

# FALCOR<sup>TM</sup> INSTALLATION INSTRUCTIONS



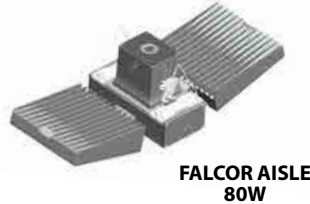
Thank you for buying RAB lighting fixtures. Our goal is to design the best quality products to get the job done right. We'd like to hear your comments. Call the Marketing Department at 888-RAB-1000 or email: [marketing@rabweb.com](mailto:marketing@rabweb.com)



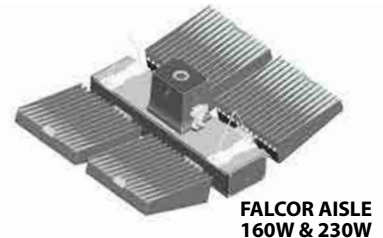
FALCOR  
80W



FALCOR  
160W & 230W



FALCOR AISLE  
80W



FALCOR AISLE  
160W & 230W

## IMPORTANT

**READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

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

**SILICONE ALL PLUGS AND UNUSED CONDUIT ENTRIES FOR WEATHER PROOF SEALING.**

## FOR AISLE FIXTURE

1. Loosen the **screw** connecting **Housing Head** to Junction box.
2. Rotate the **Housing Head** all the way as shown in Fig.1.
3. Tighten the **screw**.

## FIXTURE MOUNTING

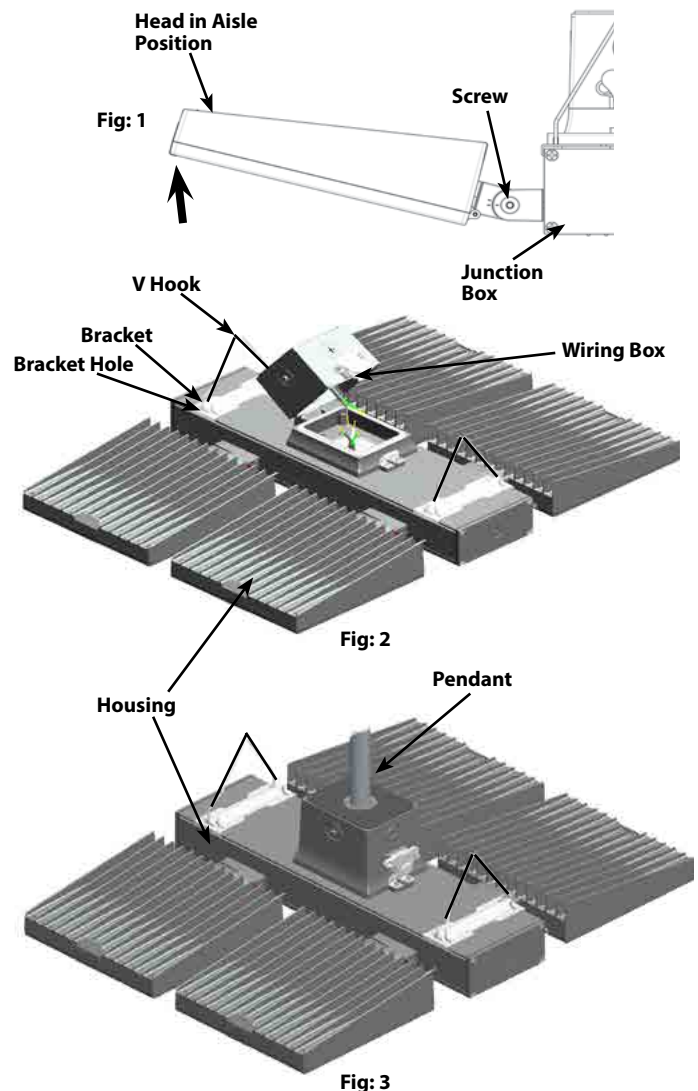
Mount **Housing** to sturdy ceiling structure as follows:

### FOR HOOK MOUNTING:

1. **V Hooks (2)** are provided for chain mounting. Secure **V Hooks** through **Bracket Hole** at back of **Housing** as in Fig. 2.
2. Connect to two (2) equal lengths of chain (by others) and/or appropriate hardware (by others) suitable for mounting surface, to suspend **Housing** from **V Hooks**.
3. Fixture mounting height and spacing should be determined by application requirements. Use chain suitable to support four (4) times the weight of the fixture (42 lbs).
4. **Brackets (2)** should be positioned near end of **Housing** as shown in Fig.2. Secure **Housing** to ceiling mounting surface and adjust **Brackets** evenly to ensure **Housing** is stabilized.
5. Unlatch and open the **Wiring Box** and slide **Cord** in **Wiring Box**. Use approved wiring connectors and wire to local NEC codes.

### FOR PENDANT/ SURFACE MOUNTING:

1. Choose pendant length (3/4" NPS Pendant Stem not supplied) and feed **Cord** through pendant stems. If longer cord is required, replace the **Cord** with the appropriate length wires. For wet locations wrap threads on pendant stems with teflon tape and silicone gel. Screw the pendant stem to the **Wiring Box**. Tighten set screw.
2. Alternatively, mount **Wiring Box** to ceiling by drilling out drill locations. Use the appropriate mounting hardware for the mounting surface. Be sure gasket is properly seated.
3. Unlatch and open the **Wiring Box** and slide **Cord** in **Wiring Box**. Use approved wiring connectors and wire to local NEC codes.



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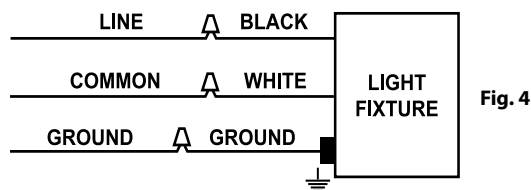


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## WIRING

Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz. Units ordered with (/480V) suffix are 480V.

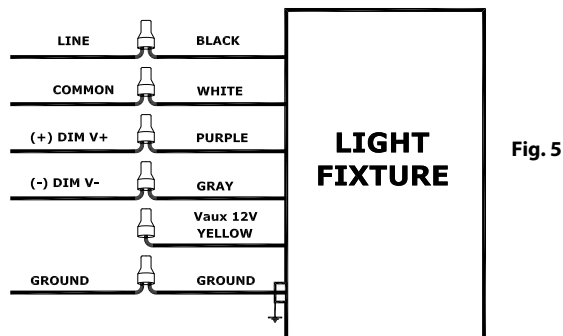
1. Connect the black fixture lead to the LINE supply lead.
2. Connect the white fixture lead to the COMMON supply lead.
3. Connect the GROUND wire from fixture to supply ground.



## 0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz. For 0-10V Dimming, follow the wiring directions as in Fig. 5.

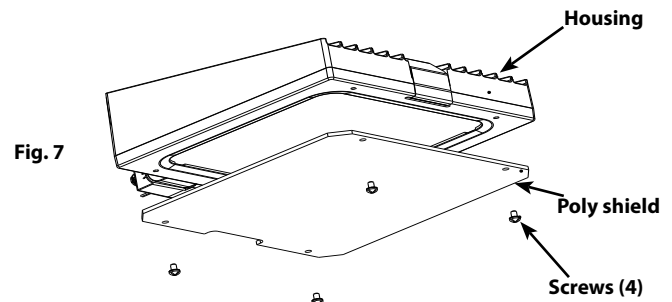
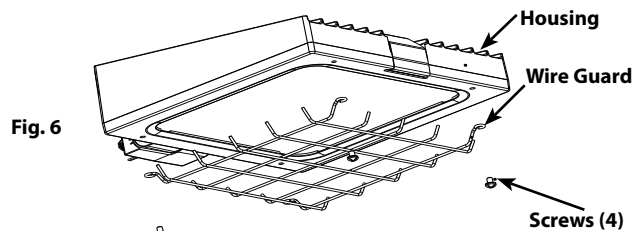
1. Connect the black fixture lead to the LINE supply lead.
2. Connect the white fixture lead to the COMMON supply lead.
3. Connect the GROUND wire from fixture to supply ground. Do NOT connect the GROUND of the dimming fixture to the output.
4. Connect the purple fixture lead to the (V+) DIM lead.
5. Connect the gray fixture lead to the (V-) DIM lead.
6. Cap the yellow fixture lead, if present. Do NOT connect.



## GUARD OR SHIELD INSTALLATION

Wire Guard and Poly Shield mount with (4) **Stainless Steel Screws**. Screws are provided with the accessory. See Fig. 6 for Guard. See Fig. 7 for Shield.

1. Line up guard or shield with existing pre-drilled holes in frame as shown, tighten screws.



## CLEANING & MAINTENANCE

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

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

## TROUBLESHOOTING

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

## ACCESSORIES

Wire Guard:  
Poly Shield:

**GDFALCORW**  
**GDFALCORP**

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.