

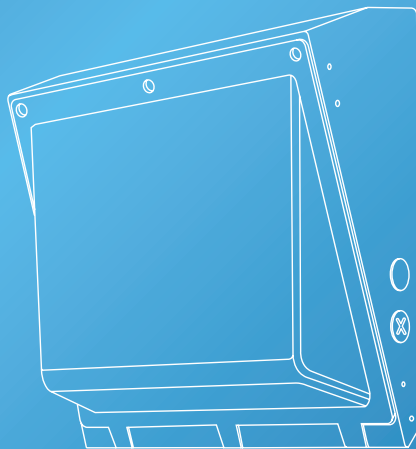
# Sunco

Lighting made better.

User Manual

## LED Wall Pack

SKU: WP\_DD\_60SW-BR-3050K  
WP\_DD\_120SW-BR-3050K  
WP\_DD\_45W-BR  
WP\_DD\_80W-BR  
WP\_DD-BR  
WP\_BR-3050K

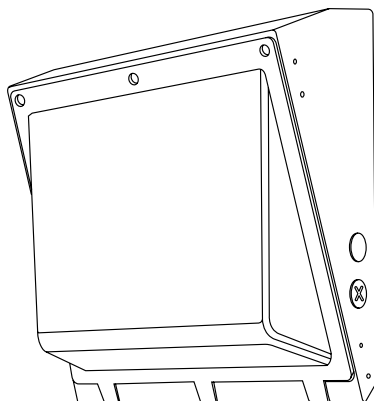


support@sunco.com  
(844) 334-9938



# What's in the Box?

## LED Wall Pack



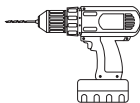
Let there be light!  
(literally.)

## Get Your Gear



(a)

Light Fixture



(b)

Drill



(c)

Wire Strippers



(d)

Screwdriver



(e)

Ladder



(f)

Leveler

# Before You Start

## Safety Information

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

- Turn off the switch and circuit breaker before installing this LED light fixture.
- This product should be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Use safety precautions and abide by related regional and local laws or regulations.
- Proper grounding is required to ensure safety.
- Suitable for use in wet environments.
- Do not mount near gas or electric heaters.
- Equipment should be mounted in locations and at heights where it will not be subject to tampering by unauthorized personnel.
- Check for damage during shipping prior to install. If the product is damaged, do not use it.

- To ensure efficient light, regularly clean the light panel. Do not clean with harsh solvents.
- Not compatible with occupancy sensors.
- Not compatible with third party sensors.
- Not compatible with timing devices.

**This device complies with Part 15 of the FCC rules.**

**Operation is subject to the following two conditions:**

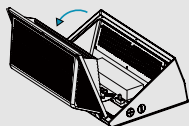
**1) This device may not cause harmful interference.**

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



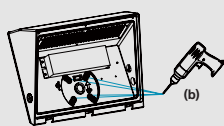
**WARNING:**  
Cancer & Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Quickstart Guide



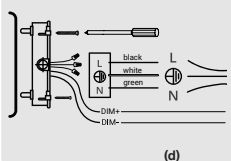
### Step 1

Open fixture and remove cover.



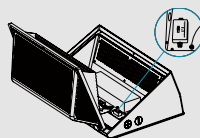
### Step 2

Drill through fixture's mounting holes as desired.



### Step 3

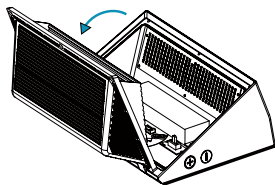
Connect the corresponding wires.



### Step 4

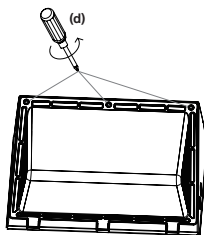
Adjust the constant current, CCT, and wattage to desired levels.

# Installation Guide



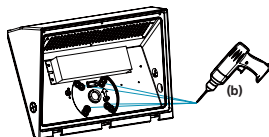
## STEP 1

- Turn off the circuit breaker for the location where the wall pack will be installed. Make sure the area is well-lit by sunlight if the dusk to dawn sensor is going to be used.
- Install a compatible junction box (optional, not included).



## STEP 2

- Unscrew the top three screws from the lens, allowing you to remove it. The lens may spring forward.

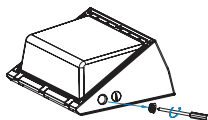


## STEP 3

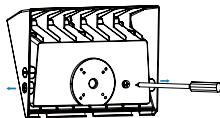
- Drill (b) out the holes you will be using to connect the wall pack to the junction box.  
If you are not using a junction box, drill out the top two outer holes in the circle.
- Use the bubble level to ensure the up arrow is properly aligned with the ground.

# Installation Guide (Cont.)

(a) Non Junction box



(b) Junction box



## STEP 4

**a. Before mounting the wall pack, unscrew a cable port. There is one above the junction box and one on either side.**

## STEP 5

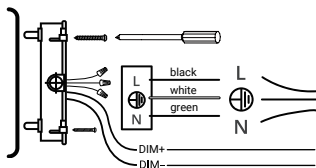
**a. Thread light wires through cable ports, then connect light wires with supply wires;**

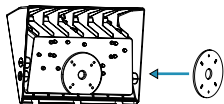
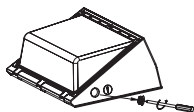
1. Black to Black (Live) • White to White (Neutral) • Green to Bare Copper (Ground)

**b. Optional: To using dimming features, connect dimming wires to compatible device.**

1. Violet (+) to Violet • Pink (-) to Pink

Note: Dimming wires do not apply to WD\_DD-BR.





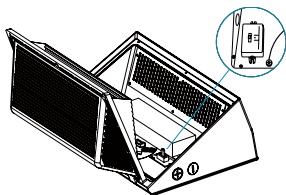
### STEP 6

**Junction Box:**

Secure the wall pack to the junction box.

**Non Junction Box:**

Secure the wall pack to the wall. We recommend using a conduit for wall packs to protect the cables with a water-resistant seal.



### STEP 7

a. Adjust wattage and color temperature to your liking (options vary by model). You may want to restore power for this step, but be careful of the bright LEDs.

b. Reattach the lens by hooking it under the metal loops and then installing the screws.

# Product Details

## Recommended Dimmers

Brand	Model
LUTRON	NTSTV-DV-WH
LUTRON	NFTV-IV
LUTRON	DVTV-WH
LEVITON	IP710-LFZ
LEVITON	DS710-10Z
LEGRAND	RH4FBL3PW



*Scan for the full  
compatible dimmer list!*

## WP\_DD\_60SW-BR-3050K Specifications

<b>Voltage</b>	120V-277V	<b>Average Lifetime</b>	50000 Hours
<b>CCT</b>	3000K/4000K/ 5000K	<b>Moisture Rating</b>	Wet Rated
<b>Lumens</b>	4600 lm / 6800 lm / 8600 lm	<b>CRI</b>	80+
<b>Beam Angle</b>	85°	<b>Usage</b>	Outdoor
<b>Housing Material</b>	Die Cast Aluminium	<b>IP Rating</b>	IP65
<b>Dimmable</b>	0-10V	<b>Warranty</b>	7 Years

## WP\_DD\_120SW-BR-3050K Specifications

<b>Voltage</b>	120V-277V	<b>Average Lifetime</b>	50000 Hours
<b>CCT</b>	3000K/4000K/ 5000K	<b>Moisture Rating</b>	Wet Rated
<b>Lumens</b>	12000 lm / 15000 lm / 18000 lm	<b>CRI</b>	80+
<b>Beam Angle</b>	100°	<b>Usage</b>	Outdoor
<b>Housing Material</b>	Die Cast Aluminium	<b>IP Rating</b>	IP65
<b>Dimmable</b>	0-10V	<b>Warranty</b>	7 Years

\*Not all options are applicable to all models.

# Product Details

## WP\_DD\_45W-BR Specifications

<b>Voltage</b>	120V-277V	<b>Average Lifetime</b>	50000 Hours
<b>CCT</b>	4000K, 5000K	<b>Moisture Rating</b>	Wet Rated
<b>Lumens</b>	7,000 lm	<b>CRI</b>	80+
<b>Beam Angle</b>	85°	<b>Usage</b>	Outdoor
<b>Housing Material</b>	Die Cast Aluminium	<b>IP Rating</b>	IP65
<b>Dimmable</b>	0-10V	<b>Warranty</b>	7 Years

## WP\_DD\_80W-BR Specifications

<b>Voltage</b>	120V-277V	<b>Average Lifetime</b>	50000 Hours
<b>CCT</b>	5000K	<b>Moisture Rating</b>	Wet Rated
<b>Lumens</b>	11,500 lm	<b>CRI</b>	80+
<b>Beam Angle</b>	100°	<b>Usage</b>	Outdoor
<b>Housing Material</b>	Die Cast Aluminium	<b>IP Rating</b>	IP65
<b>Dimmable</b>	0-10V	<b>Warranty</b>	7 Years

\*Not all options are applicable to all models.



# Product Details

## WP\_DD-BR Specifications

<b>Voltage</b>	120V-277V	<b>Average Lifetime</b>	50000 Hours
<b>CCT</b>	4000K, 5000K	<b>Moisture Rating</b>	Wet Rated
<b>Lumens</b>	16,200 lm	<b>CRI</b>	80+
<b>Beam Angle</b>	100°	<b>Usage</b>	Outdoor
<b>Housing Material</b>	Die Cast Aluminum	<b>IP Rating</b>	IP65
<b>Dimmable</b>	0-10V	<b>Warranty</b>	7 Years

## WP\_BR-3050K Specifications

<b>Voltage</b>	120V-277V	<b>Average Lifetime</b>	50000 Hours
<b>CCT</b>	3000K / 4000K / 5000K	<b>Moisture Rating</b>	Wet Rated
<b>Lumens</b>	8200 lm	<b>CRI</b>	80+
<b>Beam Angle</b>	85°	<b>Usage</b>	Outdoor
<b>Housing Material</b>	Die Cast Aluminum	<b>IP Rating</b>	IP65
<b>Dimmable</b>	0-10V	<b>Warranty</b>	7 Years



*Scan for full Dusk  
to Dawn instructions!*

# 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 unexpectedly fails.

For further assistance, reach out to customer support.

## Dimming

Light not dimming to lowest setting.

Verify dimmer compatibility with fixture.

Light not dimming smoothly.

Verify dimmer compatibility with fixture.

Light not compatible with dimmer switch.

Verify dimmer compatibility with fixture.

## 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 compatibility with fixture.

## Buzzing

Fixture buzzing with power outages.

Verify light is connected to surge protector securely.

Fixture buzzing with appliances or electronic devices.

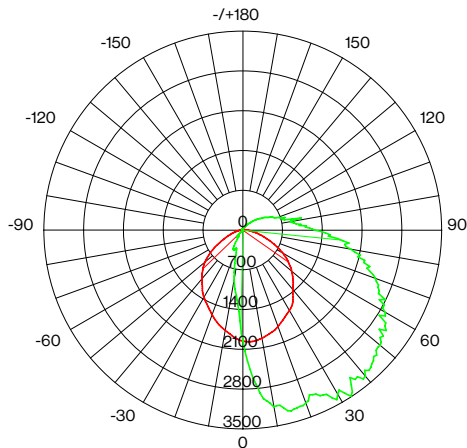
Look for nearby interferences that can cause buzzing. Such as televisions, radios, computers, etc.

Fixture buzzing when dimmed.

Verify dimmer compatibility with fixture.

# Light Distribution Angle

## INTENSITY DISTRIBUTION DIAGRAM IN C PLANS



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

AVERAGE BEAM ANGLE (50%): 102.9 DEG

<span style="color: red;">—</span>	C0/180	50.9,49.9
<span style="color: green;">—</span>	C30/210	29.1,64.5
<span style="color: blue;">—</span>	C60/240	24.2,86.7
<span style="color: cyan;">—</span>	C90/270	19.4,87.5

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 a 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.

# Sunco

Lighting made better.