

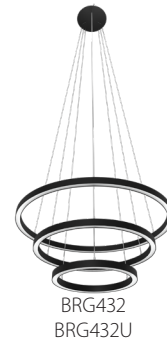
INSTRUCTIONS

FIELD-ADJUSTABLE BOA® RING 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. ****



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.

Risk of fire. Risk of shock.

Suitable for damp location. Min 90° C Supply Conductors. Indoor use only.

Power/Color Temperature should be selected prior to installation. Do NOT switch settings with power on.

FIXTURE INSTALLATION

1. Mounting Hardware, provided (Fig.1).

2. Use screwdriver to remove the Screws on fixture Cover Plate (Fig. 2).

Fig. 1

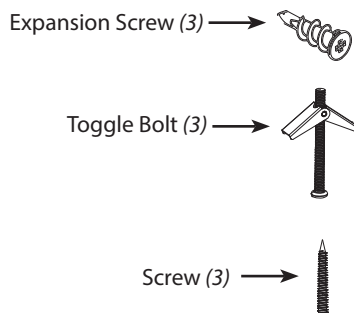
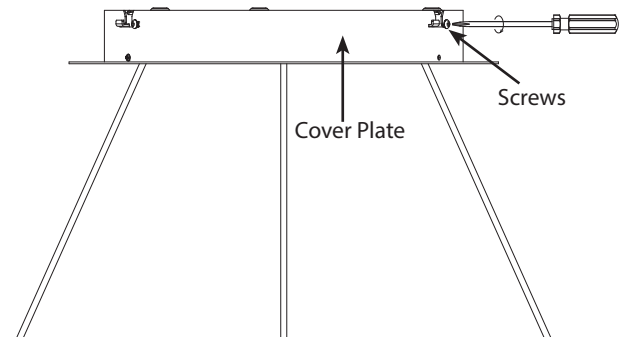


Fig. 2



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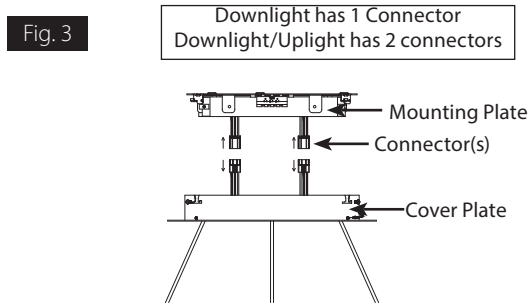
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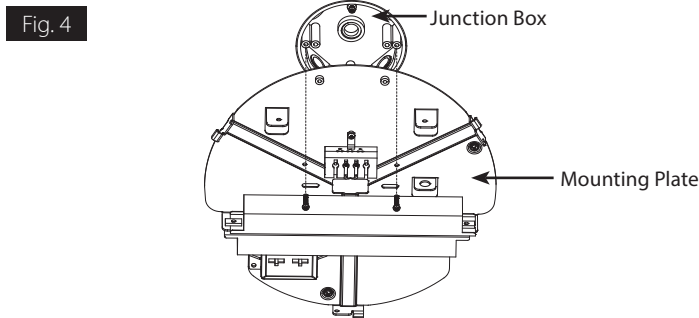
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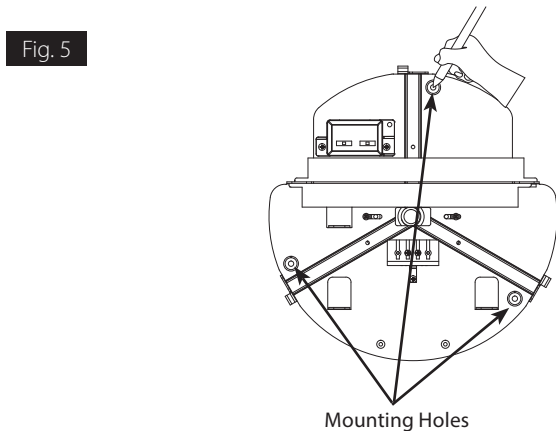
3. Rotate and remove the **Mounting Plate** from the **Cover Plate**, disconnect the **Connector(s)** between the two sections
Note: direct/indirect fixtures have 2 connectors, direct fixtures have only 1 connector, reference Fig 3.



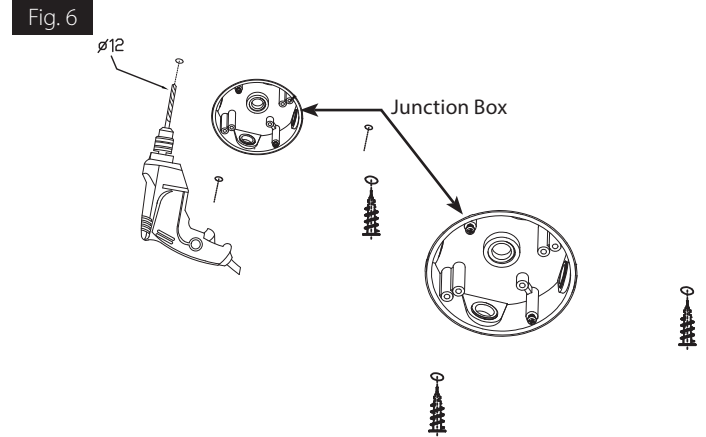
4. Install the **Mounting Plate** to the junction box (*by others*) as shown in Fig. 4.



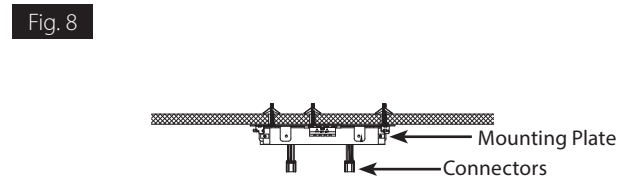
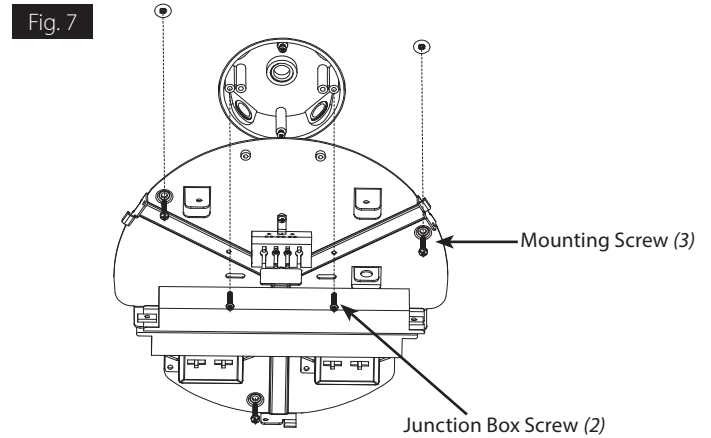
5. Mark the (3) positions where the additional support screws will attach (*Fig. 5*).



6. Remove the **Mounting Plate** from the junction box and prepare the surface for additional mounting hardware as shown in Fig. 6.



7. Install the **Mounting Plate** to the junction box and ceiling surface using the mounting hardware as shown in Fig. 7 & 8.



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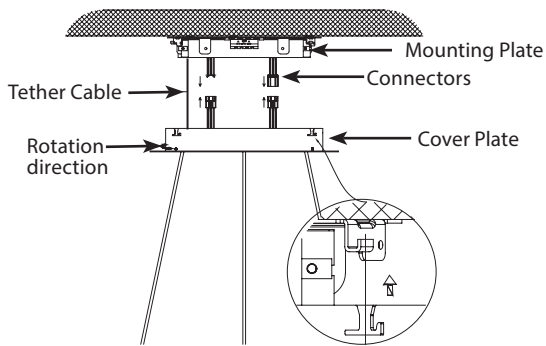
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8. After installing the Mounting Plate to fixture Cover Plate (Fig. 9) attach provided **Tether Cable** and connect the fixture leads to power as shown in wiring diagram (Fig. 14). Use appropriate UL listed wire connectors as required by code to complete wiring. **Warning: to prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. Be careful not to pinch wires.**

Power/Color Temperature should be selected prior to installation. Do NOT switch settings with power on.

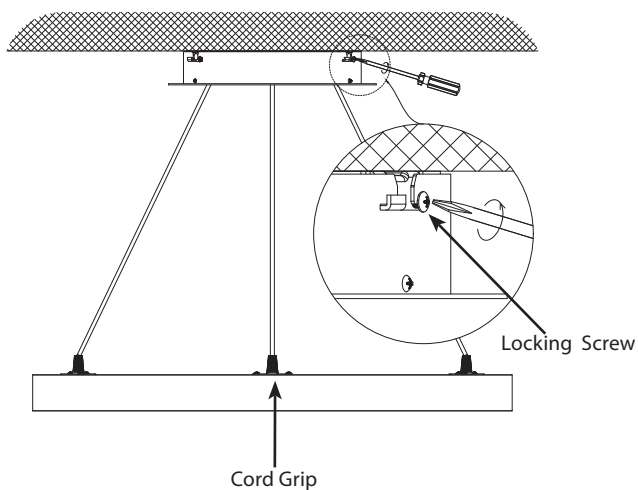
Re-connect Connector(s) between Mounting Plate and Cover Plate as shown below.

Fig. 9



9. Align the position to rotate the **Cover Plate** onto the **Mounting Plate**. Do **NOT** secure **Mounting Plate** to **Cover Plate** with **Locking Screw** at this time, Fig.10.

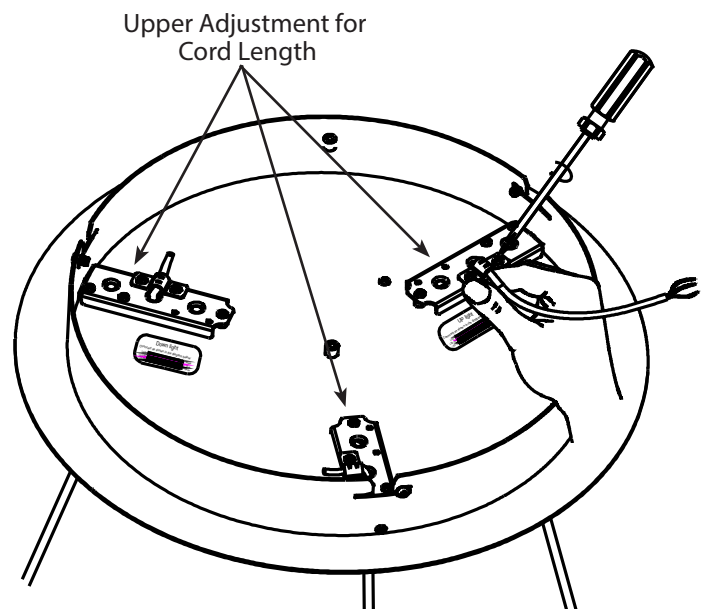
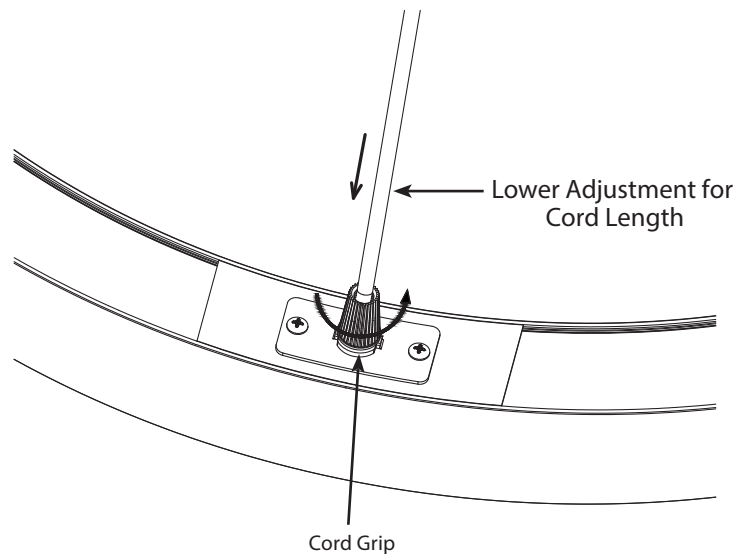
Fig. 10



10. **Suspension Wires** may be adjusted inside the **Cover Plate (Clamp)** or the **Fixture Ring (Cord Grip)** (Fig. 11). After adjusting the **Suspension Wires** to the desired length insert the **Locking Screw** on the **Cover Plate** to secure (Fig. 10).

Note: Fine adjustments to position may be made at the lower cord adjustments.

Fig. 11



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FIELD ADJUSTMENT

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

Factory Settings:

Switch module factory settings:

Direct Light: 3500K, 100% Power

Indirect Light: 3500K, Up/Down 70% / 30% Power

1. Locate the Selector Switches on housing as shown in Fig. 12 and Fig 13.
2. Select **Power (W)** and/or **Color Temperature (CCT)** by sliding the respective switch to the desired setting.

Fig. 12

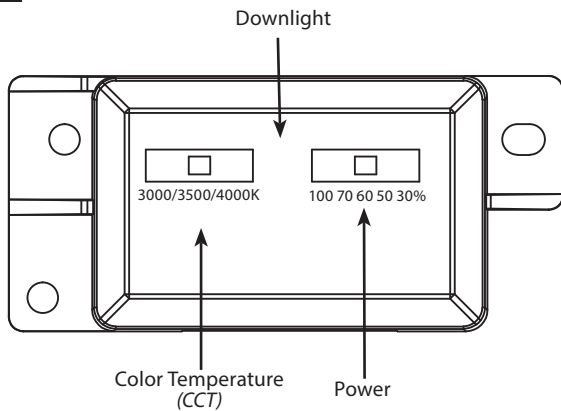
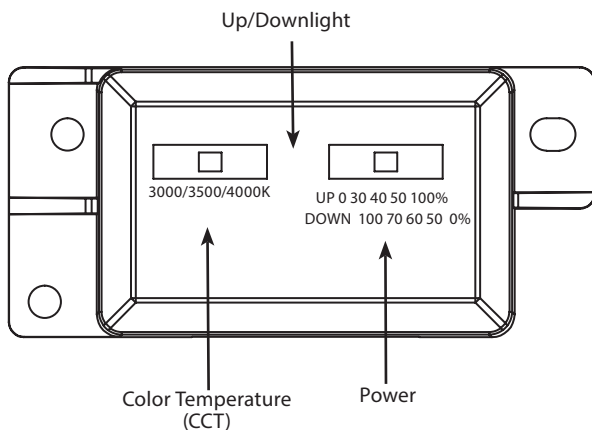


Fig. 13

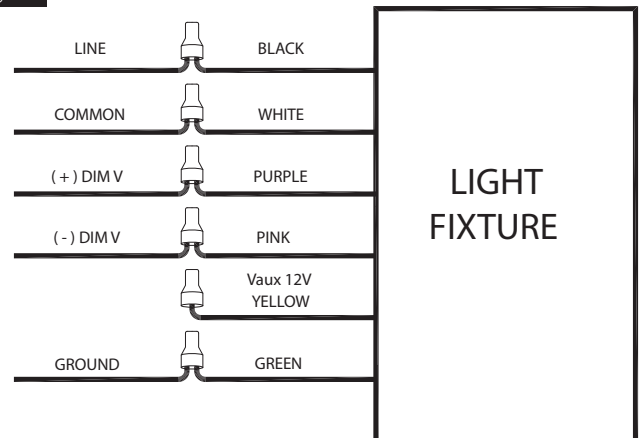


0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V through 277V, 50 or 60 Hz. For 0-10V dimming follow the wiring directions as shown below (Fig. 14).

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. Do NOT connect the GROUND of the dimming fixture to the output.
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.

Fig. 14



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.

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.

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BATTERY BACKUP MODELS

WIRING

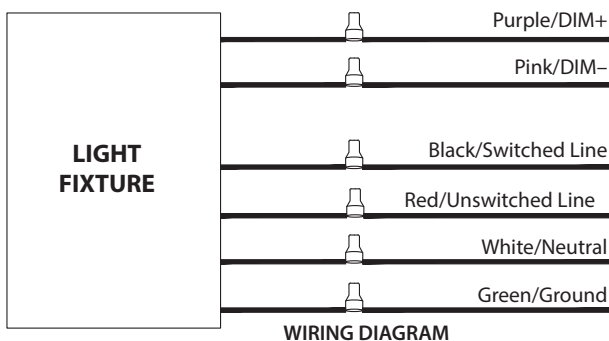
CAUTION: FOR BATTERY BACKUP FIXTURE. Voltage can be present in **BATTERY**. To prevent high voltage from being present on output leads, Inverter connector must be open. Do not join **BATTERY** connector until installation is complete.

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. 15 for wiring diagram.

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

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** as shown in Fig.16.
8. After the battery has charged for 24 hours, a long duration test can be performed by disconnecting power to the fixture.

Fig. 15



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

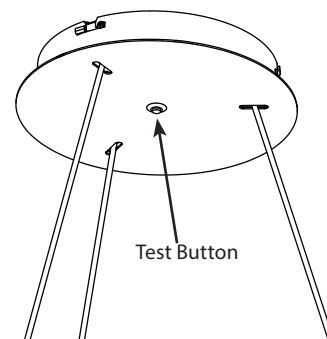
Although no routine maintenance is required to keep the emergency driver functional, it should be checked periodically to ensure that it is working. The following schedule is recommended:

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. Is the fixture grounded properly?
2. If the charging indicator light does not illuminate after pressing and releasing the **Test Button** (Fig. 16), check power and check if battery is connected properly.

Fig. 16



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BOAR- 0626
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Tech Help Line
Call our experts: 888 722-1000

e-mail
Answered promptly - tech@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.