temperature	Options
L285	24- 20W (2 Foot 19 Watt/ 2,403 lms)	35K (3500 Kelvin Temp)	OS (Occupancy Sensor)
	48- 18W (4 Foot 18 Watt/ 2,342 lms)	40K (4000 Kelvin Temp)	OSD (Occupancy Sensor w/ Daylight)
	48 - 23W (4 Foot 23 Watt/ 2,989 lms)	50K (5000 Kelvin Temp)	PRGOS-LS (Sensorswitch LSXR-ADC-3v Occ Sensor w/ Dimming Photocell)
	48 - 32W (4 Foot 32 Watt/ 4,256 lms)		PRGOS-LO (IRTEC LOD509 Bi-Level Occ Sensor w/ Photocell)
	48 - 35W (4 Foot 35 Watt/ 4,690 lms)		PRGOS-LR (IRTEC LRD509 Programmable Occ Sensor w/ Remote Control)
	48 - 40W (4 Foot 40 Watt/ 5,240 lms)		EMR (Emergency Battery)
	48 - 46W (4 Foot 46 Watt/ 6,026 lms)		480SD (480 Step-Down)
	96 - 38W (8 Foot 38 Watt/ 4,978 lms)		PLG (6' SJT Cord & Plug)
	96 - 46W (8 Foot 46 Watt/ 6,026 lms)		10GL (10' Loop w/ Gripple Hanging Kit)
	96 - 55W (8 Foot 55 Watt/ 7,315 lms)*		
	96 - 65W (8 Foot 65 Watt/ 8,645 lms)		
	96 - 75W (8 Foot 75 Watt/ 9,825 lms)		
	96 - 90W (8 Foot 90 Watt/ 11,790 lms)		

* Not DLC Listed

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 or install fixture in T-bar Ceiling (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	35K, 40K & 50K
CRI	83+
Delivered Lumens	See Performance Data
Dimming	0-10V Dimming Standard
Efficacy	128+ LPW
Input Frequency	50/60 Hz
L70	122,000
Light Source	LED Board
Power Factor	> 0.90
Power Source	LED High Efficiency Power Supply
Rated Wattage	See Performance Data
Temperature Rating	-40°C – 50°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)
Frosted Lens	2'	L28524-20W-50K	20	19	2,430	128
		L28548-18W-50K	18	18	2,342	130
		L28548-23W-50K	23	23	2,989	130
	4'	L28548-32W-50K	32	32	4,256	131
		L28548-35W-50K	35	35	4,690	134
		L28548-40W-50K	40	40	5,240	131
		L28548-46W-50K	46	46	6,026	131
		L28596-38W-50K	38	38	4,978	131
		L28596-46W-50K	46	46	6,026	131
	8'	L28596-65W-50K	65	65	8,645	133
		L28596-75W-50K	75	75	9,825	131
		L28596-90W-50K	90	90	11,790	131

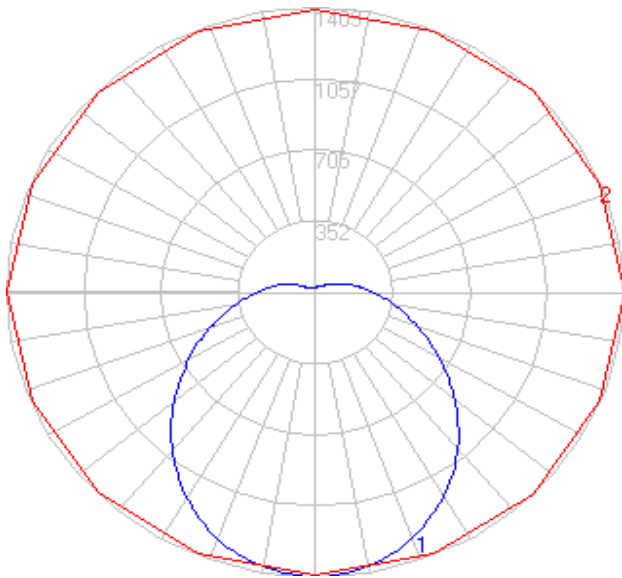
Photometric Data

L28548-40W-50K Tested in accordance to IESNA LM-79

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-10	132.70	2.63%
10-20	378.50	7.52%
20-30	569.74	11.31%
30-40	683.90	13.58%
40-50	711.93	14.14%
50-60	662.91	13.16%
60-70	561.39	11.15%
70-80	434.31	8.62%
80-90	312.66	6.21%
90-100	219.70	4.36%
100-110	150.13	2.98%
110-120	93.39	1.85%
120-130	51.43	1.02%
130-140	31.55	0.63%
140-150	20.54	0.41%
150-160	12.63	0.25%
160-170	6.88	0.13%
170-180	2.36	0.05%

Polar Graph

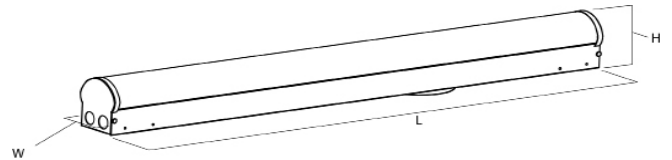


Physical Characteristics

Dimensions

Version	H	L	W
2FT	3.56"	24"	3.35"
4FT	3.56"	48"	3.35"
8FT	3.56"	96"	3.35"

Line Drawing



Weights

Version	Weight
2FT	4lbs
4FT	7lbs
8FT	14lbs