



**SLES 2 Socket Fit  
Light Engine  
Striplight**



# COOPER Lighting Solutions SLES 2 Socket Fit Light Engine Striplight Owner's Manual

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**COOPER Lighting Solutions SLES 2 Socket Fit Light Engine Striplight**



## Product Usage Instructions

- Ensure power is switched off before installation.
- Mount the Socket-Fit Light Engine Striplight securely on the ceiling using the appropriate hardware.
- Connect the power supply following the provided wiring diagram.
- If emergency or fuse options are included, follow the additional instructions provided.
- Switch off the power and allow the lamp to cool if it has been in use.
- Remove the lamp cover by following the manufacturer's instructions.
- Replace the lamp with the specified TLED T8 lamp option according to the lamp ordering logic.
- Reassemble the lamp cover securely before switching the power back on.

## FAQ

- **Q:** Can I install the Socket-Fit Light Engine Striplight myself?
- **A:** While installation can be done by individuals with experience in electrical work, it is recommended to consult a professional electrician for safety and proper installation.
- **Q:** How do I know which lamp option to choose for replacement?
- **A:** Refer to the lamp ordering logic provided in the user manual to select the appropriate lamp based on length, series, and wattage requirements.
- **Q:** What should I do in case of a power outage with the emergency options?
- **A:** Follow the instructions provided for emergency and fuse options to ensure proper operation during power outages. Contact a qualified technician for assistance if needed.

## SLES

- Socket-Fit Light Engine Striplight

Typical Applications

- Retail
- Office
- Education
- Warehouse

Project		Catalog #		Type	
Prepared by		Notes		Date	



Interactive Menu

- Order Information page 2
- Energy and Performance Data
- Product Warranty

Product Certification



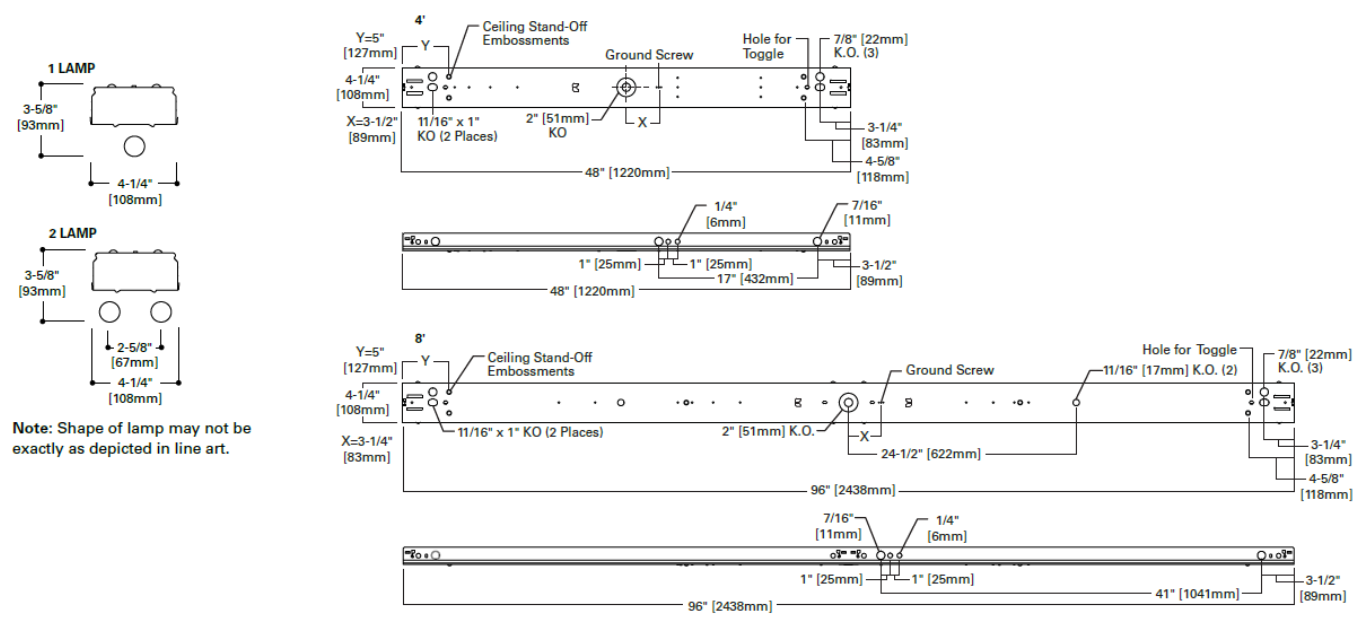
Product Features



Top Product Features

- Flip-up sockets, snap-on aligner, and tool-less cover reduce fixture installation time
- Replaceable TLED lamps lower maintenance costs without removing the fixture
- DLC-compliant lamps maximize energy savings and rebates
- TLEDs are 4ft long and come in 3500, 4000 or 5000K CCT
- Fixtures come in 4ft or 8ft lengths; T8 TLED lamps included (lamps shipped separately)

Dimensional Details



Order Information

Fixture and Lamp Ordering Logic

- SAMPLE ORDER NUMBER: 4SLES-2-T8-2G-B835-U

Length	Series	Lamp Rows	Emergency and Fuse Options	Lamp Spec	Options	Packaging

Length	Series	Lamp Rows	Emergency and Fuse Options	Wattage, Material, CCT/CRI (5), (6)		Options	Packaging
4=4 ft. Length 8T=8 ft. long Tandem	SLES=Socket-fit Light Engine Striplight	1=1 Lamp/4 ft. 2=2 Lamps/4 ft.	<p>[Blank]=None GL=Single Element Fuse</p> <p>GM=Double Element Fuse</p> <p>EL12=12.5W Inverter (1), (2)</p> <p>GTR=Bodine Transfer Relay (3), (4)</p>	<p><b>Type B Glass TLED</b></p> <p><b>T8-1GB</b>=9.9 watts <b>T8-2GB</b>=12 watts <b>T8-3GB</b>=14.5 watts</p>	<p><b>CRI / CCT</b></p> <p><b>T 835</b>=80 CRI, 3500K</p> <p><b>840</b>=80CRI, 4000K</p> <p><b>850</b>=80CRI, 5000K</p>	<p><b>PAF</b>=Paint after fabrication <b>6-3/18 SJT-C &amp;P-515P</b>=Cord &amp; Plug (120 V) (15 AMP) (7)</p> <p><b>6-3/18 SJT-C &amp;P-L715P</b>=Cord &amp; Plug (277V) (15 AMP) (7)</p> <p><b>PI/CPI</b>=Plug-In Option (7), (8)</p>	U=Unit Pack
			<p><b>Notes</b></p> <p>(1) Factory installed with integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency inverter (152 lm/W x 10 = 1520 lumens). (2) 12.5W inverter works for TLEDs up to 15W. (3) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). (4) Must specify voltage as 120 V or 277V when ordering these devices.</p>	<p><b>Notes</b></p> <p>(5) TLEDs are shipped separately from luminaire. (6) TLED Philips lamps are standard.</p>		<p><b>Notes</b></p> <p>(7) Socket brackets left uninstalled.</p> <p>(8) Refer to <a href="#">Strip Accessories Guide</a> for the PI/CPI ordering guide.</p>	

## Accessories

<b>Accessories (order separately)</b>
<b>A-1-B/SPACER-B</b> =Spacer 1-1/2" to 2-1/2" from ceiling (Use 2 Per Fixture) <b>GRP-SSF-U</b> =Gripper Hanger (Use 2 Per Fixture) <b>AYC-CHAIN/SET-U</b> =36" Chain Hanger (Use 1 Set Per Fixture) <b>SCF</b> =Fixed Stem Set (Specify Length) <b>SCS</b> =Swivel Stem Set (Specify Length) <b>SCA</b> =Adjustable 48" Stem Set <b>CCA-xx-NPF/PFS/PFC</b> =Adjustable cable set – 48" or 120" (9) <b>CLC-SSF-B</b> =Long Channel Connector SSF <b>SSF-ASY-4-B</b> =Asymmetric Reflector (4' long) <b>SSF-SYM12-4-B</b> =12" Symmetric Reflector <b>WG/SSF-4FT-B</b> =4' Wire Guard <b>TOGGLE-10</b> =Single Toggle No. 2 10FT long <b>Y-TOGGLE- -2PK</b> =(2) Y-Toggle Cable Kits (Specify 10 or 30 for length in feet)
<b>Notes</b> (9) Specify Length, call out non-power feed (NPF), straight (PFS), or curly power feed (PFC)

#### Lamp Specification / Performance Table (Glass)

Lamp	Philips LED T8 lamp description	Watts	CR I	CCT (K)	Type	Lumens	Lens Material	Efficacy (lm/W)	Philips 12 NC	DLC ID
<b>MainsFit Glass TLED – 4FT</b>										
T8-1G-B835	9.9T8/COR/48-835/MF15/G 10/1	9.9	80	3500	B	1600	Glass	162	929002483704	PJWBAG7L
T8-1G-B840	9.9T8/COR/48-840/MF16/G 10/1	9.9	80	4000	B	1650	Glass	167	929002483804	P4GNLB60
T8-1G-B850	9.9T8/COR/48-850/MF16/G 10/1	9.9	80	5000	B	1650	Glass	167	929002483904	PNRHRC3T
T8-2G-B835	12T8/COR/48-835/MF17/G 10/1	12	80	3500	B	1700	Glass	136	929002484104	P81MG6WR
T8-2G-B840	12T8/COR/48-840/MF18/G 10/1	12	80	4000	B	1800	Glass	144	929002484204	PXKUDN50
T8-2G-B850	12T8/COR/48-850/MF18/G 10/1	12	80	5000	B	1800	Glass	144	929002484304	PVDPRFDJ
T8-3G-B835	14.5T8/COR/48-835/MF20/G 10/1	14.5	80	3500	B	2000	Glass	133	929002484504	PWUOJVW
T8-3G-B840	14.5T8/COR/48-840/MF21/G 10/1	14.5	80	4000	B	2100	Glass	140	929002484604	P7YG7OL7
T8-3G-B850	14.5T8/COR/48-850/MF21/G 10/1	14.5	80	5000	B	2100	Glass	140	929002484704	PDR4QOQZ

## Fixture Performance Data

### Ordering Information/Performance

Catalog	Product Description	Lumen Output, 83 CRI			Efficacy			Wattage 120-277V
		3500 K	4000 K	5000 K	3500 K	4000 K	5000 K	
4SLES-1-T8-1G-B8XX-U	4ft 1-lamp T8 SLES strip, 120-277V, 9.9W CorePro Type B TLED included, Glass TLED	1706	1760	1760	172	178	178	9.9
4SLES-2-T8-1G-B8XX-U	4ft 2-lamp T8 SLES strip, 120-277V, 9.9W CorePro Type B TLED included, Glass TLED	3323	3427	3427	168	173	173	19.8
4SLES-1-T8-2G-B8XX-U	4ft 1-lamp T8 SLES strip, 120-277V, 12W CorePro Type B TLED included, Glass TLED	1813	1920	1920	151	160	160	12
4SLES-2-T8-2G-B8XX-U	4ft 2-lamp T8 SLES strip, 120-277V, 12W CorePro Type B TLED included, Glass TLED	3531	3739	3739	147	156	156	24
4SLES-1-T8-3G-B8XX-U	4ft 1-lamp T8 SLES strip, 120-277V, 14.5W CorePro Type B TLED included, Glass TLED	2133	2240	2240	147	154	154	14.5
4SLES-2-T8-3G-B8XX-U	4ft 2-lamp T8 SLES strip, 120-277V, 14.5W CorePro Type B TLED included, Glass TLED	4154	4362	4362	143	150	150	29
8TSLES-1-T8-1G-B8XX-U	8ft Tandem 1-lamp T8 SLES strip, 120-277V, (2) 9.9W CorePro Type B TLED included, Glass TLED	3413	3519	3519	172	178	178	19.8
8TSLES-2-T8-1G-B8XX-U	8ft Tandem 2-lamp T8 SLES strip, 120-277V, (4) 9.9W CorePro Type B TLED included, Glass TLED	6647	6855	6855	168	173	173	39.6
8TSLES-1-T8-2G-B8XX-U	8ft Tandem 1-lamp T8 SLES strip, 120-277V, (2) 12W CorePro Type B TLED included, Glass TLED	3626	3839	3839	151	160	160	24
8TSLES-2-T8-2G-B8XX-U	8ft Tandem 2-lamp T8 SLES strip, 120-277V, (4) 12W CorePro Type B TLED included, Glass TLED	7062	7478	7478	147	156	156	48
8TSLES-1-T8-3G-B8XX-U	8ft Tandem 1-lamp T8 SLES strip, 120-277V, (2) 14.5W CorePro Type B TLED included, Glass TLED	4266	4479	4479	147	154	154	29
8TSLES-2-T8-3G-B8XX-U	8ft Tandem 2-lamp T8 SLES strip, 120-277V, (4) 14.5W CorePro Type B TLED included, Glass TLED	8309	8724	8724	143	150	150	58

**Note:** Lamps shipped separately from the fixture.

## Load Data

	4'	8'
PF	> .9	
THD%	< 20%	
Low Temp Start	-20° C	
Max Ambient Temp	45° C	
Weight lbs.	4.4	9.8

## Shipping Data (SLES fixture only)

Catalog No.	Length	Wt.	Pallet Qty.	Pallet Weight
4SLES	4 ft.	5.1 lbs.	90	570 lbs.
8TSLES	8 ft.	10.2 lbs.	72	784 lbs.

## Product Specifications

### Construction

- Die-formed white steel housing channel
- Multiple channel KOs fit standard trade size conduits
- Available in 4ft and 8ft lengths
- The lamp holder bracket (flip-up socket) rotates and locks in place
- Steel channel/wireway cover secured using 1/4-turn fasteners
- The end plate converts to a snap-on channel aligner for continuous row mounting

### Electrical

- Fully tested electrical systems comply with UL TLED requirements
- TLED lamp sources are Type B:
- Energized using direct wire to each TLED socket
- Universal voltage (120-277V)
- Dual-ended lamps prevent damage if the wrong type of lamp is installed.

### Performance

- TLEDs provide easy maintenance and replacement similar to traditional fluorescent lamps
- Specialized sockets and electrical protection circuits ensure safety, durability, and electrical code compliance
- Refer to the lamp table for TLED lamp type, lens material, and lumen data
- The performance will vary by lamp selection and type



- TLED lamps are rated to L70/50K life hours
- TLED lamp included with the order. Shipped separately from fixture

## **Warranty**

- Fixture = 5 years
- Glass lamp = 5 years

## **Finish**

- Pre-treated with multi-stage iron phosphate
- Standard baked white enamel finish
- PAF option available

## **Compliance**

- cULus listed for damp locations
- Rated for -20C to 45C ambient operation
- IESNA LM-79 and LM-80 compliant TLED lamps
- Meets FCC, part 15 Class A requirements
- DesignLights Consortium (R) qualified and classified under DLC Standard
- Suitable for use in closet storage spaces when installed by NFPA-70 and NEC 410.16 spacing requirements

## **Emergency Options**

- Integrated factory installed EL12 inverter option for TLED fixture emergency backup use
- Only ONE lamp will be powered by an EL inverter emergency backup

## **Mounting**


- SLES can be installed using various mounting methods. Numerous options and accessories are available.
- SLES should not be vertically mounted on the wall

## **CONTACT**

### **Cooper Lighting Solutions**

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Documents / Resources

	<p><a href="#">COOPER Lighting Solutions SLES 2 Socket Fit Light Engine Striplight</a> [pdf] Owner's Manual</p> <p>SLES 2, SLES 2 Socket Fit Light Engine Striplight, Socket Fit Light Engine Striplight, Fit Light Engine Striplight, Light Engine Striplight, Engine Striplight, Striplight</p>
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References

- [User Manual](#)

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