

# Sunco


Lighting made better.

User Manual

## 8ft Selectable Strip Light

SKU: ST8\_90SW-WH-3550K

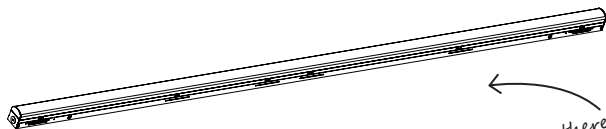


 [support@sunco.com](mailto:support@sunco.com)  
(877) 334-9938

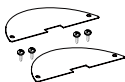


# What's in the Box?

## Strip Light



Let there be light!  
(literally)



(A) **x2**

J-Box Cover Plate  
(with Screws)



(B) **x2**

Self-tapping  
Mounting Screws



(C) **x2**

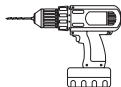
Plastic Anchors



(D) **x3**

Wire Nut

## Get Your Gear (Not Included)



Drill



Screwdriver



Ladder



Wire Strippers

# Before You Start

## Safety Information

### To reduce the risk of fire, electric shock, or physical injury:

- Turn off power before changing fixture.
- Suitable for use in damp environments at temperatures ranging from -4°F to 122°F. Not for use where directly exposed to water.
- Not intended for use with emergency fixtures.
- Not compatible with photo controls.
- Not compatible with occupancy sensors.
- Not compatible with 3rd party sensors.
- Not compatible with all dimmers. For more dimming information, please visit [www.sunco.com](http://www.sunco.com).
- Not compatible with timing devices.
- All electrical connections must be in accordance with local and National Electric Code (N.E.C.) standards.
- Please review installation manual carefully before proceeding. Consult a qualified electrician if you are unfamiliar with proper electrical wiring connections.



#### WARNING:

Cancer & Reproductive Harm- [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1.) This device may not cause harmful interference.

2.) This device must accept any interference that may cause undesired operation. Please review all instructions carefully prior to installation.

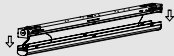
## Quickstart Guide



### Step 1

Install J-Box cover plate.

Press on rectangular holes and hold down.



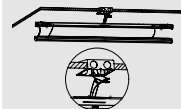
### Step 2

Open luminaire by pressing sides of rectangular hole and pull down.



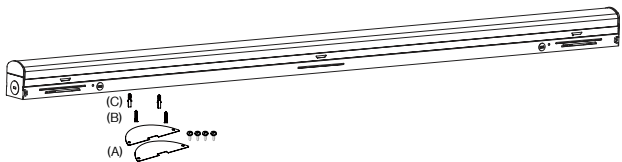
### Step 3

Fix luminaire to ceiling.

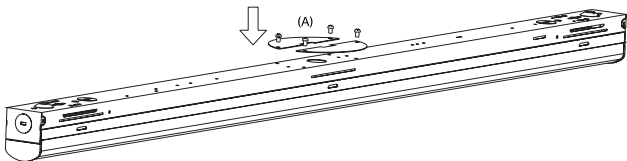


### Step 4

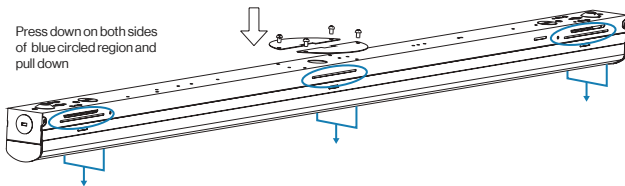
Connect supply wires, then snap luminaire into place.



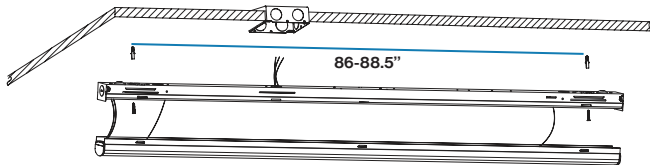
**STEP 1** a. Remove components from accessory bag.



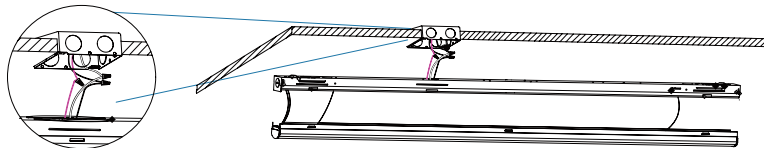
**STEP 2** a. Align J-Box cover plate (A) with center of luminaire and install with cover plate screws.



- STEP 3** a. Open luminaire cover by pressing down both sides of narrow rectangular holes, then pull down.



- STEP 4** a. Align luminaire to ceiling and mark drilling holes to desired location (range at about 86-88.5").  
b. Drill pilot holes, insert plastic anchors (B), then fix luminaire to ceiling using self-tapping screws (C).



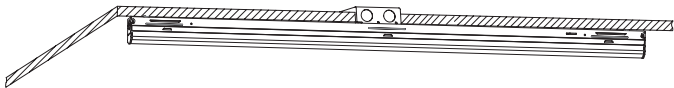
### STEP 5

a. Connect light wires with supply wires:

- Black to Black (Live) • White to White (Neutral) • Green to Bare Copper (Ground)

b. Optional: To using dimming features, connect wires:

- Purple to Purple • Pink to Pink



### STEP 6

a. Close the lens cover and ensure it is snapped into place.

# Product Details

## Recommended Dimmers

Brand	Model
LEVITON	ILLUMATECH IP710-LFZ
LUTRON	DIVADVSTV
LUTRON	Maestro MS-Z101
LUTRON	Nova T NTSTV
PHILIPS	Sunrise SR1200ZTUNV

Scan for the full  
compatible dimmer list!



## Specifications

<b>Voltage</b>	120V-277V	<b>Average Lifetime</b>	50,000 hrs
<b>Wattage</b>	65W/75W/90W	<b>Lumens</b>	8450/9750/11700lm
<b>Beam Angle</b>	110°	<b>Moisture Rating</b>	Damp Location
<b>Weight</b>	7.9lbs	<b>CRI</b>	>80
<b>Efficacy</b>	130lm/w	<b>Usage</b>	Indoor
<b>Housing Material</b>	Sheet Metal+Plastic Lens	<b>Amps</b>	0.75A
<b>Dimmable</b>	0-10V	<b>Warranty</b>	5 Years

# Common Troubleshooting

We've got you covered! Our troubleshooting section is here to shed some light and provide you with easy-to-follow solutions for any problem.

If you still need some assistance, feel free to contact us. Our team of lighting experts are happy to help brighten your day.

## Installation

Light isn't turning on.

Double check if fixture is properly connected and circuit breaker hasn't been tripped.

Light isn't bright enough.

Check proper wattage & for unobstructed fixture.

## Dimming

Light not dimming to lowest setting.

Ensure minimum dimmer load requirement is met.

Light not dimming smoothly.

Verify dimmer compatibility with fixture.

Light not compatible with dimmer switch.

Check light-dimmer compatibility. Consider purchasing compatible switch if necessary.

## Flickering

Light is flickering when turning on.

Check that fixture wiring connections are secure.

Light flickering with lights on the same circuit.

Prevent circuit overload from lights.

Light flickering when turned on.

Verify fixture compatibility and that it is grounded.

Light flickering when dimmed.

Verify dimmer switch compatibility.

## Buzzing

Fixture buzzing with power outages.

Confirm secure surge protector link for light.

Fixture buzzing with appliances.

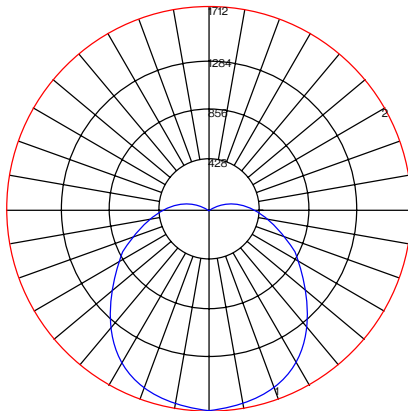
Look for nearby interferences that can cause buzzing. Such as televisions, radios, etc.

Fixture buzzing when dimmed.

Verify dimmer switch compatibility.



# Light Distribution Angle



←  
*Not a lighting nerd?  
No worries, you can skip this page*

Maximum Candela = 1712.2 Located At  
Horizontal Angle = 30, Vertical Angle = 1  
#1-Vertical Plane Through Horizontal Angles  
(30.210) (Through Max. Cd.)  
#2-Horizontal Cone Through Vertical Angle  
(1) (Through Max. Cd.)

The lighting distribution angle determines how light spreads from a source and impacts its illumination. Two main types exist: symmetric and asymmetric.

**Symmetric Lighting:** This emits light evenly in all directions, forming a cone-shaped pattern. Great for general lighting in large areas, it's used for tasks like area illumination, security, and perimeter lighting. Also applied in up-lighting.

**Asymmetric Lighting (Beam Angle):** This directs light in a specific direction, reducing glare and spill. Ideal for task lighting, it's common in settings like landscapes, retail stores, and museums.

**Note:** Reflectors, lenses, and source to surface distance can affect the lighting distribution angle.

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