# INSTRUCTIONS
## FIELD-ADJUSTABLE WL22™ 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

** DON'T TOSS IT—RECYCLE IT! MAKE THE SUSTAINABLE CHOICE BY RECYCLING THIS FIXTURE AT END OF LIFE WITH A LICENSED RECYCLING PROVIDER. **


WL22-S


WL22-M


WL22-L

## 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 fixture back box where it meets the mounting surface. This is especially important with an uneven surface. Silicone all plugs and unused conduit entries.

Min. 90°C Supply Conductors

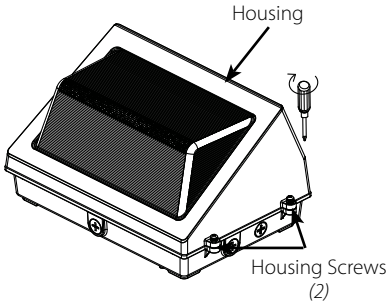
## INSTALLATION

Suitable for wet locations. The fixture mounts to a wall or to a junction box with supply wires entering through the back or through a side conduit opening.

1. Turn power off at the circuit.

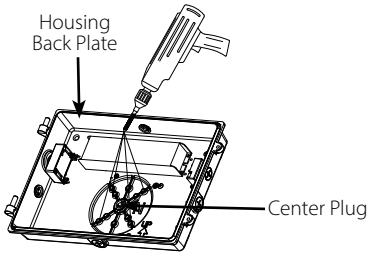
2. Loosen *(2)* **Housing Screws** on the sides of the fixture housing, *(Fig. 1)*.

Fig. 1



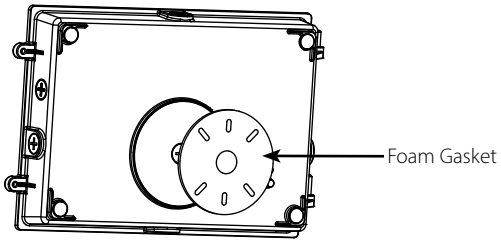

3. Remove the **Housing Back Plate**. Unscrew the center **Plug**, then drill out the mounting holes you need in the **Housing Back Pate** *(Fig. 2)*.

Fig. 2




4. Install the **Foam Gasket** *(provided)* onto the back *(wall side)* of the **Housing Back Plate** *(Fig. 3)*.

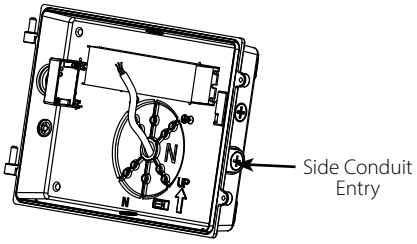
Fig. 3




5. Bring supply wires into the fixture:

- Back entry *(wall or junction box)*: Feed the supply wires through the **Center Plug** opening in the **Housing Back Plate** *(Fig. 4)*.

Fig. 4




- Side entry *(surface conduit)*: Follow **Side Conduit Entry** below, then continue with step 6.

# INSTRUCTIONS

## FIELD-ADJUSTABLE WL22™ INSTALLATION

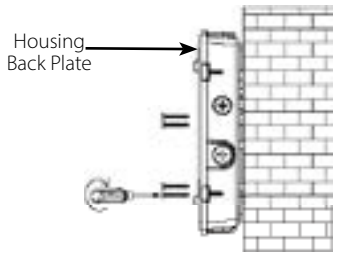
RAB Lighting is committed to creating high-quality, affordable, well-designed and energy-efficient LED lighting and controls that make it easy for electricians to install and end users to save energy. We'd love to hear your comments. Please call the Marketing Department at 888-RAB-1000 or email: marketing@rablighting.com

** DON'T TOSS IT—RECYCLE IT! MAKE THE SUSTAINABLE CHOICE BY RECYCLING THIS FIXTURE AT END OF LIFE WITH A LICENSED RECYCLING PROVIDER. **

## INSTALLATION *(Cont'd)*

6. Secure the **Housing Back Plate** to the wall or junction box with appropriate hardware *(by others)*, Fig. 5.

Fig. 5



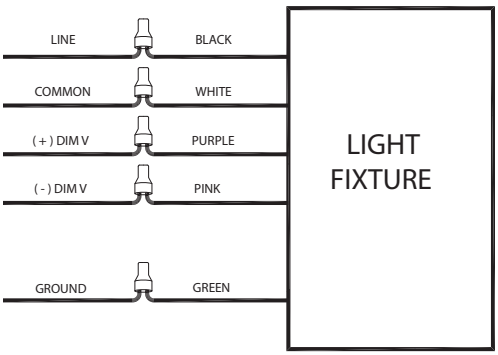

## 0-10V DIMMABLE WIRING

7. Universal voltage driver permits operation at 120V through 277V, 50 or 60 Hz. 480V suffix *(/480)* are 480V ONLY. For 0-10V dimming, follow the wiring directions as shown in Fig. 6.

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**: *Use UL-certified connectors to complete supply wiring per code. Avoid pinching wires.*

Fig. 6



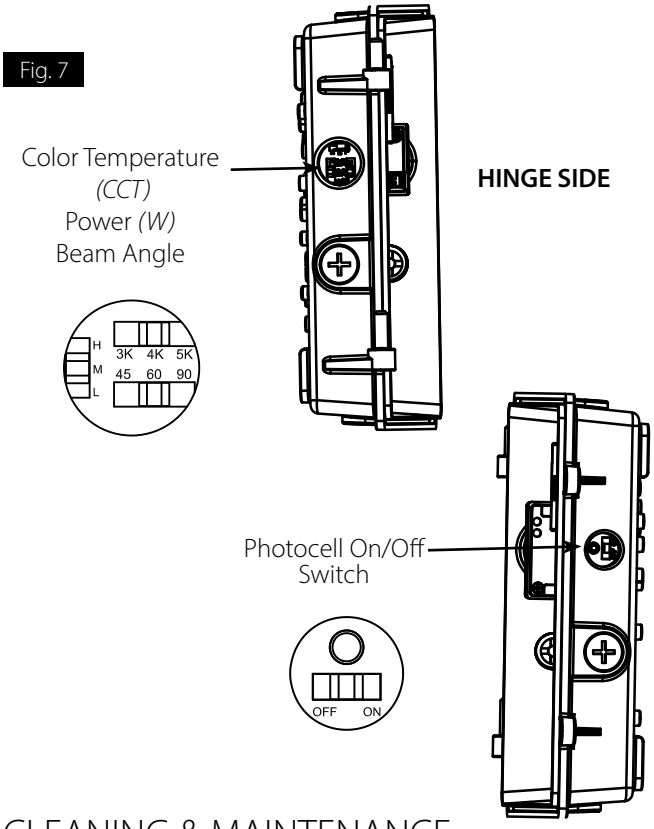

***Note**: Lightcloud Blue models do not require a 0-10V dimming circuit. Wire to constant power, DO NOT wire downstream from any load switching device.*

## FIELD ADJUSTMENT

8. Locate the **Field-Adjustable Switches** on **each side of the** Fixture **Housing Back Plate** as shown in Fig. 7. Set desired **Color Temperature** (*CCT*), **Power** *(W)*, **Beam Angle** and/or **Photocell On/Off** option **t**o the desired setting**.**

Factory Setting: Max Power, 4000K , 90°

Fig. 7




## CLEANING & MAINTENANCE

Wash Lens with warm water and mild non-abrasive detergent: rinse and wipe dry.
**CAUTION**: Fixture must be cool to the touch before cleaning.
**WARNING**: Do not clean or service while energized. Disconnect power first. **WARNING**: Polycarbonate is damaged by some cleaning chemicals. See list of damaging chemicals on productinformation web page for chemical list: rablighting.com/downloads/resources/damaging_chemical_list/damaging-chemical-list.pdf

## TROUBLESHOOTING

1. Check that the line voltage at the fixture is correct. Refer to wiring directions.
2. Is the fixture grounded properly?

***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.*

# INSTRUCTIONS

## FIELD-ADJUSTABLE WL22™ 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

** DON'T TOSS IT—RECYCLE IT! MAKE THE SUSTAINABLE CHOICE BY RECYCLING THIS FIXTURE AT END OF LIFE WITH A LICENSED RECYCLING PROVIDER. **

# LIGHTCLOUD BLUE MODELS

## LIGHTCLOUD BLUE

Lightcloud Blue is RAB's wireless lighting control. Fixtures, sensors, and switches talk to each other and to your phone. Set up an area in minutes with the Lightcloud Blue app, and keep using Lightcloud Blue switches and sensors for everyday control. Add a Nano *(sold separately)* to control your lights from anywhere. Learn more at rablighting.com/lcb.

ALL FIXTURES MUST BE WIRED TO CONSTANT POWER *(HOT FEED)* FOR WIRELESS COMMUNICATION.

## CREATE A RELIABLE NETWORK

- Keep devices within about 60 ft of each other so they can communicate. See the product specification sheet.
- Brick, concrete, steel construction, and heavy trees or shrubs can block the signal. You may need additional Lightcloud Blue devices to reach around them. Contact Lightcloud Support for help.
- Keep devices close together and avoid long chains of devices.

## DOWNLOAD THE MOBILE APP

Lightcloud Blue mobile app is available for IOS and Android mobile phones and tablets. The mobile app is required to commission and configure the Lightcloud Blue fixtures and devices.

Note: The mobile device is NOT part of the Lightcloud Blue network and must be within ≤30 ft from at least one device paired to the Site

IOS Users

Android Users

## GETTING STARTED

1. Confirm your device is powered On.
2. Launch the App and create an account or login.
3. Tap the "add device" icon in the app to start connecting devices.
4. Select the fixture in the app and move it to an Area.
5. You are all set!

## RESET TO FACTORY SETTINGS

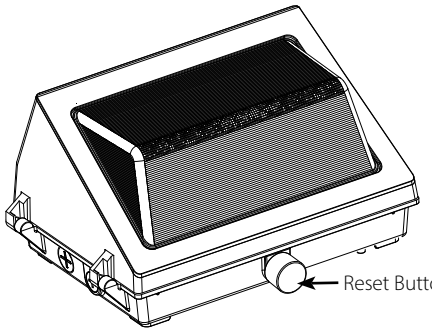
If your Lightcloud Blue fixture is already paired, you can reset it to factory settings by using below methods.

### Method 1: Delete from the App

Open the app and access the device settings for the paired fixture. Confirm the fixture is online (green status bars are visible), then select "Delete from Site."

### Method 2: Manual

Locate the device identification button on the Controller. Press and hold this button for 10s or until the indicator light begins flashing red. If the Controller is attached to a fixture, the fixture will also flash on/off 3x.




## CONFIGURATION

All configuration of Lightcloud Blue products may be performed using the Lightcloud Blue mobile app. For additional startup information, visit rablighting.com/lcb

System overview

Resources

## POWER OUTAGE RECOVERY

If there is a power loss, the Lightcloud Blue light will turn on at last dim level when power is restored. This behavior can be adjusted to last state using Schedules. When using Schedules, be sure to add a NANO/LCB *(sold separately)* to maintain accurate timekeeping after a power loss.

# INSTRUCTIONS

## FIELD-ADJUSTABLE WL22™ 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

** DON'T TOSS IT—RECYCLE IT! MAKE THE SUSTAINABLE CHOICE BY RECYCLING THIS FIXTURE AT END OF LIFE WITH A LICENSED RECYCLING PROVIDER. **

# BATTERY BACKUP MODELS

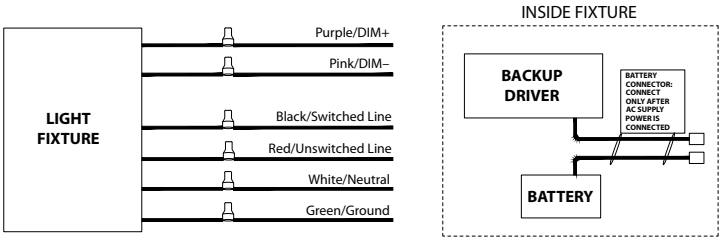
## WIRING

**CAUTION: FOR BATTERY BACKUP FIXTURE,** Voltage can be present in **Battery**. To prevent high voltage from being present on output leads, disconnect the **Battery Backup**. Do not join Battery connector until installation is complete and AC Power is supplied to the Emergency Driver (F*ig. 8)*.

**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** AC fixture lead to the external.
4. For 0-10V dimming, connect **DIM** (+) purple and **DIM** (-) pink leads to 0-10V dimming connection.
5. Connect the Battery.
6. All unused leads must be capped and insulated.
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** *(Fig. 9)*.
9. After the battery has charged for 24 hours, a long duration test can be performed by shutting 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. 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.

## MAINTENANCE

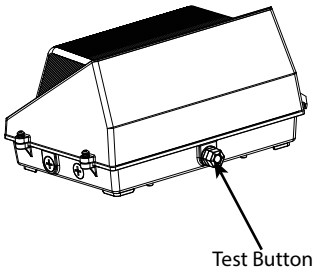
Although no routine maintenance is required to keep the emergency driver functional it should be checked periodically to ensure that it is working. The following schedule is recommended:

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. Is the fixture grounded properly?
2. If the charging indicator light does not illuminate after pressing the **Test Button** *(Fig. 9)* check if battery is connected properly.

FIG. 9







© 2026 RAB LIGHTING Inc.



WL22 - IN - 1126

P-103490


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