

Project	
Type	
Notes	
Catalog No.	
Date	

L85 Series LED Strip (Extrusion)

The L85 Series 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
- Covered Parking
- Utility Rooms
- Stairwells

Construction

- Die formed 24 gauge cold rolled steel body
- Post painted with high gloss baked white matte powder coat
- Aluminum backing for heatsink, independent to fixtures

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 Listed
- DesignLights Consortium® (DLC) qualified. Please check the DLC Qualified Products List at <http://www.designlights.org/> to confirm which versions are qualified.
- Lighting Facts
- RoHS Compliant





Catalog Ordering Example

L85-48EX-113-N1-35K-UF0

L85					
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Family	Length	Configuration	Color	Kit	Options
L85	24-EX	109-N1	30K 35K 40K 50K	U (Universal)	FF (Frosted Lens & Non-Dimming) FD (Frosted Lens & Dimming) CF (Clear Lens & Non-Dimming) CD (Clear Lens & Dimming) NF (No Lens & Non-Dimming) ND (No Lens & Dimming) NCH* NCH-L60 NCH-L76 NCH-L79 NCH-CC** OSD (Occupancy Sensor w/ Daylight) PRGOS-LS (Sensorswitch LSXR-ADC-3V Occ Sensor w/ Dimming Photocell) PRGOS-LO (IRTEC LOD509 Programmable Occ Sensor w/ Photocell) PRGOS-LR (IRTEC LRD509 Programmable Occ Sensor w/ Remote Control) 480SD (480 Step-Down) PLG (6' SJT Cord & Plug) 10GL (10' Loop w/ Gripplie Hanging Kit) 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)***
		209-N1			
		209-H1			
	36-EX	109-N1			
		209-N1			
		209-H1			
		112-N1			
		212-N1			
		212-H1			
	48-EX	109-N1			
		209-N1			
		209-H1			
		112-N1			
		212-N1			
		212-H1			
		113-N1			
		213-N1			
		213-H1			
		125-N1			
		225-N1			
		155-N1			
	255-N2				
	96-EX	109-N1			
		209-N1			
		209-H1			
		409-N1			
		409-H1			
		112-N1			
		212-N1			
		212-H1			
		412-N1			
		113-N1			
		213-N1			
		213-H1			
		413-N1			
		413-H1			
		125-N1			
		225-N1			
		425-N2			
		155-N1			
	255-N2				
	455-N4				

5000K

Configuration	System Wattage (W)	Delivered Lumens (lm)	Description
109-N1	10.5	1155	(1) 2' Light Engine, (1) Driver, Normal Mode
209-N1	20.4	2244	(2) 2' Light Engine, (1) Driver, Normal Mode
209-H1	24.3	2677	(2) 2' Light Engine, (1) Driver, High Mode
109-N1	10.5	1155	(1) 2' Light Engine, (1) Driver, Normal Mode
209-N1	20.4	2244	(2) 2' Light Engine, (1) Driver, Normal Mode
209-H1	24.3	2677	(2) 2' Light Engine, (1) Driver, High Mode
112-N1	15.5	1729	(1) 3' Light Engine, (1) Driver, Normal Mode
212-N1	28.8	3075	(2) 3' Light Engine, (1) Driver, Normal Mode
212-H1	34.1	3751	(2) 3' Light Engine, (1) Driver, High Mode
109-N1	10.5	1155	(1) 2' Light Engine, (1) Driver, Normal Mode
209-N1	20.4	2244	(2) 2' Light Engine, (1) Driver, Normal Mode
209-H1	24.3	2677	(2) 2' Light Engine, (1) Driver, High Mode
112-N1	15.5	1729	(1) 3' Light Engine, (1) Driver, Normal Mode
212-N1	28.8	3075	(2) 3' Light Engine, (1) Driver, Normal Mode
212-H1	34.1	3751	(2) 3' Light Engine, (1) Driver, High Mode
113-N1	16.4	1882	(1) 4' Light Engine, (1) Driver, Normal Mode
213-N1	29.9	3465	(2) 4' Light Engine, (1) Driver, Normal Mode
213-H1	37.4	4323	(2) 4' Light Engine, (1) Driver, High Mode
125-N1	27.2	3680	(1) 4' Light Engine, (1) Driver, Normal Mode
225-N1	54.2	7360	(2) 4' Light Engine, (1) Driver, Normal Mode
155-N1	59.2	6968	(1) 4' Light Engine, (1) Driver, Normal Mode
225-N2	118.4	13936	(2) 4' Light Engine, (2) Drivers, Normal Mode
109-N1	10.5	1155	(1) 2' Light Engine, (1) Driver, Normal Mode
209-N1	20.4	2244	(2) 2' Light Engine, (1) Driver, Normal Mode
209-H1	24.3	2677	(2) 2' Light Engine, (1) Driver, High Mode
409-N1	36.6	4024	(4) 2' Light Engine, (1) Driver, Normal Mode
409-H1	48.4	5324	(4) 2' Light Engine, (1) Driver, High Mode
112-N1	15.5	1729	(1) 3' Light Engine, (1) Driver, Normal Mode
212-N1	28.8	3075	(2) 3' Light Engine, (1) Driver, Normal Mode
212-H1	34.1	3751	(2) 3' Light Engine, (1) Driver, High Mode
412-N1	57.6	6150	(4) 4' Light Engine, (1) Driver, Normal Mode
113-N1	16.4	1882	(1) 4' Light Engine, (1) Driver, Normal Mode
213-N1	29.9	3465	(2) 4' Light Engine, (1) Driver, Normal Mode
213-H1	37.4	4323	(2) 4' Light Engine, (1) Driver, High Mode
413-N1	52.2	6002	(4) 4' Light Engine, (1) Driver, Normal Mode
413-H1	66.3	7621	(4) 4' Light Engine, (1) Driver, High Mode
125-N1	27.2	3680	(1) 4' Light Engine, (1) Driver, Normal Mode
225-N1	54.4	7360	(2) 4' Light Engine, (1) Driver, Normal Mode
425-N2	108.8	14720	(4) 4' Light Engine, (2) Drivers, Normal Mode
155-N1	59.2	6968	(1) 4' Light Engine, (1) Driver, Normal Mode
255-N2	118.4	13936	(2) 4' Light Engine, (2) Drivers, Normal Mode
455-N4	236.8	27872	(4) 4' Light Engine, (4) Drivers, Normal Mode

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

* 4.25" channel width

** Custom channel, consult factory

*** Lumens will change based on fixture selection

www.fsclighting.com

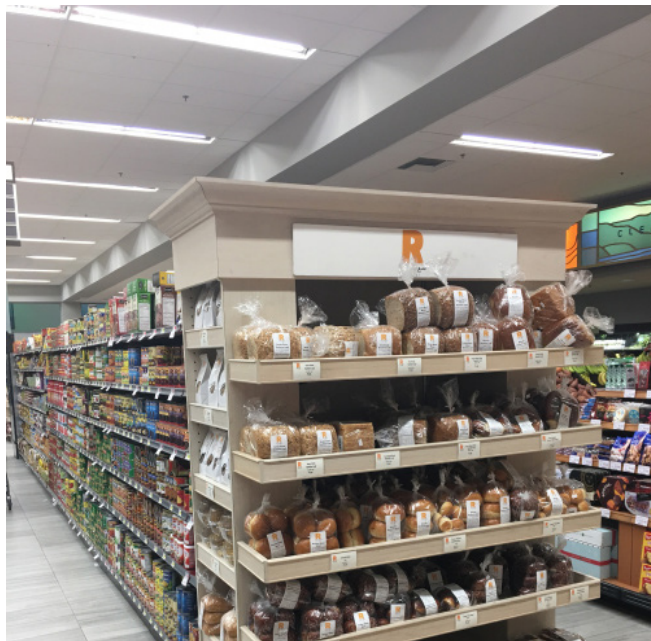
P | (909) 948-8878 • F | (909) 948-8510

9120 Center Avenue, Rancho Cucamonga, CA 91730

Technical Information

Available CCT	30K, 35K, 40K & 50K
CRI	80+
Delivered Lumens	See Performance Data
Dimming	0-10V Dimming Standard
Efficacy	105+ LPW
Input Frequency	50/60 Hz
L70	238,000
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



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

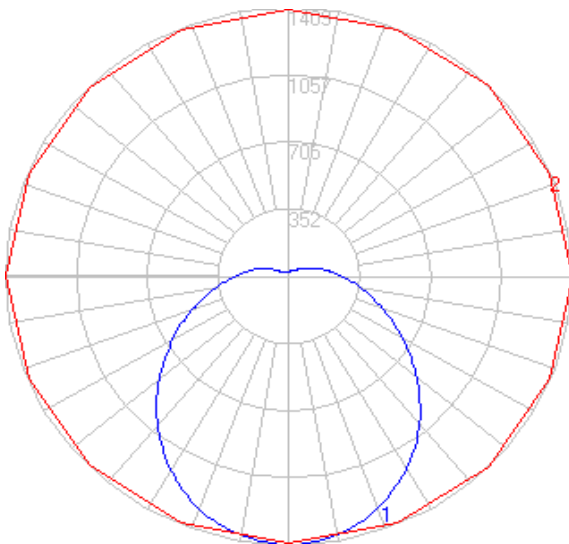
Photometric Data

L85-48EX-125-N1-35K-UFD 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
4FT	1.87"	48"	4.37"

Line Drawing



Weights

Version	Weight
4FT	6lbs