

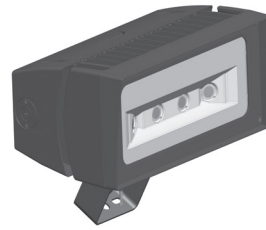
# FFLED® 180W/ 230W INSTALLATION INSTRUCTIONS



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)



FFLED Slipfitter



FFLED Trunnion

## 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.

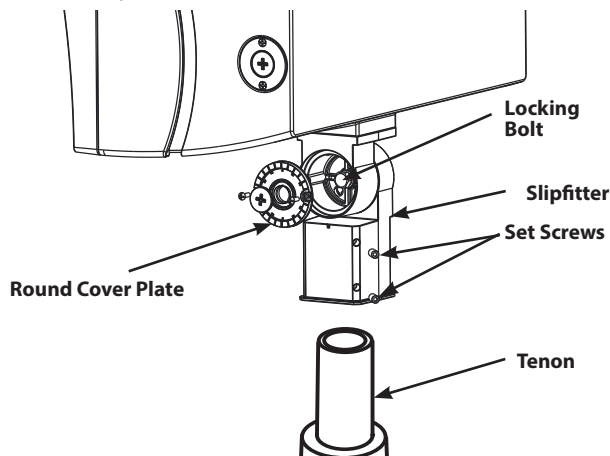
**WARNING: Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.**

## WARNING: RISK OF SERIOUS INJURY OR DEATH!

**DO NOT MOUNT THE SLIPFITTER TO A TENON OR BRACKET THAT IS MORE THAN 20 DEGREES FROM VERTICAL. MOUNTING AT ANY ANGLE OTHER THAN 0-20 DEGREES INCREASES THE RISK OF DISENGAGEMENT AND/OR FAILURE OF THE SLIPFITTER. INSTALL THE POLE ON A SECURE BASE OR INSTALL THE BRACKET TO A WALL FIRST. THEN PLACE LUMINAIRE ONTO THE POLE OR BRACKET. DO NOT LIFT LUMINAIRE ASSEMBLED TO POLE OR BRACKET. LUMINAIRE MAY DISENGAGE.**

## SLIPFITTER MOUNTING

1. The slipfitter mounting fits a 2 3/8" O.D. **Tenon**. Place the slipfitter over the **Tenon** and secure the fixture with the **Set Screws** on the side of the **Slipfitter**.
2. To adjust the angle of the **Slipfitter**, remove screws and plug on **Round Cover Plate**. Remove the **Round Cover Plate**. Loosen the **Locking Bolt** and adjust the angle of the fixture as desired.
3. Feed supply wires from **Tenon** to **Slipfitter** and make necessary connections in the **Slipfitter** and knot wires for strain relief.
4. Tighten the **Locking Bolt** and re-attach **Round Cover Plate**. Seal plug on side of **Round Cover plate** with Teflon Tape or silicone sealant.

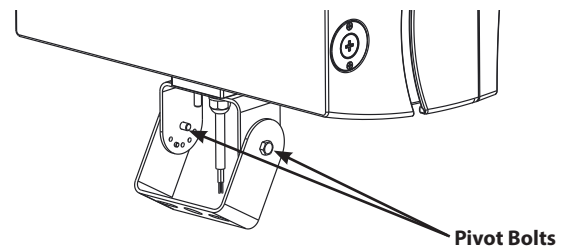


## TRUNNION MOUNTING

**CAUTION: UL and C-UL listed or CSA certified liquid tight cord grip suitable for use with STW flexible cord shall be used for connection to a wet location outlet box provided by others.**

To adjust the angle of the fixture using the trunnion:

1. Loosen the **Pivot Bolts** & angle locking screw.
2. Adjust fixture to desired angle.
3. Tighten **Pivot Bolts** & angle locking screw.



# FFLED® 180W/ 230W INSTALLATION INSTRUCTIONS



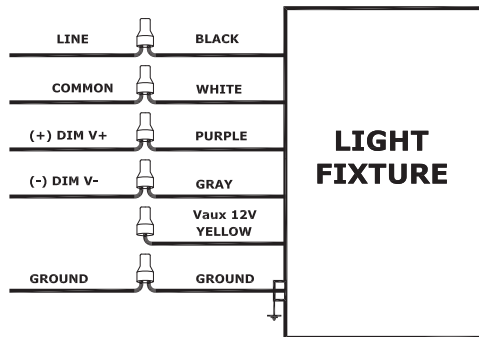
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## 0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz. Units ordered with (/480V) suffix are 480V, 50Hz or 60Hz. For 0-10V Dimming, follow the wiring directions as below.

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 gray fixture lead to the (V-) DIM lead.
6. Cap the yellow fixture lead, if present. Do NOT connect.

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

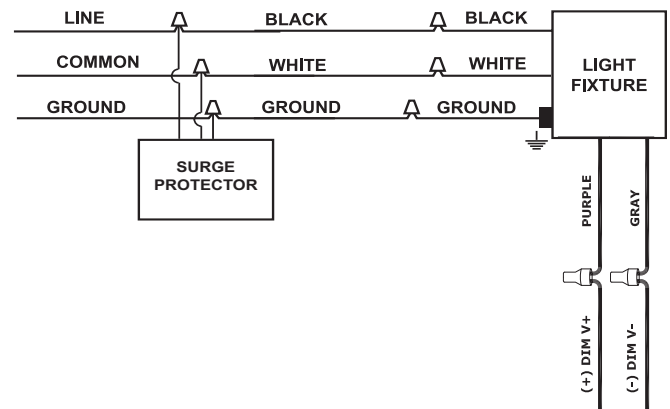


## SURGE PROECTOR OPTION

Units ordered with (/SP) suffix are provided with 10kV surge protector secured within the fixture. Follow wiring directions as below -

1. Connect the black fixture lead to the LINE supply lead and black surge protector wire.
2. Connect the white fixture lead to the COMMON supply lead and white surge protector wire.
3. Connect the GROUND wire from fixture to supply ground and green surge protector wire.
4. Connect the purple fixture lead to the (V+) DIM lead.
5. Connect the gray fixture lead to the (V-) DIM lead.

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



## CLEANING & MAINTENANCE

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

1. Lens should be washed in a solution of warm water and any mild, non abrasive household detergent, rinsed with clean water and wiped dry. Do not use chemicals to clean fixture.
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. Be sure the fixture is grounded properly.
3. Is the photocell, if used, functioning properly?

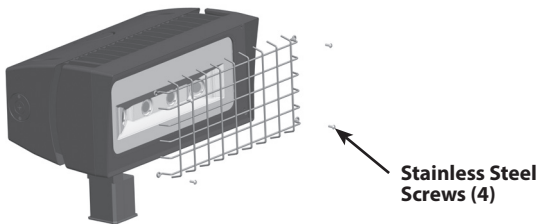
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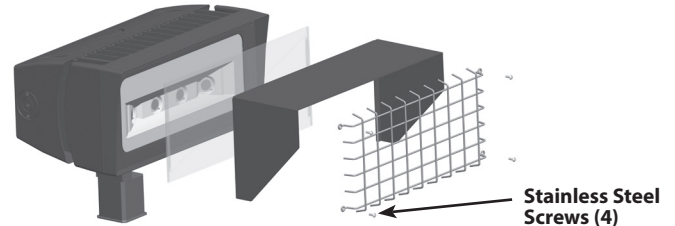
## GUARD INSTALLATION *(ordered separately)*

Wire Guard mount with (4) #10-24 **Stainless Steel Screws**. Screws are provided with accessory. Line up guard with existing, pre-drilled holes in frame as shown, tighten screws. Guard, Shield and Hood may be used together.



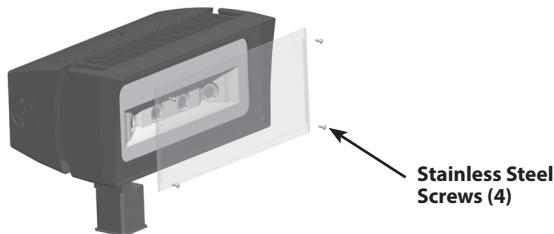
## GUARD/ SHIELD/ HOOD INSTALLATION *(ordered separately)*

Wire Guard, Poly Shield and Hood can be mounted together with (4) #10-24 **Stainless Steel Screws**. Line up shield, hood and guard with existing, pre-drilled holes in frame as shown, tighten screws.



## POLY SHIELD INSTALLATION *(ordered separately)*

Poly Shield mount with (4) #10-24 **Stainless Steel Screws**. Screws are provided with accessory. Line up shield with existing, pre-drilled holes in frame as shown, tighten screws. Guard, Shield and Hood may be used together.



## ACCESSORIES AND REPLACEMENT PARTS *(ordered separately)*

### Poly Shield:

GDFLED230P

### Wire Guard:

GDFLED230W

### 7" Hood:

HFFLED230-7 (Bronze)/  
HFFLED230W-7 (White)

### 12" Hood:

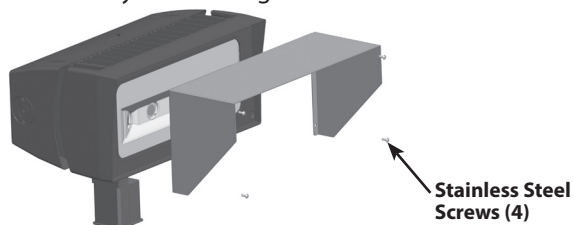
HFFLED230-12 (Bronze)/  
HFFLED230W-12 (White)

### Lens & Door Replacement:

LFFLED230A (Bronze)/  
LFFLED230W (White)

## HOOD INSTALLATION *(ordered separately)*

Hood mount with (4) #10-24 **Stainless Steel Screws**. Screws are provided with accessory. Line up hood with existing, pre-drilled holes in frame as shown, tighten screws. Guard, Shield and Hood may be used together.



## RECEPTACLE OPTION

Units ordered with (/PCT) suffix is supplied with 3 wire receptacle and 120-277V Twistlock Photocell. Units ordered with (/PCT4) is supplied with 3 wire receptacle and 480V Twistlock Photocell.

Units ordered with (/7PR) suffix is supplied with 7-Pin receptacle without photocell. Brown and Orange wires from the 7-Pin receptacle are not connected and are reserved to DALI or other control systems.

Patent - US: Pat D643,147

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.



### Easy Answers

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Free Lighting Layouts  
Answered online or by request