

INSTRUCTIONS

VAL™ FIELD-ADJUSTABLE AREA LIGHT 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.

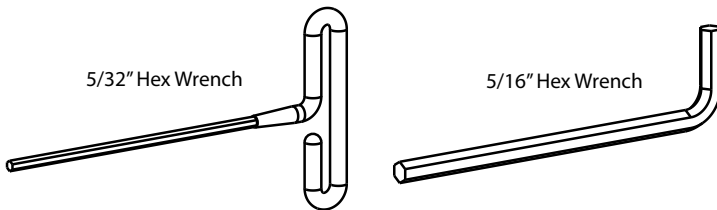
RAB fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT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

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

CAUTION: For proper weatherproof function all gaskets must be seated properly and all screws inserted and tightened firmly. Suitable for wet locations.

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

RECOMMENDED TOOLS (BY OTHERS)



POLE MOUNTING

1. The VAL mounts to a pole with 2-3/8" Tenon as shown in Fig. 1.
2. Remove **Fixture Cover** by loosening **Locking Screw** with a **5/16" Hex Wrench** as shown in Fig. 2. **Fixture Cover** is equipped with a **Hook** to aid with hands free installation (Fig. 2, 3).
3. Slide the Fixture over the **Tenon** and feed wires through opening (Fig. 3). Make wiring connections with UL certified connectors following NEC and local codes as shown in Fig. 7.

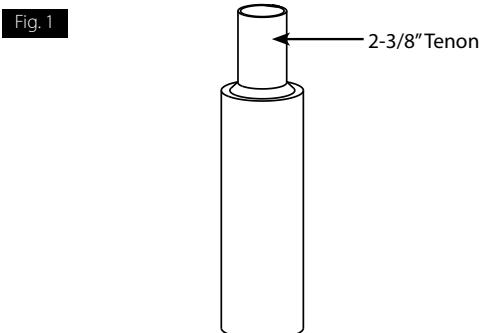


Fig. 2

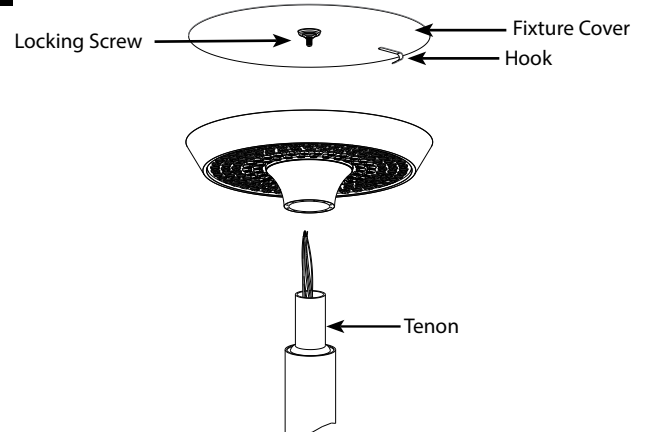
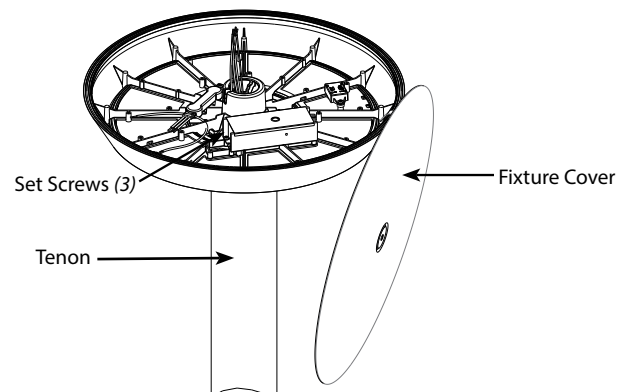


Fig. 3



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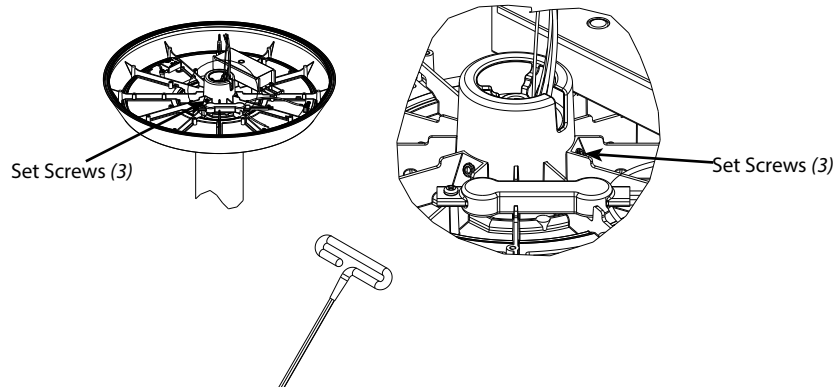
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POLE MOUNTING *(cont'd)*

- Secure Housing to the **Tenon** by tightening with provided (3) **Set Screws** using 5/32" Hex Wrench (*Fig. 4*).

Fig. 4



FIELD ADJUSTMENT

Follow instructions below to change Fixture **Power (W)** and/or **Color Temperature (CCT)** from factory setting:

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

- Locate **Field-Adjustable Selector Switches** in **Housing** as shown in *Fig. 5*.
- Select **Power (W)** and/or **Color Temperature (CCT)** by sliding the respective switch to the desired setting.
- Re-install **Fixture Cover** onto **Housing** and secure (*tight*) with **Locking Screw** (*Fig. 6*) to ensure a weathertight seal.

Fig. 5

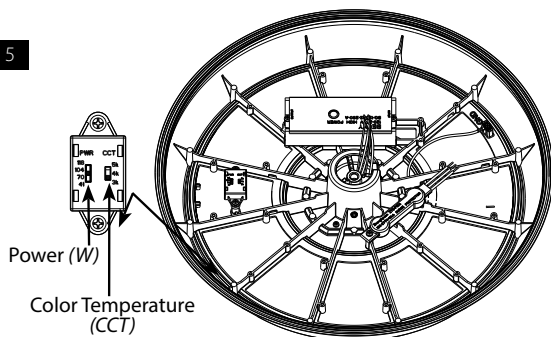
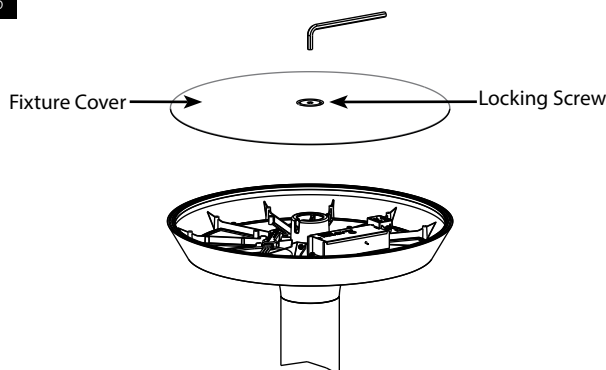


Fig. 6

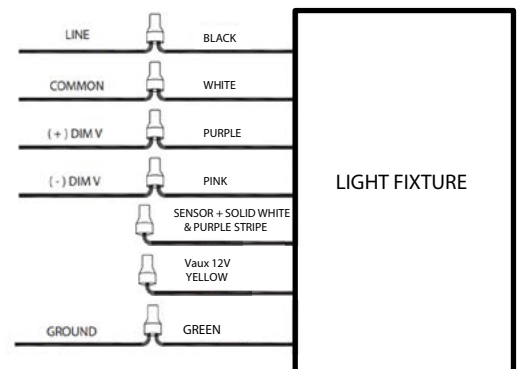


0-10V DIMMABLE WIRING

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. 7*.

- Connect the **black** fixture lead to the **LINE** supply lead.
- Connect the white fixture lead to the **COMMON** supply lead.
- Connect the **GROUND** wire from fixture to supply ground.
Do NOT connect the **GROUND** of the dimming fixture to the output.
- Connect the **purple** fixture lead to the (V+) DIM lead.
- Connect the **pink** fixture lead to the (V-) DIM lead.
- Cap the yellow fixture lead, if present. Do NOT connect.

Fig. 7



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TWISTLOCK INSTALLATION

When installing **Twistlock** (models ordered with /7PRS), first remove the pre-installed **Shorting Cap** (Fig. 8) then install the **Twistlock Sensor** (by others) per manufacturer instructions (Fig. 9).

Fig. 8

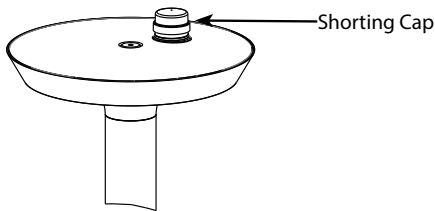
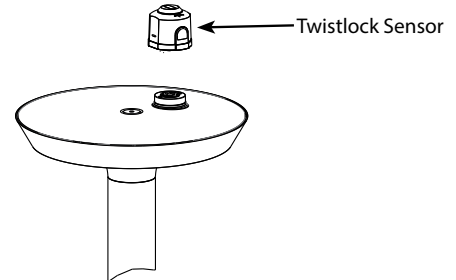


Fig. 9



SENSOR COUPLER INSTALLATION

1. Remove **Fixture Cover** and locate (3) **Coupler Screws** and **Wire Hole** (Fig. 10).
2. Remove **Coupler Screws** with a Phillips-head driver and pull away the existing **Coupler** as shown in Fig. 11.
3. Attach the **Sensor Coupler Kit** using the same (3) **Screws**. Feed the wires through the **Wire Hole** prior to tightening **Screws**. Rotate the **Sensor Coupler Kit** until the **Orientation Rib** matches the groove in **Housing** of fixture (Fig. 12 & 13). Secure by tightening the 3 **Screws**.

Fig. 10

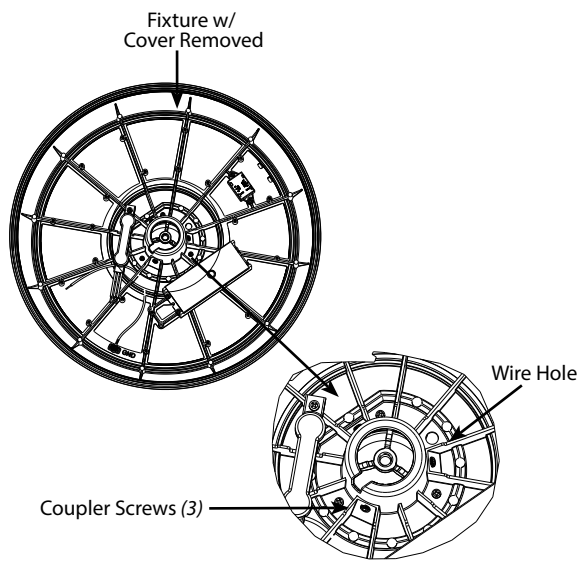


Fig. 12

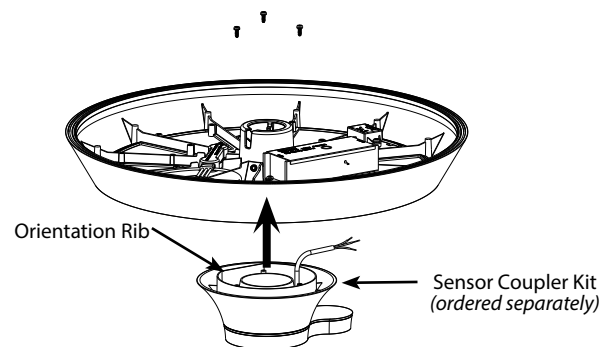


Fig. 13

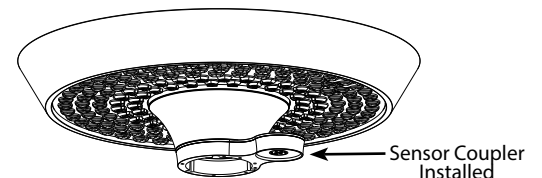
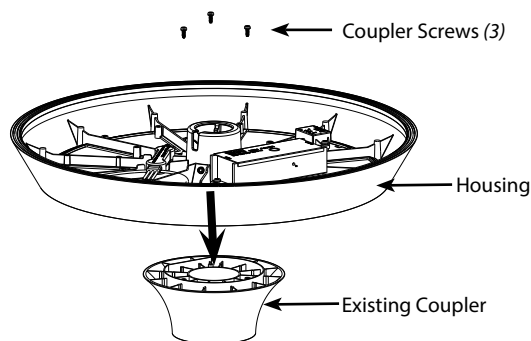


Fig. 11



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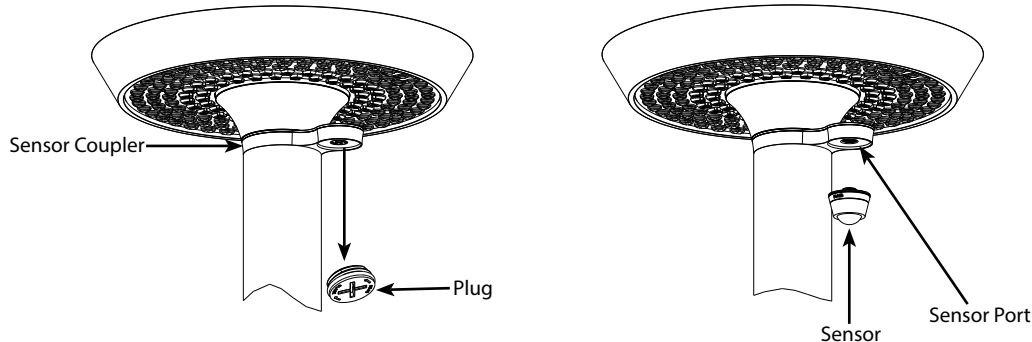
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SENSOR COUPLER INSTALLATION (cont'd)

4. Remove the **Sensor Plug** by turning counterclockwise using a Phillips or flathead screwdriver. Install the **Sensor** (sold separately) into the **Sensor Port** per manufacturer instructions. Be careful not to overtighten (Fig. 14).

Fig. 14



SENSOR WIRING

Universal voltage driver permits operation at 120V through 277V 50 or 60 Hz. Units ordered with /480 suffix are 480V ONLY. For **SENSOR COUPLER KIT** wiring follow the wiring directions as shown in Fig. 15

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 pink fixture lead to the pink **SENSOR COUPLER KIT** lead.
5. Connect the purple/white **SENSOR +** fixture lead to the purple **SENSOR COUPLER KIT** lead.
6. Connect the Vaux yellow fixture lead to the black/white **SENSOR COUPLER KIT** lead.

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

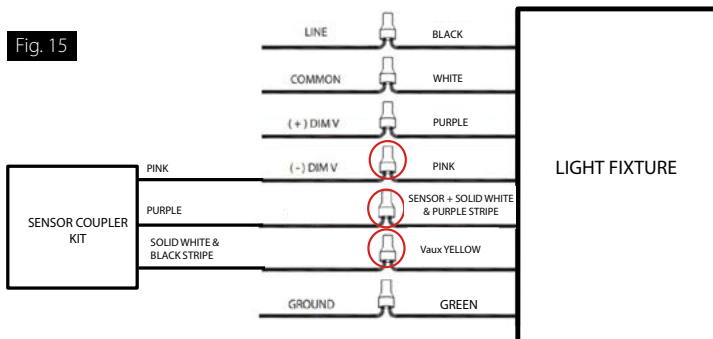


Fig. 15

CLEANING & MAINTENANCE

WARNING: Polycarbonate is damaged by some cleaning chemicals. See list of damaging chemicals on product information web page for chemical list:

rablighting.com/downloads/resources/damaging_chemical_list/damaging-chemical-list.pdf

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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P-103257

Easy Answers

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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.