

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.

SAFETY INSTRUCTIONS

WARNING: Risk of fire or electric shock. Suitable for damp locations.

WARNING: Do not handle energized fixture when hands are wet, when standing on wet or damp surfaces, or in water.

RECESSED CEILING MOUNTING

The fixture is suitable only for INDOOR RECESSED CEILING application. Above ceiling access required.

1. Firmly bend the pre-installed Grid Clips up and out as shown in Fig. 1.
2. Rotate and slide the Fixture as required to fit through the Tee-Grid Bar and place it as indicated by the directional arrow as shown in Fig. 2. Secure the Fixture to the Tee-Grid Bar.
3. Some Jurisdictions require Support Wires. Support Wires may be installed to support the Fixture to the building structure through the Grid Clip Holes as shown in Fig. 3 (support wires provided by others)
4. Make sure that the orientation of the Splice Box and Access Plate faces an accessible tile to make electrical splices.
5. Loosen Access Plate Screw and remove the Access Plate. Knock out appropriate Conduit Knockouts on the Access Plate to route input conduit. Use appropriate conduit connectors as required by code (Fig. 4).
6. Connect wires as shown in wiring diagram (Fig 6). Push all wires back into the Splice Box. Use appropriate UL-approved wire connectors as required by code to complete wiring. Be careful not to pinch wires. **WARNING: To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.**
7. Replace Access Plate and tighten Access Plate Screw.

Fig. 1

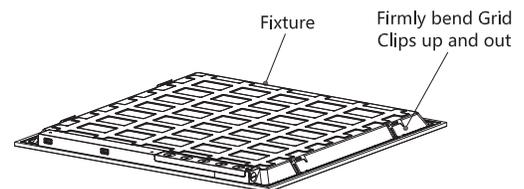


Fig. 2

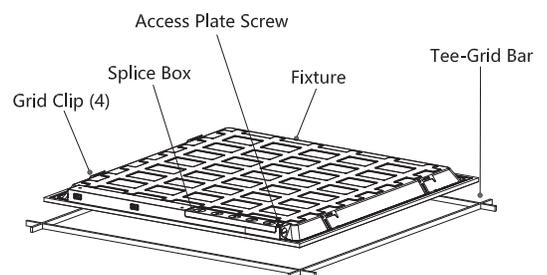


Fig. 3

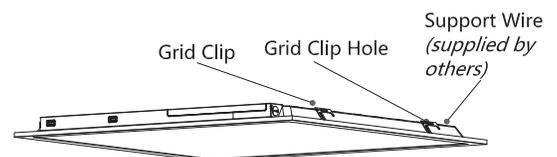
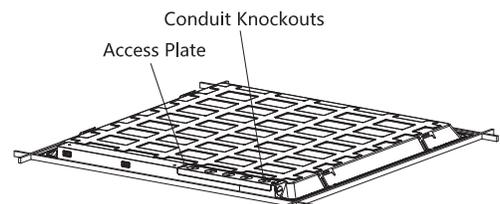


Fig. 4



FIELD ADJUSTMENT

Follow instructions below to change Fixture Power (W) or Color Temperature (CCT) from the factory settings.

Factory Settings:

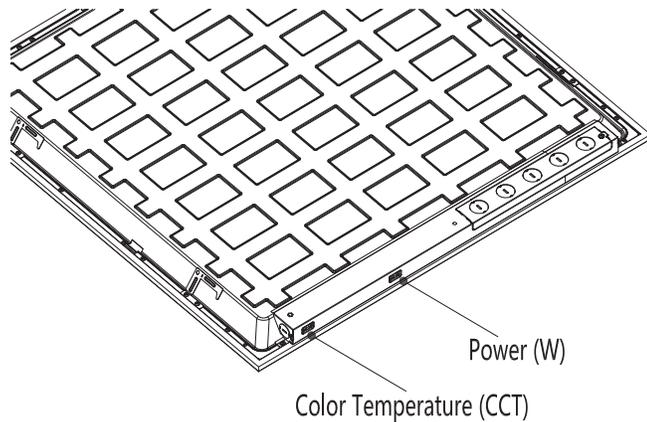
1X4 - 4000K / 30W

2X2 - 4000K / 30W

2X4 - 4000K / 40W

1. Locate the Selector Switches on the Fixture as shown in Fig 5.
2. Select Color Temperature (CCT) and Power (W) by sliding the respective switch to the desired value.

Fig. 5



WIRING INSTRUCTIONS

Universal voltage driver permits operation at 120V through 277V.

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 GREEN 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 .

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

/LCB models do not include DIM V+ (purple) DIM V- (pink) wires.

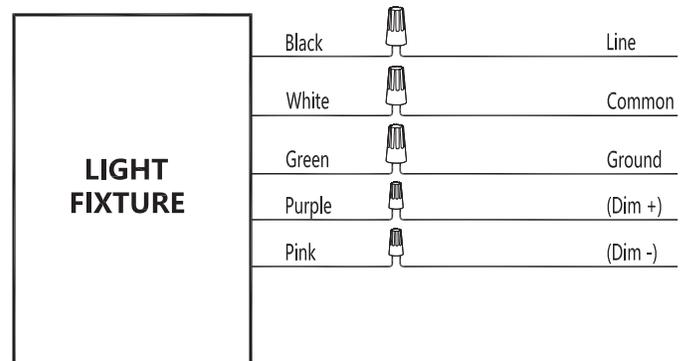


Fig. 6

TROUBLESHOOTING

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

CLEANING & MAINTENANCE

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

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

BATTERY BACKUP MODELS

WIRING

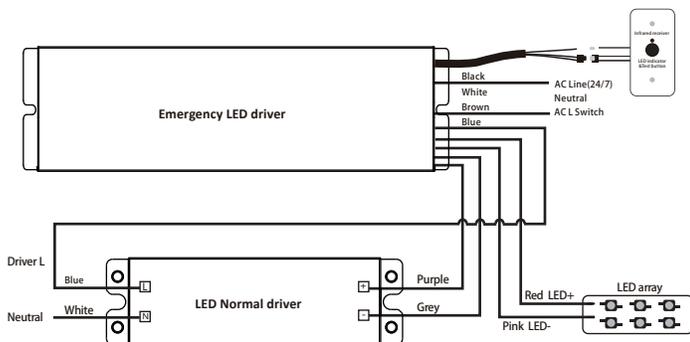
NOTE: Make sure that the necessary branch circuit wiring is available. An UNSWITCHED AC source of power is required. The emergency driver must be fed from the same branch circuit as the LED driver.

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

Battery Test Button is provided with adhesive backing. Align the Test Button to edge of Fixture Frame closest to the lens for easy accessibility as shown in Fig. 8 & 9.

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. 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.
8. After the battery has charged for 24 hours, a long duration test can be performed by shutting power to the fixture.

Fig. 7



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. 8

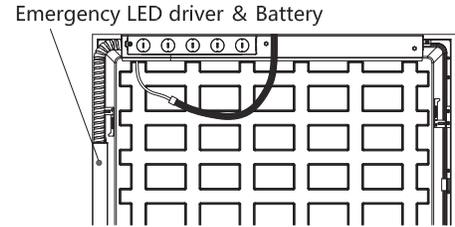
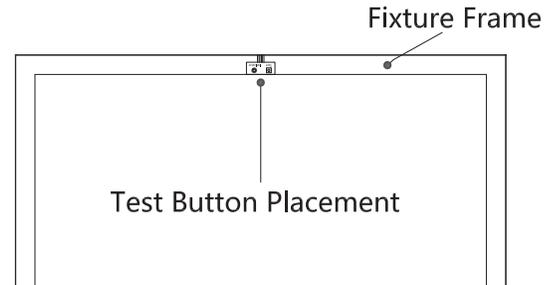


Fig. 9



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, check if battery is connected properly.