

SE LED Strip

Product Specification Sheet

Product Overview

The LED Strip is an energy-efficient upgrade solution designed to replace outdated fluorescent strip fixtures with modern LED technology. It features easy installation and includes high-performance LED strips, an integrated driver, and mounting hardware for a seamless replacement.

Available in multiple wattages and color temperatures, it provides superior brightness, reduced maintenance costs, and significant energy savings. Ideal for warehouses, retail spaces, and commercial facilities, the LED Strip enhances lighting quality while meeting DLC and UL certification standards for performance and reliability.

Key Features

- Die-cast metal housing.
- Acrylic lens reducing glare.
- High Brightness: Delivers up to 130 LPW for powerful, efficient lighting.
- Versatile Voltage: Compatible with AC120-277V or AC120-347V, providing flexibility for various applications.
- Durable Housing: Constructed with rugged galvanized rolled metal for improved cooling, light quality, and a longer lifespan.
- Dimmer Ready: 0-10V dimming capability for customizable light levels to suit your needs.
- Auxiliary Dimming: Includes a 12Vdc auxiliary dimming feature for added flexibility.
- Smart Control: Easy-to-install Bi-Level sensor with plug-and-play capability, allowing you to optimize energy use with automated lighting control.



Technical Specification

▪ Models and Wattage Options

- The LED Strip lighting consists of five performance packages for 2ft, 3ft, 4ft, and 8ft applications. Each offers multiple wattage options to suit different lighting needs. Each model provides flexibility in power consumption, allowing users to optimize energy usage while maintaining high performance.
- SE-SRP-24-P1: 2000/2600/3300 Lumens
- SE-SRP-48-P2: 3300/4000/5200 Lumens
- SE-SRP-96-P4: 7200/7800/8500 Lumens
- SE-SRP-96-P5: 8500/10000/11700 Lumens

▪ High Efficiency and Performance

- Efficacy: Up to 130 lumens per watt (LPW) across all models, ensuring optimal energy efficiency.
- Correlated Color Temperature (CCT) Selectable: Available in 3500K, 4000K, and 5000K, providing different lighting tones suitable for various applications.
- Color Rendering Index (CRI): Ra 80, ensuring clear and accurate color representation.

▪ Electrical and Operational Features

- Input Voltage: AC 120-277V or 120-347V
- Power Factor: >0.9
- Dimming Capability: 1-10V dimmable for adjustable brightness and energy savings.
- Driver Efficacy: >94%; Ensures stable power delivery with minimal flickering.

▪ Durability and Environmental Adaptability

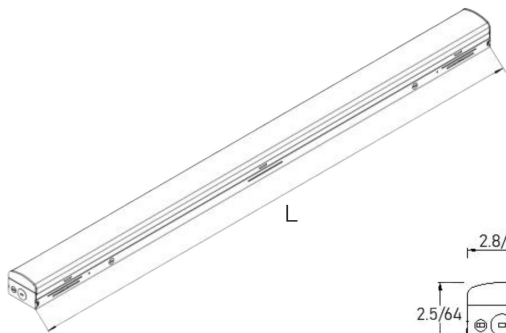
- Life Span: L70 over 189,000 hours, ensuring long-lasting performance with minimal maintenance.
- Working Temperature: Operates reliably in extreme temperatures ranging from -4°F to 122°F.
- Storage Temperature: Can be stored safely between -40°F and 176°F.
- Rated for damp locations, making it suitable for environments with moderate moisture exposure.

▪ Warranty

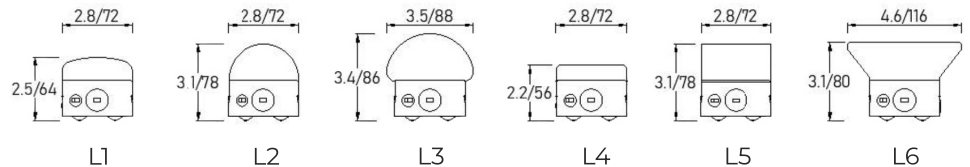
- 5-year limited warranty, providing assurance of product reliability and support.

Dimension

LED Strip



Length	2FT	3FT	4FT	8FT
L(inch)	22.2	35.1	47.3	94.2
L(mm)	563.9	891.5	1201.4	2392.7



Switch&Sensor

CCT Selectable
Switch

Power Selectable
Switch



Occupancy & Daylight Harvesting Sensor
with mounting base
Wireless Bluetooth Optional*


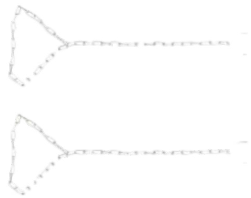




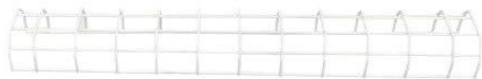
Order Information

Example: **SE-SRP-48-P2-D-CS-U-SE-L1**

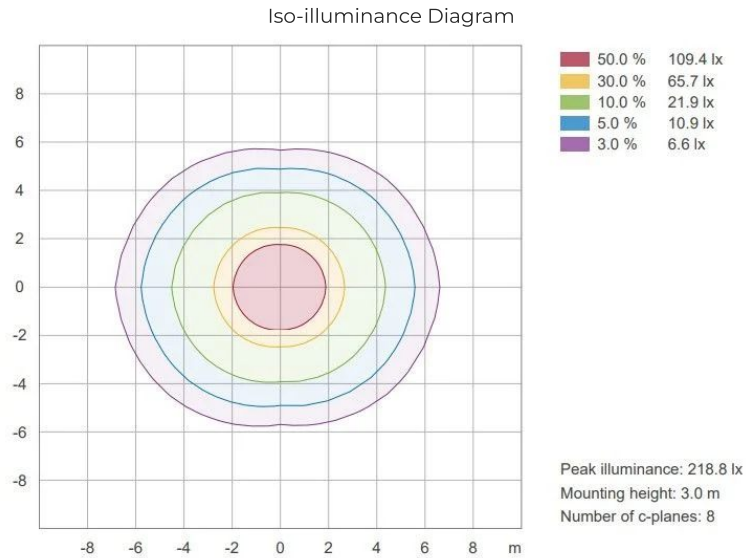
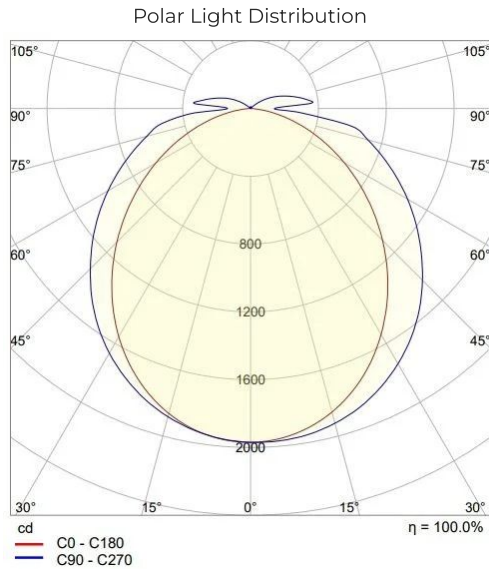
SE	SRP						
Series	Type	Length	Performance Package	Dimming	Color Temperature	Voltage	Efficacy
SE =Starconomy	SRP =LED Strip	48 =48" 96 =96"	P1 =15/20/25W P2 =25/30/40W P3 =35/40/45W P4 =55/60/65W P5 =65/75/90W	D =0-10V Dimming	CS =3500/4000/5000K	U =120-277V H =120-347V	SE =Standard Efficacy 130lm/w HE =High Efficacy 150lm/w
Lens	Options						
L1 L2 L3 L4 L5 L6	Blank =No Sensor M =Occ & Daylight Sensor S =Bluetooth Occ & Daylight Sensor						

Accessories

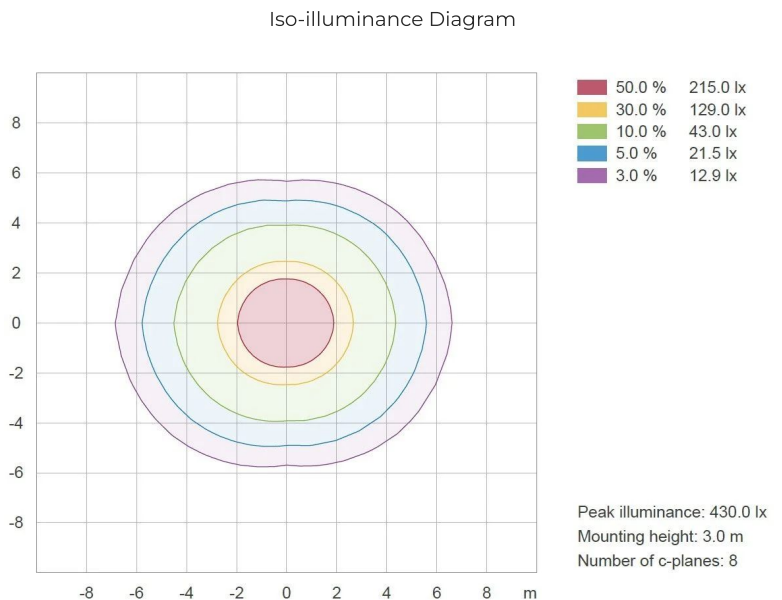
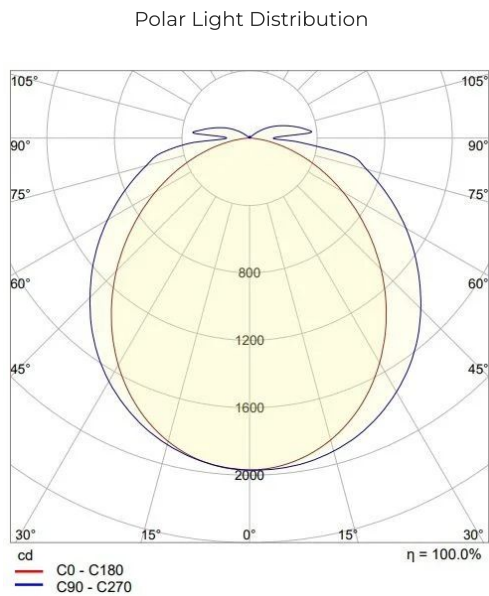
LED Strip

<p>EMD-10</p> <p>EMD-20</p> <p>EMD-30</p>		<p>10W Emergency LED Battery Backup</p> <p>20W Emergency LED Battery Backup</p> <p>30W Emergency LED Battery Backup</p>
<p>SRP-HCK</p>		<p>3FT Hanging Chain Kit</p>
<p>SRP-AC10</p>		<p>10FT Aircraft Cable</p>
<p>SRP-SMK</p>		<p>Surface Mounting Kit</p>
<p>SRP-CCB</p>		<p>Corner Connecting Bracket</p>
<p>SRP-SCB</p>		<p>Straight Connecting Bracket</p>
<p>SPR-WG</p>		<p>Wire Guard</p>

SE-SRP-48-P3 (45W)



SE-SRP-96-P5(90W)



Performance Table

LED Strip

Performance Package	Wattage	CCT	Lumen Output	Efficacy
P1	15	3500K	1965	131
		4000K	2010	134
		5000K	1980	132
	20	3500K	2600	130
		4000K	2660	133
		5000K	2620	131
	25	3500K	3225	129
		4000K	3300	132
		5000K	3250	130
Performance Package	Wattage	CCT	Lumen Output	Efficacy
P2	25	3500K	3300	132
		4000K	3350	134
		5000K	3325	133
	30	3500K	3900	130
		4000K	3990	133
		5000K	3930	131
	40	3500K	5160	129
		4000K	5280	132
		5000K	5240	131
Performance Package	Wattage	CCT	Lumen Output	Efficacy
P3	35	3500K	4550	130
		4000K	4690	134
		5000K	4620	132
	40	3500K	5200	130
		4000K	5320	133
		5000K	5240	131
	45	3500K	5805	129
		4000K	5940	132
		5000K	5895	131

Performance Table

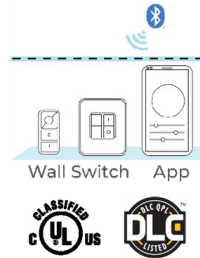
LED Strip

Performance Package	Wattage	CCT	Lumen Output	Efficacy
P4	55	3500K	7150	130
		4000K	7370	134
		5000K	7260	132
	60	3500K	7800	130
		4000K	7980	133
		5000K	7860	131
	65	3500K	8385	129
		4000K	8580	132
		5000K	8515	131
Performance Package	Wattage	CCT	Lumen Output	Efficacy
P5	65	3500K	8450	130
		4000K	8645	133
		5000K	8580	132
	75	3500K	9750	130
		4000K	9975	133
		5000K	9900	132
	90	3500K	11520	128
		4000K	11790	131
		5000K	11700	130

Wireless Control

LED Strip

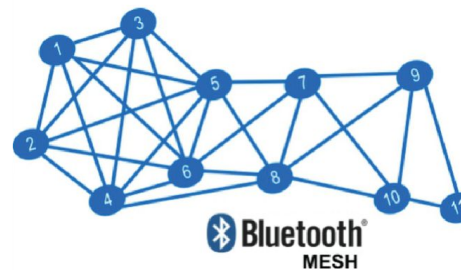
Bluetooth Mesh Wireless Motion&Daylight Sensor



Features

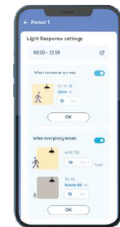
- 2 channels 0-10V
- 12-24VDC powered
- PIR motion sensing
- Ambient daylight sensing
- Output: 15mA @0-10VDC
- Dimming range: 0-100%
- Working temperature: -20 to 50°C (-4 to 122°F)
- BLE5.2 based non-flooding intelligent communication
- Available with either an audio jack or a Zhaga Book 18 connector
- IP65 rated for outdoor applications

Our lights feature integrated Bluetooth Mesh wireless sensors, enabling seamless wireless control for enhanced efficiency and flexibility. This technology allows for real-time monitoring, automated adjustments, and energy savings without the need for additional wiring, making installation and operation simple and cost-effective.



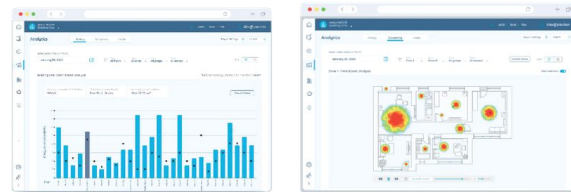
Mobile App

- For commission, configuration and controlling lighting networks including device replacement feature that makes commission easier.
- Setting up schedules, scenes and animations for individual devices or groups or zones
- Always get the latest features and improvements using OTA updates for devices
- Safe and reliable communication with AES 128-bit encryption and ensure safety using 4-digit code



Desktop App

- Track power usage and access reports.
- Occupancy pattern and device usage
- Emergency testing report



BMS Intergration

- Starco Control ecosystem leverages the Niagara framework to intergrate with any of the 120+ BMS protocols.
- Very simple to connect as plugging the two systems into a common Ethernet network.
- All data can be shared and BMS can monitor and control the lighting system.
- Adding OpendADR gateway, the customer can take advantage of any current or future utility demand response programs including peak pricing, capacity bidding and direct load control

