

INSTRUCTIONS

WPX™ FIELD-ADJUSTABLE WALL PACK INSTALLATION

RAB®

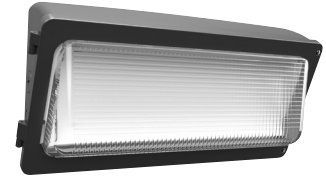
RAB Lighting is committed to creating high-quality, affordable, well-designed and energy-efficient LED lighting and controls that make it easy for electricians to install and end users to save energy. We'd love to hear your comments. Please call the Marketing Department at 888-RAB-1000 or email: marketing@rablighting.com



30/20/15W



80/60/40W



130/100/65W

IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

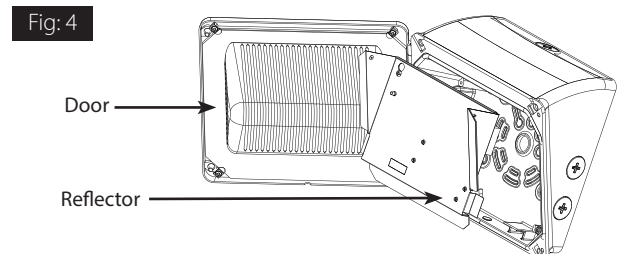
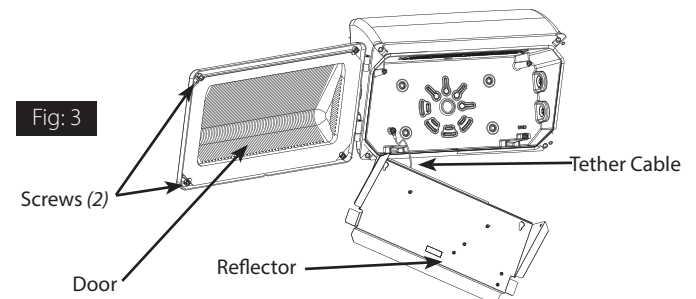
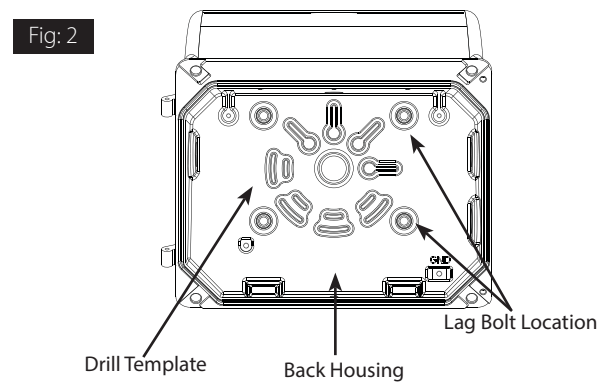
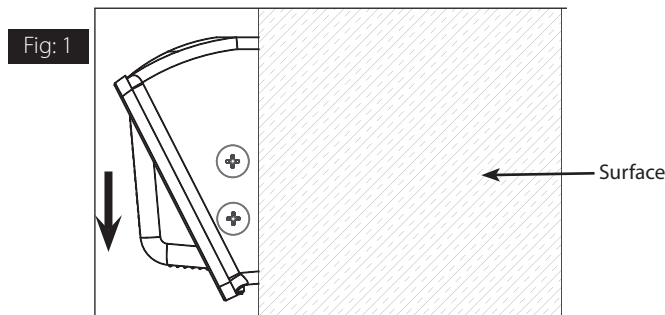
RAB fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

WARNING: Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.

CAUTION: For proper weatherproof function all gaskets must be seated properly and all screws inserted and tightened firmly. Apply weatherproof silicone sealant between mounting surface and back housing. This is especially important with an uneven wall surface. Silicone all plugs and unused conduit entries.

MOUNTING FIXTURE TO SURFACE

1. Fixture should not be recessed. Mount Fixture to surface with Lens facing down as shown in Fig. 1.
2. Use the Drill Template on the inside Back Housing surface to match most standard junction boxes or utilize Lag Bolt Locations (4) as shown in Fig. 2 to mount the fixture to surface.
3. Open fixture Door by loosening Screws (2) and remove Reflector by loosening Screws (2). Reflector will hang by pre-installed Tether Cable as shown in Fig. 3.
4. Prepare the housing for use by drilling out the appropriate desired mounting hole pattern inside of the Back Housing (Fig. 1).
5. Line up the housing in the desired location and mount securely.
6. Make electrical connections as show in wiring diagram (Fig. 7). Use approved wiring connectors and appropriate wiring method and wire to local NEC codes. Be careful not to pinch the wires
7. Re-install the Reflector and secure with Screws (2) back into it's original position as shown in Fig. 4 and re-install the fixture Door, secure with (2) Screws.



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FIELD ADJUSTMENT

Photocell Operation:

This product is equipped with a photocell. **Photocell factory setting is set to the "OFF" position.** Should you wish to enable the Photocell "ON" feature slide the center switch to the "ON" position (Fig 6). ***If the Photocell is set to the "ON" position and it is daylight it may take up to 60-seconds for the light to turn off.***

Color Temperature (CCT) Selection:

This product is equipped with 5000K, 4000K or 3000K CCT **Color Temperature** selection. For maximum light output use the 4000K **Color Temperature (CCT)**.

Power (%) Selection:

This product is equipped with 50%, 75% and 100% power output selection.

Follow instructions to change **Photocell ON/OFF** operation, **Color Temperature (CCT)** and/or **Power (%)** from factory settings by removing **Clear Threaded Plug** (Fig. 5) on side of housing.

Factory Settings: 100% Power, 4000K CCT, Photocell/OFF

1. Locate the **Selector Switches** on side of housing as shown in Fig. 6.
2. Select **Color Temperature (CCT)**, **Power (%)** and/or **Photocell ON/OFF** function by sliding the respective switch to the desired value (Fig. 6). Replace the **Clear Threaded Plug**.

Fig: 5

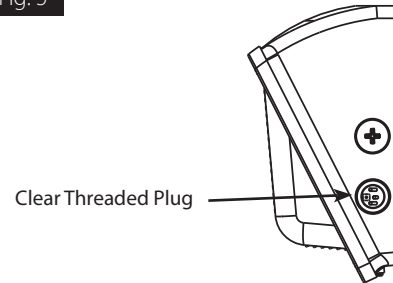
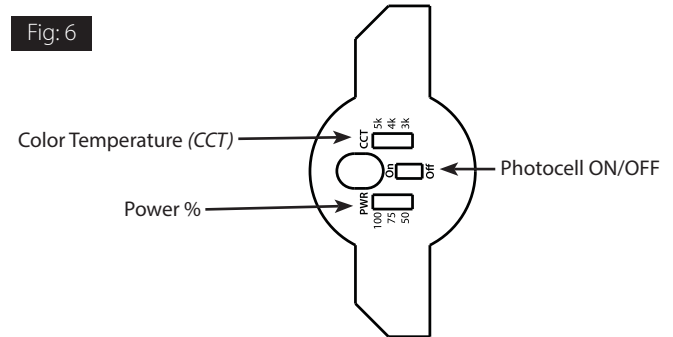


Fig: 6



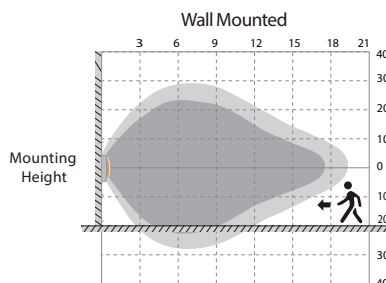
MVS MODELS (Internal)

(optional remote sold separately for custom settings, CAT# MSR1).

Factory Settings:

- Brightness: 100%
- Sensitivity: 100%
- Hold Time: 20 Minutes
- Stand-by dimming level: 20%
- Daylight: Disabled
- Stand-by time: 1 Minute

Detection Coverage



Highest mounting height is 20ft

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

Well Detected Area Possibly Detected Area

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0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V through 277V, 50 or 60 Hz. Units ordered with /480 suffix are 480V, 60Hz **ONLY**. For 0-10V dimming follow the wiring directions as shown in Fig. 7.

1. Connect the black fixture lead to the **LINE** supply lead.
2. Connect the white fixture lead to the **COMMON** supply lead.
3. Connect the **GROUND** wire from fixture to supply ground.
4. Connect the purple fixture lead to the (V+) DIM lead.
5. Connect the pink fixture lead to the (V-) DIM lead.
6. Cap the yellow fixture lead if present. Do NOT connect.

NOTE: Do not connect DIM V+ (purple)/ DIM V- (pink) to line voltage or supply ground.

TROUBLESHOOTING

1. Check that the line voltage at the fixture is correct. Refer to wiring directions.
2. Is the fixture grounded properly?
3. Be sure the photocell, if used, is functioning properly.

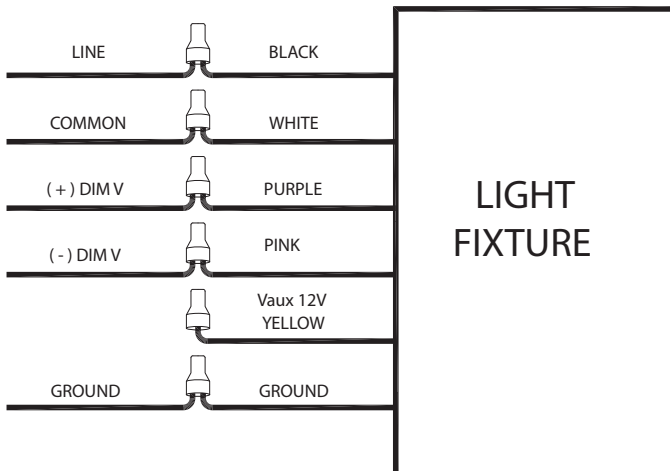
CLEANING & MAINTENANCE

CAUTION: Be sure fixture temperature is cool enough to touch. Do not clean or maintain while fixture is energized.

1. Clean lens with non-abrasive glass cleaning solution.
2. Do not open the fixture to clean the LED. Do not touch the LED.

Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.

Fig: 7



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BATTERY BACKUP MODELS

WIRING *(WPX2, WPX3 Models only)*

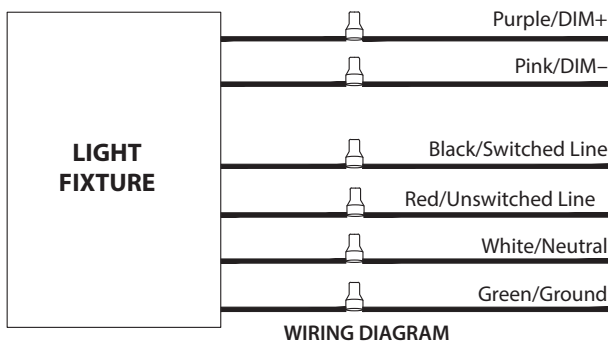
CAUTION: FOR BATTERY BACKUP FIXTURE. Voltage can be present in **BATTERY**. To prevent high voltage from being present on output leads, Inverter connector must be open. Do not join **BATTERY** connector until installation is complete.

NOTE: Make sure that the necessary branch circuit wiring is available. An **UNSWITCHED AC** source of power is required. The emergency driver must be fed from the same branch circuit as the LED driver. Reference Fig. 8 for wiring diagram.

CAUTION: Do not use any supply voltage other than 120-277V, 50/60Hz.

1. Connect **UNSWITCHED HOT** fixture lead to **HOT AC** supply line.
2. If using an **UNSWITCHED** circuit, connect **UNSWITCHED** and **SWITCHED** lines together.
3. If using a **SWITCHED** circuit, connect **SWITCHED HOT** lead to the switch.
4. For 0-10V dimming, connect **DIM (+)** purple and **DIM (-)** pink leads to 0-10V dimming connection.
5. All unused leads must be capped and insulated.
6. After installation is complete connect the battery as shown in Fig. 8.
7. When power is on, the fixture should be on and the **CHARGING INDICATOR LIGHT** should illuminate to indicate the battery is charging.
8. Once the **BATTERY** has charged for at least one hour, a short duration test may be performed by pressing the **Test Button** as shown in Fig. 9.
9. After the battery has charged for 24 hours, a long duration test can be performed by disconnecting power to the fixture.

FIG. 8



OPERATION

1. When AC power is applied the charging indicator light is illuminated indicating that the **BATTERY** is being charged.
2. When power fails the standby power automatically switches to emergency power (*internal battery*) operating at reduced illumination.
3. When AC power is restored the emergency driver automatically returns to charging mode.

MAINTENANCE

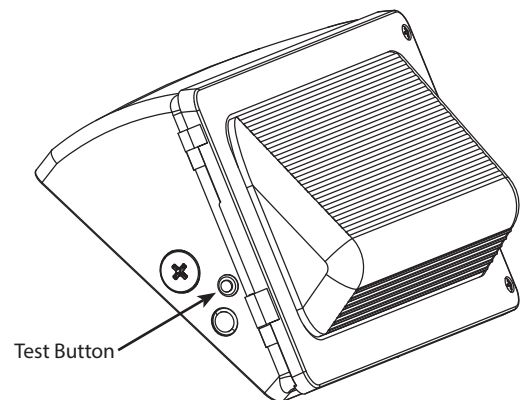
Although no routine maintenance is required to keep the emergency driver functional, it should be checked periodically to ensure that it is working. The following schedule is recommended:

1. Visually inspect the charging indicator light monthly. It should be illuminated.
2. Test the emergency operation of the fixture at 30-day intervals for a minimum of 30 seconds.
3. Conduct a 90-minute discharge test once a year. Fixture would operate at reduced illumination for a minimum of 90 minutes.

TROUBLESHOOTING

1. Be sure the fixture is grounded properly.
2. If the charging indicator light does not illuminate after pressing and releasing the **Test Button** (Fig. 9), check power and check if battery is connected properly.

FIG. 9



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WPX1-2-3 - IN-0124

P-100824

Easy Answers

rablighting.com
Visit our website for product info

Tech Help Line
Call our experts: 888 722-1000

e-mail
Answered promptly - sales@rablighting.com

Free Lighting Layouts
Answered online or by request

RAB WARRANTY: RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.