

LED WALLPACK

Installation Instructions



**THIS INSTALL MANUAL IS APPLICABLE FOR
MODEL NO : WPL-50/WPL-80W/WPL-120W**

SAFETY INFORMATION

IMPORTANT

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE NATIONAL ELECTRICAL CODE AND LOCAL BUILDING CODES BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

PRECAUTIONS

- Please read and understand this entire manual before attempting to assemble, install, or operate this light fixture.
- This light fixture requires a 120-277 Volt AC power source.
- Some codes require installation by a qualified electrician.
- This light fixture must be properly grounded.
- Make sure connections are secure using wire nuts, crimp-on lugs or other approved connecting devices.
- This light fixture should be installed indoors to a ceiling, recessed mount application



WARNING: Turn the power off at the circuit breaker or fuse. Place tape over the circuit breaker switch and verify power is off at the light fixture.



CAUTION: Burn hazard. Allow the light fixture to cool before touching.



NOTICE: If using dimming function, only connect to 0-10V approved dimming switches or control system



NOTICE: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authorization to operate this equipment.



INFORMATION: The device is tested and found to comply with Part 15 of the FCC Rules. Operation is subject to two conditions: (1) This device may not cause harmful interference and, (2) this device must accept any interference received, including any interference that may cause undesired operation. These limits are designed to provide reasonable protections against harmful interference when the equipment is operated in a commercial environment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Contact us : For support & assistance, please feel free to contact us below.

E-Mail: info@medinahpower.com | **Web:** www.medinahpower.com | **Ph:** +1 (844) 870-5337

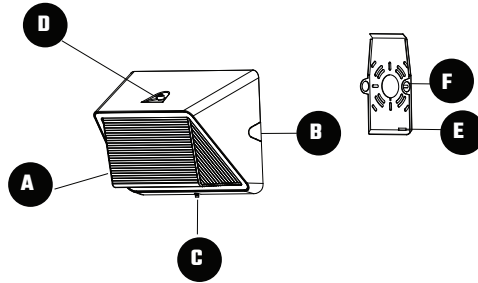
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PRE-INSTALLATION (CONTINUED)

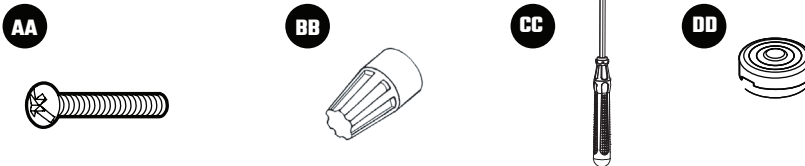
PACKAGE CONTENTS



PART	DESCRIPTION	QUANTITY
A	Light fixture	1
B	Conduit entry knock-out feature	2
C	Mounting plate tightening screw (pre-installed)	1
D	Photocell black opaque cap cover	1
E	Leveling bubble	1
F	Mounting plate	1

HARDWARE KIT

 **NOTE:** Hardware not shown to actual size.



PART	DESCRIPTION	QUANTITY
AA	#8-32 x 3/4" Phillips head screw	2
BB	Wire nut	3
CC	Hex head screwdriver	1
DD	Clear photocell cover cap	1

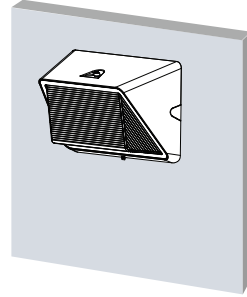
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PREPARING FOR INSTALLATION

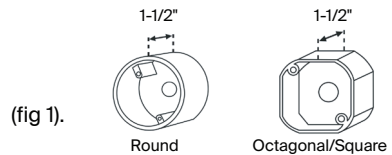
- The fixture can be mounted in the following two ways:
 - Junction Box Mount:** Use a junction box to mount the fixture.
 - Surface Conduit Mount:** The fixture can also be mounted directly on the wall surface using conduit entry.
- When mounting fixture, for Dusk to Dawn operation, make sure the photocell orientation is at the top for wall mount, in an area that receives daylight and not too close to reflective surfaces.
- When installing two fixtures on one switch, make sure the switch is rated for at least a 1A inductive load.
- If dimming, use with 0-10V dimming switch.



Wall Mount



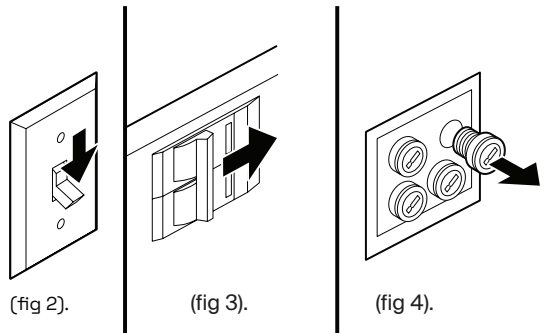
NOTE: Mounting base (D) mounts to recessed mounted standard junction boxes or to the surface directly. Junction box must be at least 1-1/2 inch in depth for proper installation for recessed mount application (fig 1).



INSTALLATION

1 SHUT OFF ELECTRIC POWER OFF

- Verify wall switch is in OFF position (fig 2).
- At the main electrical panel, turn off the circuit breaker that supplies power to the junction box you are working on (fig 3).
- For screw-in type fuses, unscrew the fuse that supplies power to the junction box you are working on (fig 4).



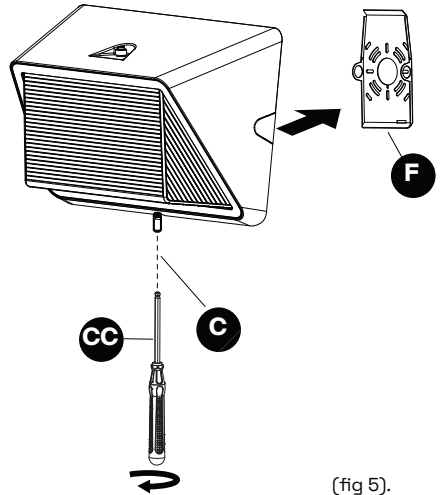
INSTALLATION (CONTINUED)

2 REMOVE THE MOUNTING PLATE

- Loosen the mounting plate tightening screw (C) using a hex head screwdriver (CC) and remove the mounting plate (F) from the fixture. (fig.5)



NOTE: The mounting plate tightening screw (B) comes pre-installed on the light fixture. The tightening screw should not be completely removed.

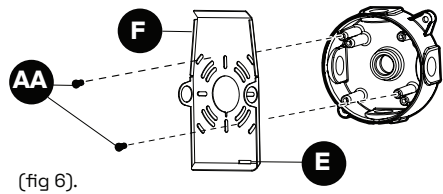


(fig 5).

3 INSTALLING THE MOUNTING PLATE

FOR MOUNTING TO A JUNCTION BOX

- Route the junction box wires through the large center hole in the mounting plate (F).
- Align the holes on the mounting plate (F) with the holes on your junction box. Use two #8 screws (AA), depending on the size of the holes in your junction box, to attach the mounting plate (F) to your junction box. (fig.6)



(fig 6).

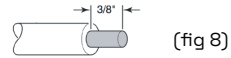


NOTE: Use the leveling bubble (E) inside the mounting plate (F) to adjust mounting for a level install.

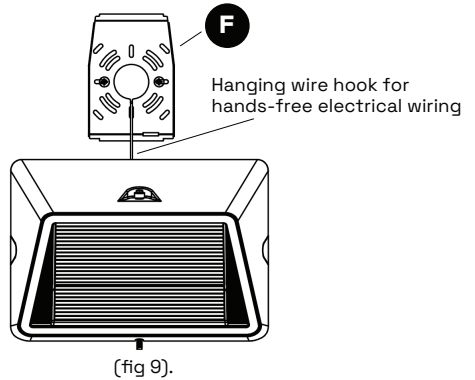
INSTALLATION (CONTINUED)

4 ELECTRICAL CONNECTIONS

- If necessary, strip $\frac{3}{8}$ " of insulation from junction box and lighting fixture wires (fig 8).



- Affix the fixture hands-free hanging wire hook (the metal cable found on the back of the fixture) to the small U-Shaped slot located on the bottom of the mounting plate (F) (fig 9). This hanging wire allows the fixture to hang place while freeing both hands for your electrical connections.



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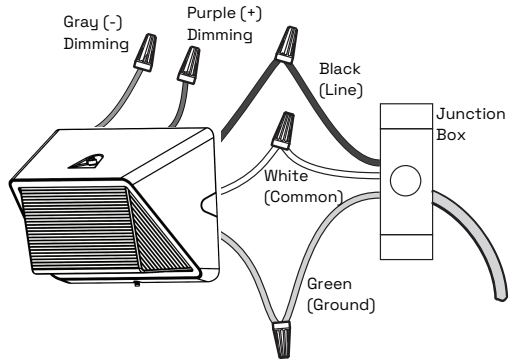


INSTALLATION (CONTINUED)

FOR Non-Dimming Electrical Wiring

(Follow these steps when NOT wiring to a 0-10V dimmer)

- Connect lighting fixture black wire to junction box black wire (line), lighting fixture white wire to junction box white wire (common), and the lighting fixture green wire to the junction box ground wire (fig 11).
- For the purple and gray fixture wires either leave the wires unstripped or individually terminate fixture's purple and gray wires with wire nuts to prevent shorting (fig 11).



Non-Dimming Wiring Diagram (fig 11).
Follow this diagram when NOT wiring to a 0-10V dimmer



TIP: Hold stripped ends near each other and align any frayed strands (do not twist wires). Push the wires into wire nut (BB) and use your fingers to twist the wire nut clockwise until tight. Check for tightness by pulling wires.

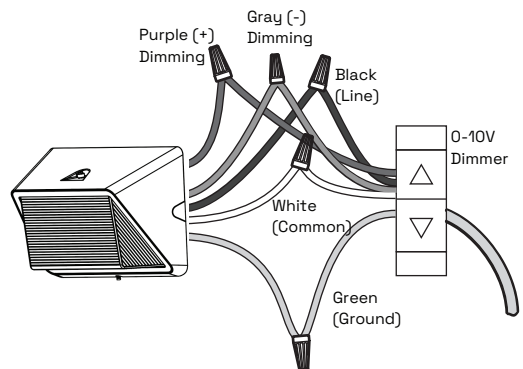


NOTICE: Leave Purple & Gray wires terminated & separated when NOT connecting to a 0-10V dimmer. DO NOT connect the purple and gray wires to any other wire unless wiring to a 0-10V dimmer.

FOR Electrical Wiring TO 0-10V DIMMER

(Follow these steps when wiring to a 0-10V dimmer)

- Connect lighting fixture black wire to junction box black wire (line), lighting fixture white wire to junction box white wire (common), and the lighting fixture green wire to the junction box ground wire.
- For dimming, when connecting to a 0-10V dimmer, connect the lighting fixture purple wire to the dimmer switch purple wire (+ DIM) and the lighting fixture gray wire to the dimmer switch gray wire (- DIM). (fig 12)

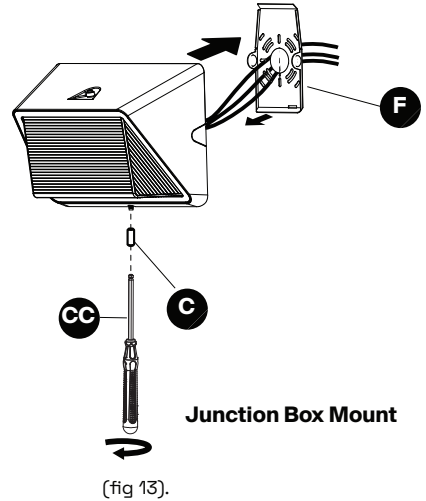


Dimming Wiring Diagram (fig 12)
Follow this diagram when wiring to a 0-10V dimmer

INSTALLATION (CONTINUED)

5 MOUNTING THE LIGHT FIXTURE

- Once electrical connections are complete, push wires and connections into the junction box and hang the fixture by attaching the back of the fixture to the mounting plate (F)
- Tighten the one mounting plate tightening screw (C) to secure fixture to the mounting plate (F). (fig. 13)



6 CAULKING AROUND THE LIGHT FIXTURE

- Caulk around the back face of the light fixture shown in fig 14 with silicone sealant (not included).

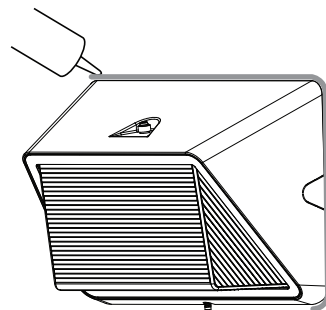


NOTICE: Failure to properly caulk around the back face of the light fixture and mounting surface could lead to water damage and is not covered under warranty.



NOTE: When attaching this light fixture to an extruded surface mount junction box, caulk between the junction box and the mounting plate.

Surface Conduit Mount (Non-Dimming Wiring Diagram)



(fig 14).

(0-10V Dimming Wiring Diagram)

OPERATION

SELECTING DUSK-TO-DAWN OR SWITCH-ACTIVATED CONTROL

OPTION 1: DUSK-TO-DAWN OPERATION

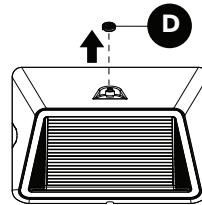
Dusk-to-dawn operation enables the light fixture to automatically turn ON when dark outside and turn OFF when the sun rises, thus saving you energy.

- To enable dusk-to-dawn operation, remove the black opaque cap cover (D) installed on the fixture. Note: Ensure the photocell is unobstructed. (fig 15)
- Ensure the switch powering the outlet connected to the light fixture is turned to the ON position and leave it ON at all times to enable dusk-to-dawn functionality to operate automatically.

**AUTOMATIC
NIGHTTIME ON**



DAYTIME OFF



(fig 15).



TIP: To test if the light fixture and photocell work properly, run power to the fixture and cover the photocell to turn fixture ON. Shine a light into the photocell to see if fixture turns OFF.

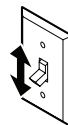


NOTE: If photocell is located in an area under heavy shade, the photocell may not detect enough light and may turn the light fixture on.

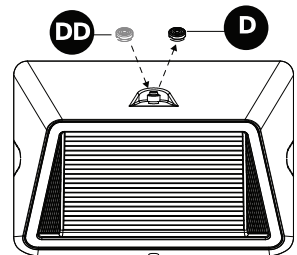
OPTION 2: SWITCH CONTROLLED

Switch controlled operation enables the light fixture to turn ON and OFF by flipping a switch that controls the electricity to the outlet powering the fixture. The light fixture will not turn ON and OFF automatically, but is manually controlled.

- To enable switch activated operation leave the black cap cover (D) on the photocell. (fig 16)



Place clear cover cap over photocell



(fig 16).

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TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
LIGHT DOES NOT TURN ON	No power to the fixture	Check if circuit breaker is tripped Confirm wall switch is ON Verify wiring to fixture is correct (turn power off to fixture beforehand)
	Fixture is sensing daylight	Cover photocell. Wait several seconds until fixture turns ON.
LIGHT CYCLES ON AND OFF CONTINUOUSLY	Photocell light sensor is sensing reflected light	Relocate light fixture to a location where there is no reflected light. OR place the black cap cover over the photocell and use the wall switch to turn the light fixture ON and OFF.
LIGHT FLICKERS	The light fixture is wired through an unsuitable dimmer	Replace the dimmer with a 0-10V dimming switch or a standard ON/OFF wall switch.
LIGHT STAYS ON	Photocell is in a shaded area	Shine a flashlight into the photocell and wait a couple minutes. If the light turns OFF, the fixture should be moved to a location with enough light in the daylight hours for the photocell to work. OR place the optional opaque cover over the photocell and use the wall switch to turn the light ON and OFF.
	Photocell is faulty	If the light does not turn off when a flashlight is shone on the photocell for a few minutes, then the photocell may be faulty. Please contact customer service.



NOTE: Photocell may have a few minutes delay during troubleshooting. When testing, shine a light and/or cover the photocell and allow a few minutes for fixture to function properly.