

# INSTRUCTIONS

## PORTO® GARAGE LIGHT FIELD-ADJUSTABLE INSTALLATION



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](mailto:marketing@rablighting.com)



PRT55R



PRT55S



PRT80R/PRT110R



PRT80S/PRT110S

### 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 around the edge of the ceiling mounting box and/or junction box. This is especially important with an uneven ceiling surface. Silicone all plugs and unused conduit entries.

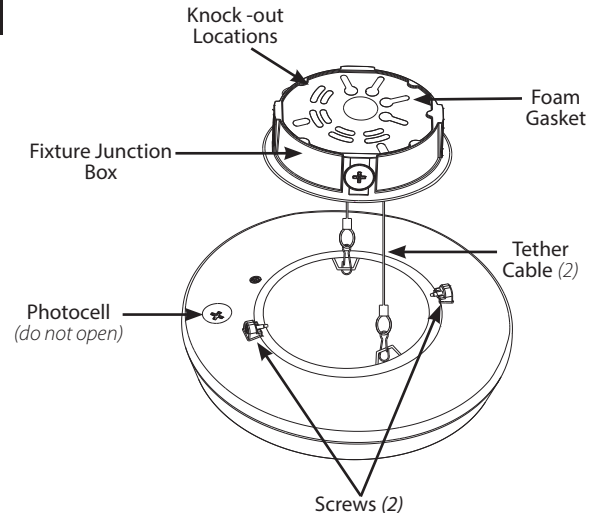
**Suitable for wet locations. Covered ceiling mount only. Min. 90° supply conductors.**

### CEILING MOUNTING

The fixture is suitable for outdoor applications in wet locations.

1. Loosen **Screws (2)** to free **Junction Box** from **Fixture Housing**.
2. Mount **Fixture Junction Box** with **Foam Gasket** to ceiling using **Knock Out Locations** as needed (*Fig. 1*). Use the appropriate mounting hardware for the mounting surface. May alternately be mounted to a recessed junction box.
3. For hands-free wiring, support the fixture with (2) **Tether Cables** as shown in *Fig. 1*. Connect supply wires to **Fixture**. Power supply can enter from top of fixture or 1/2" Knockouts on side of fixture junction box. Use appropriate UL approved wire connectors as required by code to complete wiring as shown in *Fig. 4*.
4. Close fixture and tighten **Screws (2)**. Use caution not to pinch wires. **DO NOT OVER-TIGHTEN SCREWS.**
5. If mounting surface is irregular, use sealer to seal any gaps around **Junction Box**.

Fig: 1

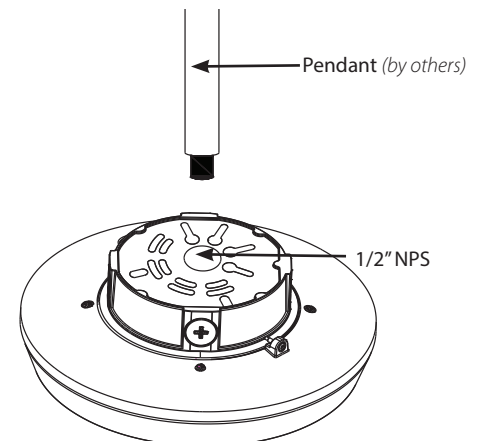


### PENDANT MOUNTING

Fixture can be mounted to a 1/2" NPT Pendant (*by others*).

1. Feed housing wires through **Pendant** and thread the **Pendant** onto the housing. Apply thread sealer or Teflon® to the **Pendant** threads to prevent moisture from getting into the housing.
2. Make wiring connections with UL approved connectors at the junction box as shown in *Fig. 4*.

Fig: 2



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### FIELD ADJUSTMENT

**Caution: Turn power off before changing any settings.**

#### Photocell Operation:

This product is equipped with a photocell. Should you wish to disable this feature, slide the switch to the "Off" position. In addition to the standard photocell features, the fixture will not react to other light sources such as daylight. The fixture will not turn off. **Allow 15 seconds for light to turn on/off when photocell is in "ON" position.**

#### Color Temperature (CCT) Selection:

This product is equipped with 3500, 4000 and 5000K CCT color temperature selection. For maximum light output use the 4000K Color Temperature.

#### Power (Wattage) Selection:

This product is equipped with Power (W) output selection.

PRT55 55/42/30W

PRT80 80/70/60W

PRT110 110/95/80W

Follow instructions below to change Photocell ON/OFF function, Color Temperature (CCT) and/or Power (W) from factory settings.

#### Factory Settings:

**4000K CCT, Photocell/OFF**

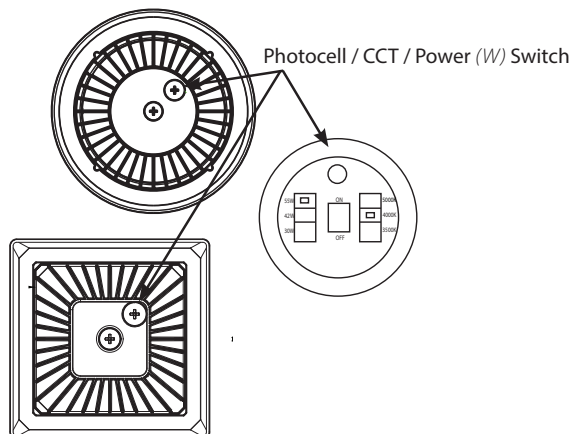
PRT55 55W

PRT80 80W

PRT110 110W

1. Locate the selector switch on underside of housing as shown in Fig. 3 and remove plug.
2. Select **Color Temperature (CCT)**, **Power (W)** and or **Photocell** On/Off function by sliding the respective switch to the desired value (Fig. 3).
3. Re-Install Plug.

Fig: 3



### MVS /PIR MODELS (EXTERNAL)

(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

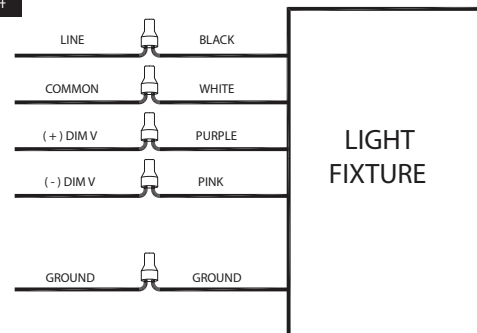
### 0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V through 277V, 50 or 60 Hz. **Units ordered with /480 suffix are 480V ONLY.** For 0-10V dimming, follow the wiring directions as shown in Fig. 4.

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.*

Fig: 4



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### TROUBLESHOOTING

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

### CLEANING & MAINTENANCE

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

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

***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.*



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#### Easy Answers

[rablighting.com](http://rablighting.com)  
Visit our website for product info

**Tech Help Line**  
Call our experts: 888 722-1000

**e-mail**  
Answered promptly - [sales@rablighting.com](mailto:sales@rablighting.com)

**Free Lighting Layouts**  
Answered online or by request

PORTO-IN - 1124

**RAB WARRANTY:** RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty) **PATENT:** Patent information can be found at [rablighting.com/ip](http://rablighting.com/ip)

P-101470

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# BATTERY BACKUP MODELS

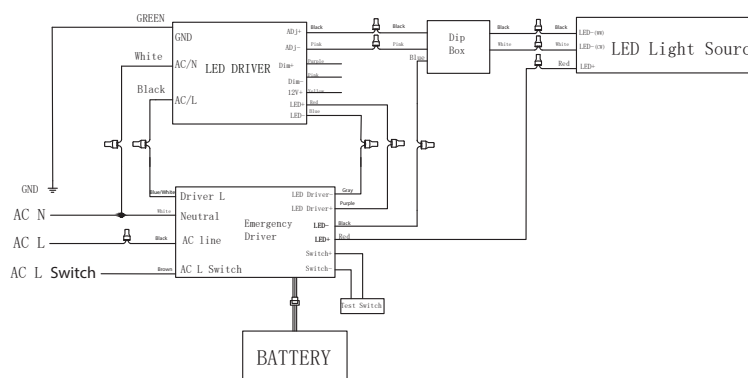
## WIRING

**CAUTION: FOR BATTERY BACKUP FIXTURE.** Voltage can be present in **BATTERY**. To prevent high voltage from being present on the 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. 5 for wiring diagram.

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

Fig. 5



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. When power is on, the fixture should be **ON** and the **CHARGING INDICATOR LIGHT** should illuminate to indicate the battery is charging.
7. Once the **BATTERY** has charged for at least one hour a short duration test may be performed by pressing the **Test Button** (Fig. 6).
8. After the battery has charged for 24 hours a long duration test can be performed by shutting power to the fixture.

## 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 will operate at reduced illumination for a minimum of 90 minutes.

## OPERATION

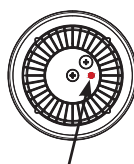
1. When AC power is applied the charging indicator light is illuminated indicating that the **BATTERY** is being charged.
2. When power fails the standby power automatically switches to emergency power (*internal battery*) operating at reduced illumination. The emergency driver will operate in standby power for a minimum of 90 minutes.
3. When AC power is restored the emergency driver automatically returns to charging mode.

## TROUBLESHOOTING

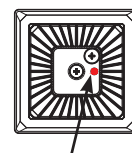
1. Is the fixture grounded properly?
2. If the charging indicator light does not illuminate after pressing the **Test Button** (Fig. 6), check if battery is connected properly.

TEST BUTTON

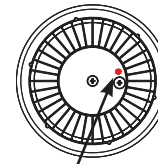
Fig: 6



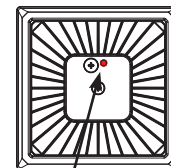
PRT55R



PRT55S



PRT80R/PRT110R



PRT80R/PRT110R