**Items:**

**F-FL/15/40K/KN/BZ-87**
**F-FL/30/40K/KN/BZ-87**
**F-FL/50/40K/KN/BZ-87**
**F-FL/50/40K/TR/BZ-87**
**F-FL/15/50K/KN/BZ-87**
**F-FL/30/50K/KN/BZ-87**
**F-FL/50/50K/KN/BZ-87**
**F-FL/50/50K/TR/BZ-87**

# LED LOW POWER FLOOD LIGHTS
## INSTALLATION INSTRUCTIONS

**⚠ WARNING**

- **DANGER- Risk of shock- Disconnect power before installation.**
  - Electrical connections must be made in accordance with the NEC and all federal and local electrical safety codes.
  - Suitable for damp or wet locations and in ambient temperature range of -40° through 113°F
  - Not for use in hazardous environments
  - Min 167°F supply conductors.
  - This luminaire is rated for 120-277V, 60Hz only.
  - Product must be properly grounded to prevent product malfunction and/or electrical shock
  - Do not install if lens is cracked, or fixture is damaged in any way

- Please Note -
  - Disconnect power and allow to cool prior to cleaning or maintenance.

- Before turning on fixture, check to see if fixture was damaged during transportation. DO NOT install or use fixture if there is visible damage.
- The products itself and all its components should not be mechanically stressed.
- Installation must not damage or destroy conducting paths or other parts of the product.
- Installation of LED product (with power supplies) needs to be made about all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Wrong polarity may damage or destroy the LED products.
- DO NOT operate LEDs in reverse bias.
- Electrical connections should always be in a dry area and adequately sealed.
- This product series emits high light output. DO NOT look directly into the light emitting area. Direct exposure to the light over an extended time period may harm eyes.

| Input Voltage | Frequency | Power | Input Current |
|---|---|---|---|
| AC120-277V | 50/60Hz | 15W | 0.138A |
| AC120-277V | 50/60Hz | 30W | 0.275A |
| AC120-277V | 50/60Hz | 50W | 0.459A |

**INSTALLATION - Surface Mounting**

1. Do not remove any part of the fixture.
2. For product specifications, please see the label on fixture.
3. Terminal block shall conform to UL standard; and s hall be specified as following:
   - The type of terminal: screw/screwless
   - Number of terminals: 3 poles
   - Rated voltage: Min. 277V

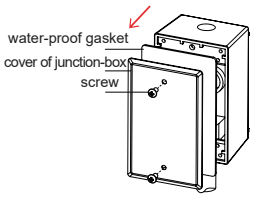
 *©2019 Topaz Lighting Corp.*

**Items:**

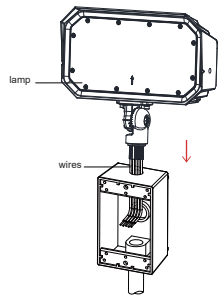
**F-FL/15/40K/KN/BZ-87**
**F-FL/30/40K/KN/BZ-87**
**F-FL/50/40K/KN/BZ-87**
**F-FL/50/40K/TR/BZ-87**
**F-FL/15/50K/KN/BZ-87**
**F-FL/30/50K/KN/BZ-87**
**F-FL/50/50K/KN/BZ-87**
**F-FL/50/50K/TR/BZ-87**

## *Installation Instruction* (Kunckle)

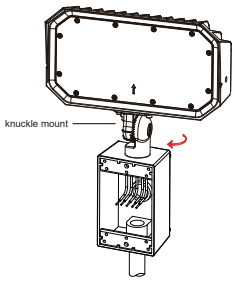
1. Use screwdriver to open junction-box.



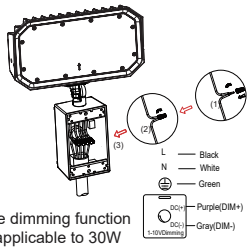

2. Run wires of lamp into the junction-box.




3. Screw the knuckle mount onto junction-box.

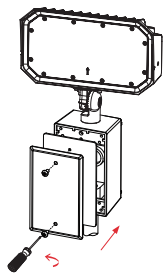



4.Use wire-nuts to connect the wires of lamp and junction-box

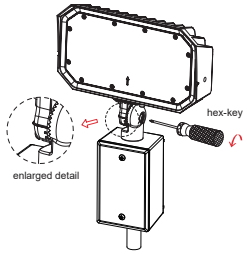



The dimming function is applicable to 30W and 50W ONLY.

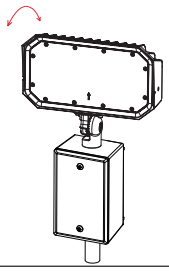
5. Lock the junction-box with screwdriver.



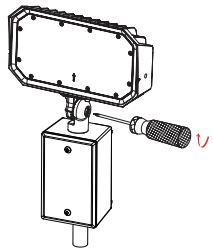
6.Use hex-key to screw off the hex-screw in knuckle mount.




7.Adjust the lamp into suitable angle.

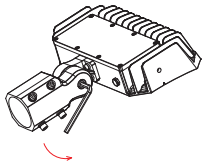


8.Use hex-key to screw up the hex-screw. Installation is complete.

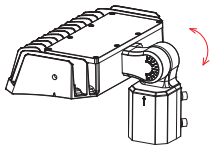


## *Installation Instruction* (Slipfitter)

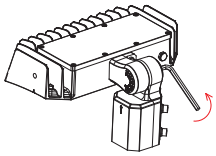
1.Loosen the screw used to fix the upper and the lower mount in rotating shaft by Hexagon wrench.



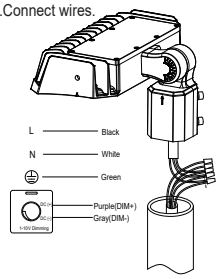
2.Rotate the bracket to properly adjust angle as needed.



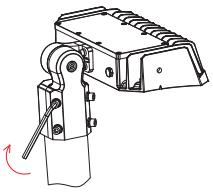
3.Lock the upper and lower brackets with Hexagon wrench.



4.Connect wires.



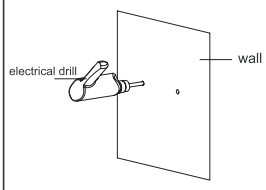

5.Fix the bracket to lamp pole with hexagon wrench.



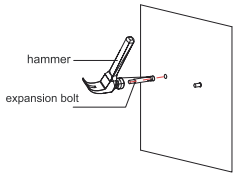
Notice: The maximum diameter of lamp pole is 2.36", lamp adjustable angle is 0-90°.

## *Installation Instruction* (Trunnion/Yoke)

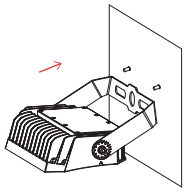
1.Mark the position of the fixing holes with flood light bracket, then drill the fixing holes



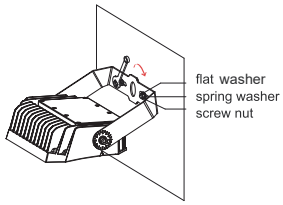

2.Drill in bolts to the pre-drilled holes as shown below.



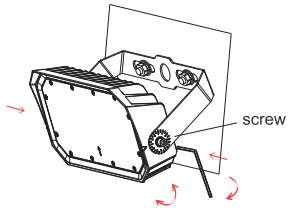

3. Place bracket tightly toward the wall and through the thread.



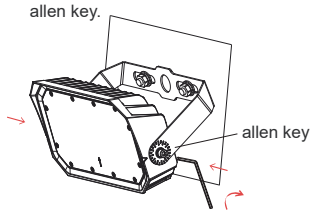
4. Fasten the screw nut clockwise using provided hardware and wrench.



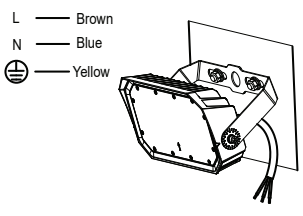

5. Rotate the light to the proper angle and fasten the screws.




6. Fasten screws on both sides usings allen key.




7.Connect wires





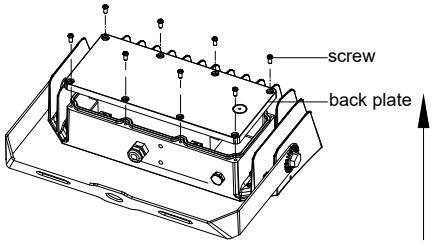

**www.topaz-usa.com** *925 Waverly Ave • Holtsville, NY 11742 • 800-666-2852 • Fax: 631-758-8026 •* *©2019 Topaz Lighting Corp.*

**Items:**

F-FL/15/40K/KN/BZ-87
F-FL/30/40K/KN/BZ-87
F-FL/50/40K/KN/BZ-87
F-FL/50/40K/TR/BZ-87
F-FL/15/50K/KN/BZ-87
F-FL/30/50K/KN/BZ-87
F-FL/50/50K/KN/BZ-87
F-FL/50/50K/TR/BZ-87

## Installation for Photocell Sensor

1.Remove screws and back plate




2.Select one of the methods in figure 1 or figure 2 to open the integrated knockout for photocell.

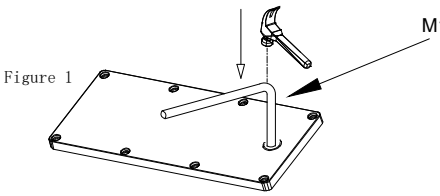



Figure 1

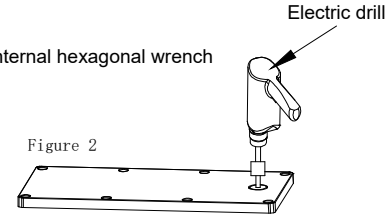
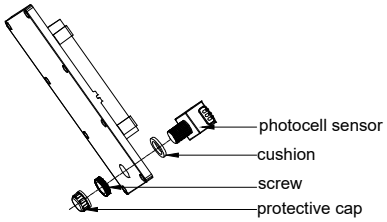
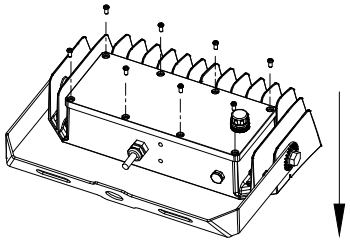



Figure 2

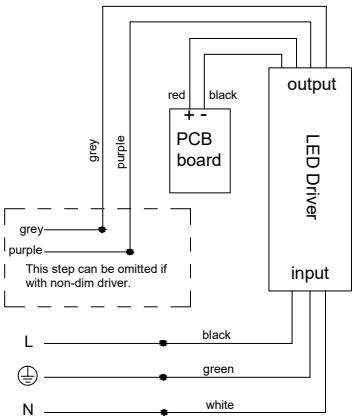
3.Install the photocell sensor on the back plate.



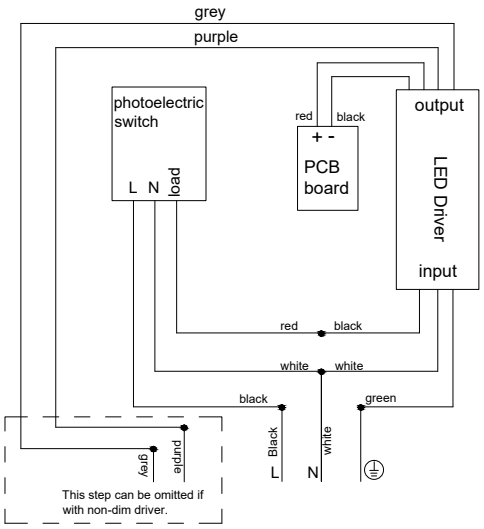

5.Install the back plate, lock the screws and complete the installation.



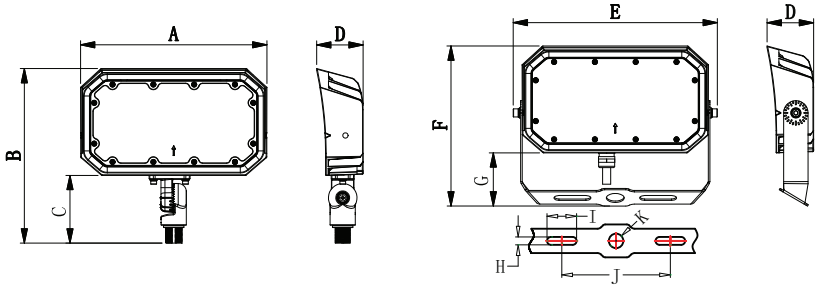
4-1.Original wiring



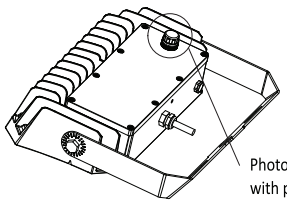

4-2.Wiring with Photocell.




## Product Dimensions




(Knuckle) (Trunnion/Yoke)



Photocell is available for 30w to 90W, with photo control function.

| Part No. | A | B | C | D | E | F | G | H | I | J | K |
|---|---|---|---|---|---|---|---|---|---|---|---|
| F-FL-50W/XXK/XX/XX | 9.0" | 8.4" | 2.2" | 2.3" | 9.8" | 7.7" | 2.6" | 0.47" | 1.77" | 4.13" | 0.87" |
| F-FL-30W/XXK/XX/XX | 7.0" | 7.2" | 3.3" | 2.0" | 7.8" | 6.5" | 2.5" | 0.47" | 1.38" | 3.43" | 0.87" |
| F-FL-15W/XXK/XX/XX | 5.1" | 6.1" | 3.3" | 1.8" | 5.7" | 4.3" | 1.5" | 0.32" | 0.98" | 2.4" | 0.4" |

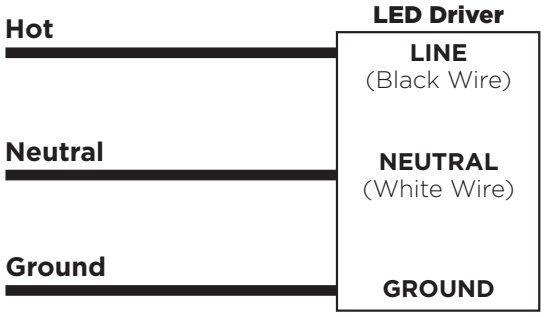


 *©2019 Topaz Lighting Corp.*

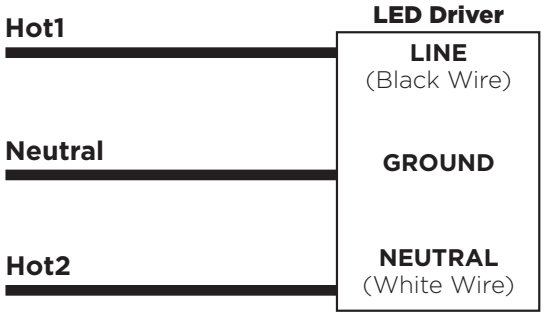
**Items:**

F-FL/15/40K/KN/BZ-87
F-FL/30/40K/KN/BZ-87
F-FL/50/40K/KN/BZ-87
F-FL/50/40K/TR/BZ-87
F-FL/15/50K/KN/BZ-87
F-FL/30/50K/KN/BZ-87
F-FL/50/50K/KN/BZ-87
F-FL/50/50K/TR/BZ-87

# LED LOW POWER FLOOD LIGHTS
## INSTALLATION INSTRUCTIONS

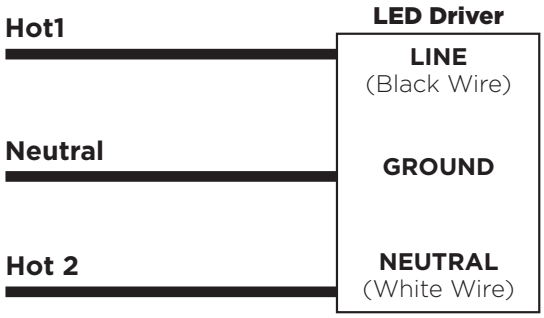



**120 VOLTS**



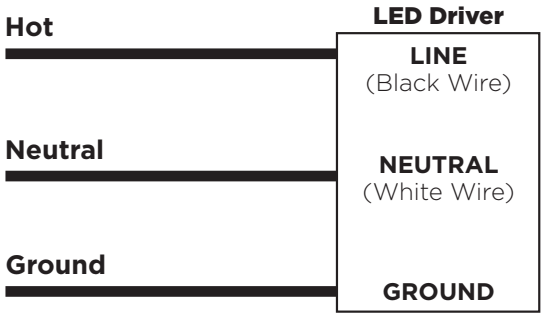

**208 VOLTS**

**208V Split Phase Wiring (USA 3 Wire)**




**240 VOLTS**

**240VAC Split Phase Wiring (USA 3 Wire)**




**277 VOLTS**



**www.topaz-usa.com** 925 Waverly Ave • Holtsville, NY 11742 • 800-666-2852 • Fax: 631-758-8026 • ©2019 Topaz Lighting Corp.