

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The LED Strip is an energy-efficient upgrade solution designed to replace outdated fluorescent strip fixtures with modern LED technology.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 150 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: 2000/2600/3100/3900 Lumens
- SE-SRP-36-P1: 2000/2600/3100/3900 Lumens
- SE-SRP-48-P2: 3100/4000/5100/6000 Lumens
- SE-SRP-48-P3: 6000/7100/8000/10000 Lumens
- SE-SRP-96-P4: 6000/8000/10000/12000 Lumens
- SE-SRP-96-P5: 12000/14000/16000/20000 Lumens

▪ High Efficiency and Performance

- Efficacy: Up to 150 lumens per watt (LPW) across all models, ensuring optimal energy efficiency.
- Correlated Color Temperature (CCT) Selectable: Available in 2700K, 3000K, 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: 0-10V dimmable at 10% 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.

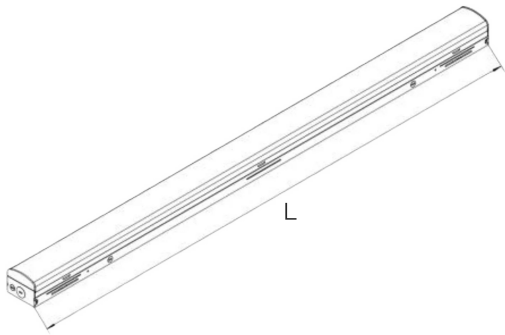
▪ Warranty

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

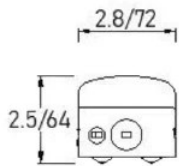


Dimension

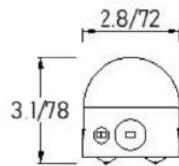
LED Strip



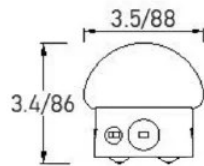
Length	2FT	3FT	4FT	8FT
L(inch)	22.2	35.1	47.3	94.2
L(mm)	563.9	891.5	1201.4	2392.7



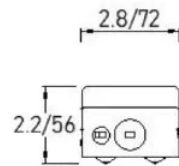
L1



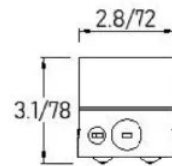
L2



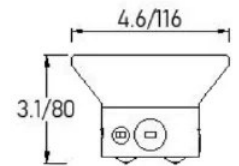
L3



L4



L5



L6

Switch&Sensor

CCT Selectable Switch



Power Selectable Switch



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










Order Information

LED Strip

Example: **SE-SRP-48-P2-D-CS-U-HE-L1-EMD10**

SE	SRP					
Series	Type	Length	Performance Package	Dimming	Color Temperature	Voltage
SE =Starconomy	SRP =LED Strip	24 =24" 36 =36"	P1 =13/17/21/26W	D =0-10V Dimming	CS =2700/3000/3500/ 4000/5000K	U =120-277V H =120-347V
		48 =48"	P2 =21/26/34/40W P3 =40/47/53/68W			
		96 =96"	P4 =40/53/68/80W P5 =80/94/106/136W			
Efficacy	Lens	Control		Options		
HE =150lm/w	L1 =L1 Lens L2 =L2 Lens L3 =L3 Lens L4 =L4 Lens L5 =L5 Lens L6 =L6 Lens	Blank =No Control M =PIR Occupancy & Daylight Sensor S =Bluetooth Mesh Occupancy & Daylight Sensor		EMD10 =10W Emergency Battery Backup EMD20 =20W Emergency Battery Backup EMD30 =30W Emergency Battery Backup <i>*see next page for more mounting options</i>		

Accessories
LED Strip

<p>EMD-10 EMD-20 EMD-30</p>		<p>10W Emergency LED Battery Backup 20W Emergency LED Battery Backup 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-XX "XX" is length in inches (24,36,48,96)</p>		<p>Wire Guard</p>

Performance Table
LED Strip

Performance Package	Wattage	CCT	Lumen Output	Efficacy
P1 (24", 36")	13	2700K	1872	144
		3000K	1885	145
		3500K	1911	147
		4000K	1989	153
		5000K	1976	152
	17	2700K	2448	144
		3000K	2465	145
		3500K	2499	147
		4000K	2584	152
		5000K	2550	150
	21	2700K	3024	144
		3000K	3045	145
		3500K	3087	147
		4000K	3171	151
		5000K	3150	150
	26	2700K	3718	143
		3000K	3744	144
		3500K	3796	146
		4000K	3900	150
		5000K	3874	149

Performance Table
LED Strip

Performance Package	Wattage	CCT	Lumen Output	Efficacy
P2 (48")	21	2700K	3003	143
		3000K	3045	145
		3500K	3087	147
		4000K	3213	153
		5000K	3171	151
	26	2700K	3718	143
		3000K	3770	145
		3500K	3822	147
		4000K	3952	152
		5000K	3900	150
	34	2700K	4862	143
		3000K	4930	145
		3500K	4998	147
		4000K	5134	151
		5000K	5100	150
	40	2700K	5680	142
		3000K	5760	144
		3500K	5840	146
		4000K	6000	150
		5000K	5960	149

Performance Table
LED Strip

Performance Package	Wattage	CCT	Lumen Output	Efficacy
P3 (48")	40	2700K	5680	142
		3000K	5760	144
		3500K	5880	147
		4000K	6080	152
		5000K	6040	151
	47	2700K	6674	142
		3000K	6768	144
		3500K	6909	147
		4000K	7144	152
		5000K	7050	150
	53	2700K	7526	142
		3000K	7632	144
		3500K	7791	147
		4000K	8003	151
		5000K	7950	150
	68	2700K	9588	141
		3000K	9792	144
		3500K	9928	146
		4000K	10200	150
		5000K	10132	149

Performance Table
LED Strip

Performance Package	Wattage	CCT	Lumen Output	Efficacy
P4 (96")	40	2700K	5760	144
		3000K	5800	145
		3500K	5880	147
		4000K	6120	153
		5000K	6080	152
	53	2700K	7632	144
		3000K	7685	145
		3500K	7791	147
		4000K	8056	152
		5000K	7950	150
	68	2700K	9792	144
		3000K	9860	145
		3500K	9996	147
		4000K	10268	151
		5000K	10200	150
	80	2700K	11440	143
		3000K	11520	144
		3500K	11680	146
		4000K	12000	150
		5000K	11920	149

Performance Table
LED Strip

Performance Package	Wattage	CCT	Lumen Output	Efficacy
P5 (96")	80	2700K	11360	142
		3000K	11520	144
		3500K	11760	147
		4000K	12160	152
		5000K	12080	151
	94	2700K	13348	142
		3000K	13536	144
		3500K	13818	147
		4000K	14288	152
		5000K	14100	150
	106	2700K	15052	142
		3000K	15264	144
		3500K	15582	147
		4000K	16006	151
		5000K	15900	150
	136	2700K	19176	141
		3000K	19584	144
		3500K	19856	146
		4000K	20400	150
		5000K	20264	149

Wireless Control

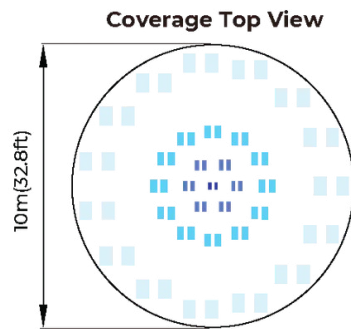
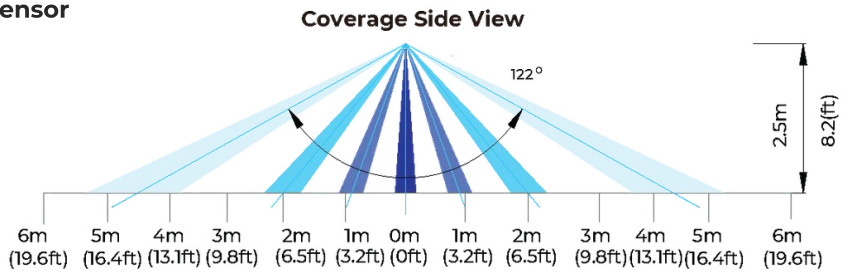
LED Strip

Bluetooth Mesh Wireless Motion&Daylight Sensor



Output Channel

- Output: 15mA @0-10VDC
- Dimming range: 0-100%
- Working temperature: -20 to 50°C (-4 to 122°F)
- Max mounting height: 2.4m to 3m (7.8ft to 10ft)
- Max PIR sensor detection range: 10m in diameter



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

