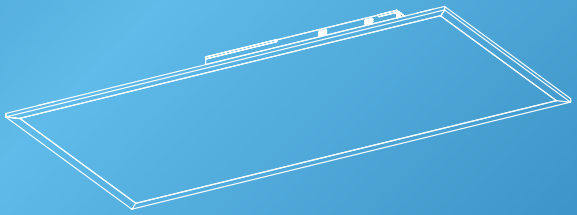
Sunco

Lighting made better.

User Manual

2x4 LED High Output Dual Selectable Ceiling Panel

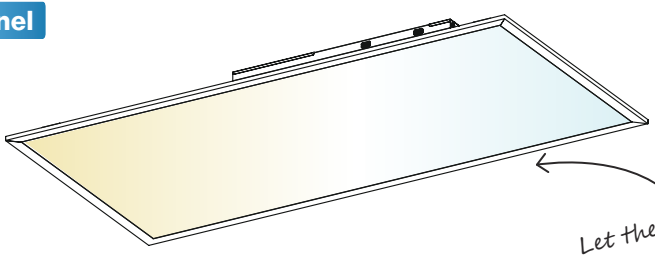
SKU: PN24_HO



support@sunco.com
(844) 334-9938

What's in the Box?

Ceiling Panel



Let there be light!
(literally)

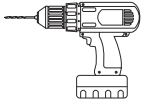
Accessories



A

Wire Nuts **x5**

Get Your Gear (Not Included)



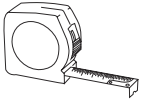
Drill



Hammer



Pliers



Tape Measure



Pencil



Phillips Screwdriver



Ladder



Leveler

Before You Start

Safety Information

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

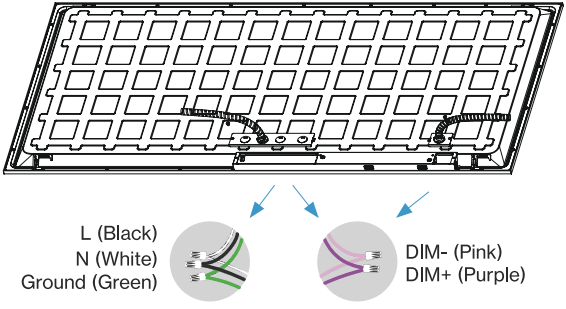
- Turn off circuit breaker before installing this fixture.
- Suitable for use in wet environments at temperatures ranging from 32°F to 113°F.
- Not for use where directly exposed to water.
- Not intended for use with emergency fixtures.
- Not compatible with photo controls.
- Not compatible with occupancy sensors.
- Not compatible with third party sensors.
- Not compatible with all dimmers. For more dimming information, please visit 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

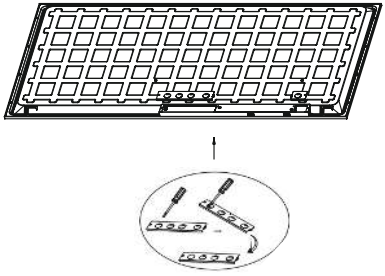
This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

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.

Wiring Diagram



Installation Guide (Recessed Mount)



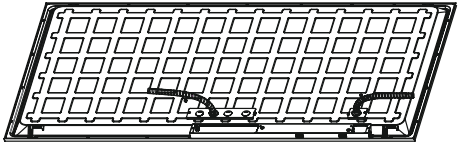
STEP 1

a. Turn off circuit breaker before installation.

b. Place ceiling panel face down on a flat surface.

c. Unscrew the driver cover and set aside screws.
Then, pop out desired knockouts (choice of 5).

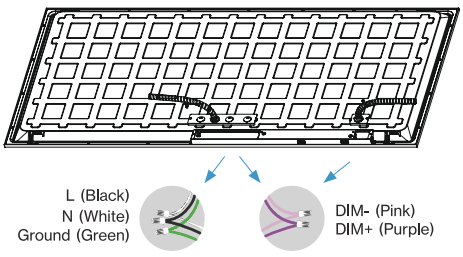
Optional: If using dimming wires, pop out an additional knockout from the three available knockouts.



STEP 2

a. Connect the wire conduit to each knockout, then feed the wires through.

Installation Guide (Recessed Mount)

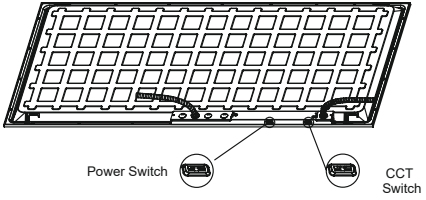


STEP 3

a. Connect supply wires with luminaire wires using included wire nuts (A):
- Black to Black (Live)
- White to White (Neutral)
- Green to Bare Copper (Ground)

b. For wire connections with multiple hot wires (240/277V):
- Black to Red (HOT1)
- White to Red (HOT2)
- Green to Bare Copper (Ground)

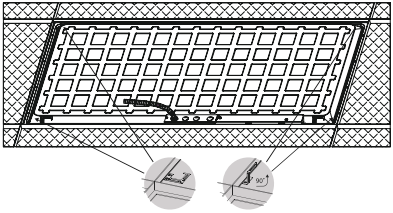
c. Optional: Connect compatible device for dimming features. Otherwise, cap wires if the dimmer is not being used.
- Pink to Pink (DIM-)
- Purple to Purple (DIM+)



STEP 4

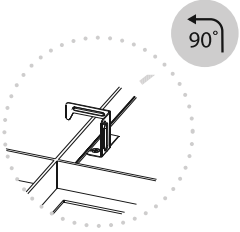
a. Use the switches on the back of the Ceiling Panel to select desired wattage and color temperature.

b. Replace the driver covers, then tighten the screws.



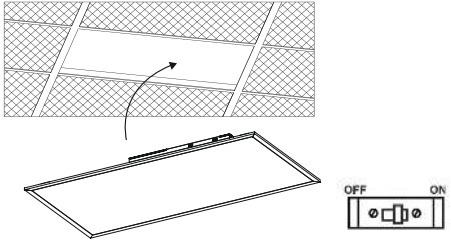
STEP 5

a. Bend the 4 protective brackets located on the back of Ceiling Panel up 90°.



STEP 6

a. Turn the brackets 90°. The hook should face the outside edge of the Ceiling Panel.

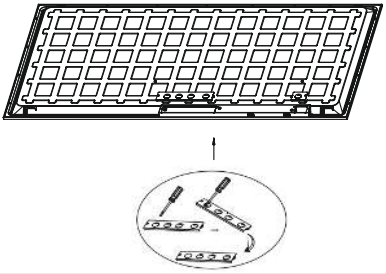


STEP 7

a. Install the ceiling panel into the ceiling.

b. Turn on the circuit breaker and test light.

Installation Guide (Suspension Mount, Not Included)



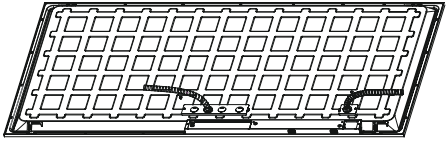
STEP 1

a. Turn off circuit breaker before installation.

b. Place the ceiling panel face down on a flat surface.

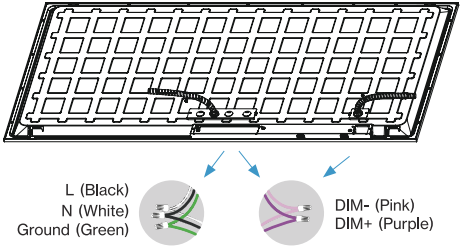
c. Unscrew driver cover and set aside screws. Then, pop out desired knockouts (choice of 5).

Optional: If using dimming wires, pop out an additional knockout from the three available knockouts.



STEP 2

a. Connect the wire conduit to each knockout, then feed the wires through.

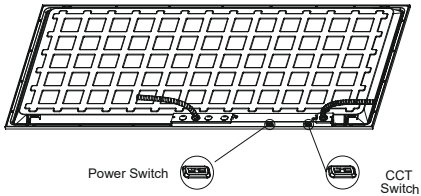


STEP 3

a. Connect supply wires with luminaire wires using included wire nuts (A):
- Black to Black (Live) • White to White (Neutral)
- Green to Bare Copper (Ground)

b. For wire connections with multiple hot wires (240/277V):
- Black to Red (HOT1) • White to Red (HOT2)
- Green to Bare Copper (Ground)

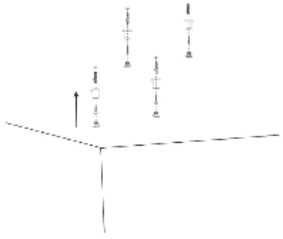
c. Optional: Connect compatible device for dimming features. Otherwise, cap wires if the dimmer is not being used.
- Pink to Pink (DIM-) • Purple to Purple (DIM+)



STEP 4

a. Use the switches on the back of the Ceiling Panel to select desired wattage and color temperature.

b. Replace the driver covers, then tighten the screws.

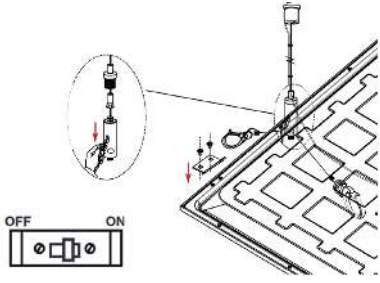


STEP 5

a. Drill 4 holes into desired area of the ceiling.

b. Insert plastic anchors (not included) into screw holes, insert wire rope (not included) and mounting screws (not included).

Note: Refer to suspension kit install manual (not included) for complete details.



STEP 6

a. Adjust suspension wire to ensure the ceiling panel hangs horizontally and evenly.

b. Adjust light to ceiling, then secure using protective brackets.

c. Once the ceiling panel is installed, turn on the circuit breaker to test the light.

Product Details

Recommended Dimmers

Brand	Model
LUTRON	DVSTV
LUTRON	NTSTV-DV
LUTRON	DVTV
LEVITON	AWSMT-7DW
LEVITON	DD710-BDZ
LEVITON	DS710-10Z
LEGRAND	WS4FBL3PTC
LEGRAND	RH4FBL3PTC

Scan for the full compatible dimmer list!

Selectable Lumens

PN24_HO-2750K	PN24_HO-3050K	PN24_HO-4060K	PN24_HO-5065K
5000/6500/7700 lm	5000/6500/7700LM	5000/6500/7700LM	5000/6500/7700LM

Specifications

Voltage	120 to 277V	**Average Lifetime**	50,000 Hours
Selectable Wattage	40W/50W/60W	**Power Souce**	AC Power
Beam Angle	120°	**Moisture Rating**	Damp Rated
Efficacy	134 lm/w	**CRI**	80+
Power Factor	>0.9	**IP Rating**	IP20
Housing Material	SPCC	**Usage**	Indoor
Dimmable	0-10V Dimming	**Warranty**	7 Years

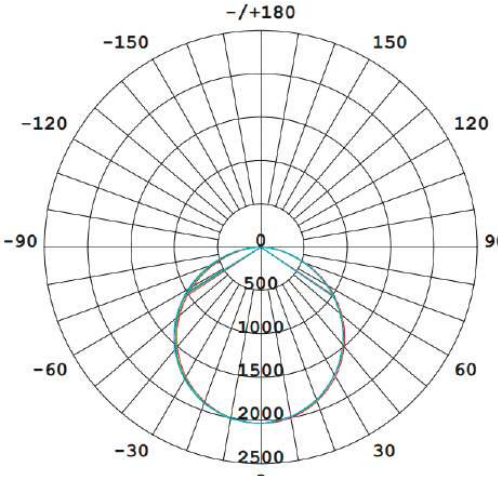
Common Troubleshooting

Feeling in the dark about an issue with your product? No worries! 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, please feel free to contact us with any questions. 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 and 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 a compatible switch if necessary.
Flickering	
Light is flickering when turning on.	Check that fixture wiring connections are secure.
Light flickering with other lights on the same circuit.	Check that the lights on the same circuit are not overloading the circuit.
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.	Verify light is connected to surge protector securely.
Fixture buzzing with appliances or electronic devices.	Look for nearby interferences that can cause buzzing. Such as televisions, radios, computers, etc.
Fixture buzzing when dimmed.	Verify dimmer switch compatibility.

Light Distribution Angle



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

AVERAGE BEAM ANGLE (50%): 113.6 DEG

C0/180	113.0°
C30/210	113.3°
C60/240	113.9°
C90/270	114.1°

UNIT:cd Luminous Intensity Distribution 1

Lighting distribution angle refers to the spread of light emitted from a light source. It is an important factor to consider when selecting a fixture or bulb, as it affects the way it will illuminate an area. There are two main types of lighting distribution angles:

A symmetric lighting distribution emits light evenly in all directions, creating a cone-shaped pattern that provides a pool of light. This type of lighting is ideal for general lighting and illuminating large areas. Common applications for symmetric lighting include general area illumination, security lighting, and perimeter lighting. Symmetric lighting is also used to a certain degree in up-lighting.

An asymmetric lighting distribution angle, also known as beam angle, creates a pattern that focuses light in a specific direction. This type of lighting is ideal for task lighting as it reduces glare and light spill in other areas. Common applications include task lighting in spaces such as landscape settings, retail stores, museums, and much more.

It is important to note that the lighting distribution angle can also be affected by other factors such as the reflector design of the light source, the type of lens used, and the distance between the light source and the surface being illuminated.

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Lighting made better.

support@sunco.com
(844) 334-9938

REV 2.0