FXL 20-80W Series

Installation Instructions

IMPORTANT SAFEGUARDS
READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

When using electrical equipment, basic safety precautions should always be followed including the following:

- **DISCONNECT AC POWER SUPPLY BEFORE SERVICING.**
- Installation and servicing of this equipment should be performed by qualified service personnel only.
- Ensure that the electrical wiring conforms to the National Electrical Code NEC® and local regulations if applicable.
- Do not mount near gas or electrical heaters.
- Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Any modification or use of non-original components will void the warranty and product liability.
- Do not use this equipment for other than intended use.

SAVE THESE INSTRUCTIONS!

Technical Support ■ (623) 580-8943 ■ technicalsupport@barronltg.com

Installation

Knuckle Mount

1. Match holes of rubber gasket with knuckle bracket A and pass wires though the bracket. Secure bracket with provided mounting bolts. (Fig. 1)

2. Pass the wires though knuckle bracket B and secure with the angle adjustment screw. (Fig. 2)

3. Make electrical connections; see **Electrical Connections** section.

4. Set the desired fixture angle by loosening the angle adjustment bolt until the detents disengage and rotate the knuckle to the desired angle. Re-tighten the angle adjustment bolt to secure. (Fig. 3)

Fig. 1

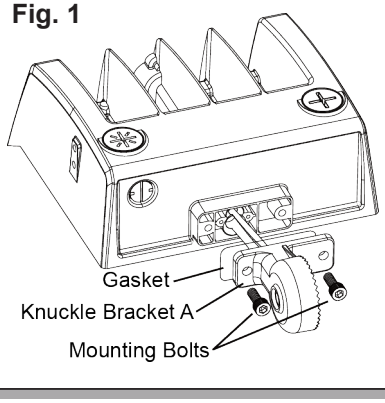


Fig. 2

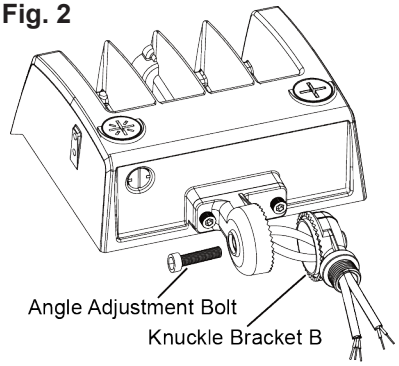
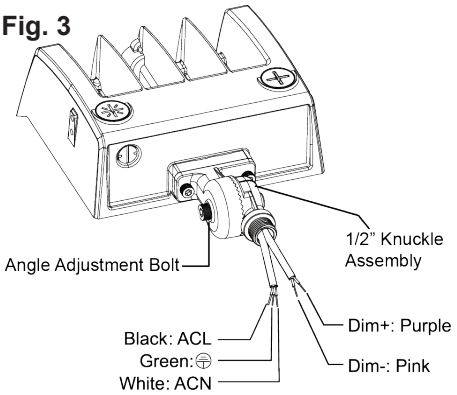


Fig. 3



IMPORTANT: Weatherproof your installation. Be sure to seal all holes in the enclosure, such as the mounting, conduit, plugs, sensors, and photocontrols with silicone sealant.

Yoke Mount

1. Secure yoke bracket with provided mounting bolts (Fig. 4)

2. Mount the yoke bracket to the mounting surface using expansion bolts or other appropriate hardware (provided by others); see **Drilling Template** section. **Note:** Allow for proper line cord slack for adjusting the angle.

3. Make electrical connections; see **Electrical Connections** section.

4. Set the desired fixture angle by loosening the positioning bolts and rotating the fixture to the desired angle, then re-tighten to secure. (Fig. 5)

IMPORTANT: Weatherproof your installation. Be sure to seal all holes in the enclosure, such as the mounting, conduit, plugs, sensors, and photocontrols with silicone sealant.

Fig. 4

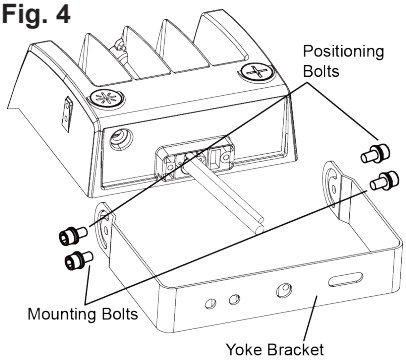
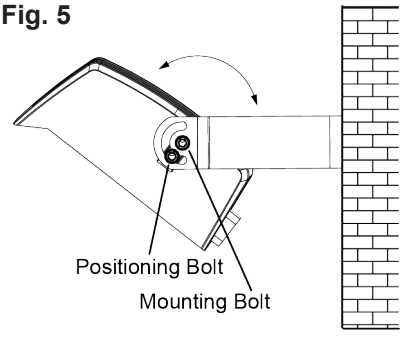


Fig. 5



Drilling Template

1. Drill according to template (Fig. 6 & Table 1)

Fig. 6 - Yoke Drilling Template

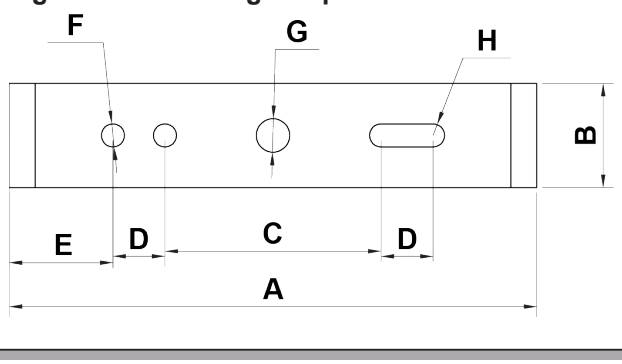


Table 1 - Yoke Drilling Template Chart

	A	B	C	D	E	F	G	H
20W	6.4"	1.1"	1.91"	0.79"	1.46"	0.33"	0.51"	0.17"
35W	7.31"	1.1"	2.83"	0.79"	1.46"	0.33"	0.51"	0.17"
80W	10.26"	1.65"	4.98"	0.98"	1.65"	0.35"	0.51"	0.18"

Electrical Connections

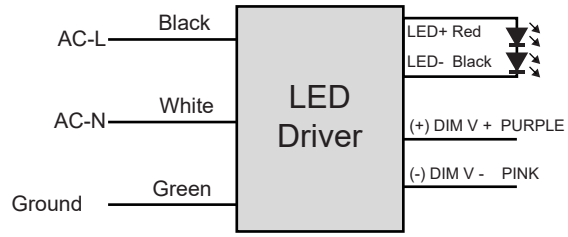
All electrical connections should be made inside the junction box. Make electrical connection as follows:

120-277VAC (Fig. 7)
Black - 120-277VAC
White - Neutral
Green - Ground
Purple - Dim+
Pink - Dim-

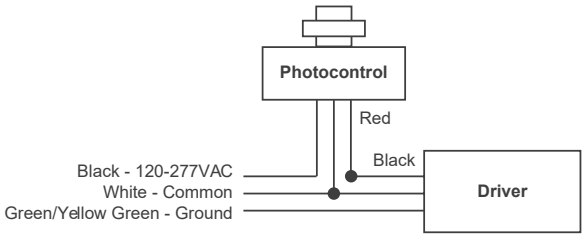
Note: Cap unused leads to prevent shorting. This fixture auto-adjusts to voltages between 120-277VAC.

Fig. 7

Standard



With Photocontrol



Wattage and CCT Adjustment

1. Remove the ½" plastic screw plug for photocontrol and the ½" metal screw plug for power and CCT selection on the bottom of the fixture using a flathead screwdriver. (Fig. 8)

2. Slide Photocontrol, CCT and Wattage switches to desired setting, reinstall the plug and tighten it fully. (Fig. 9)

Fig. 8

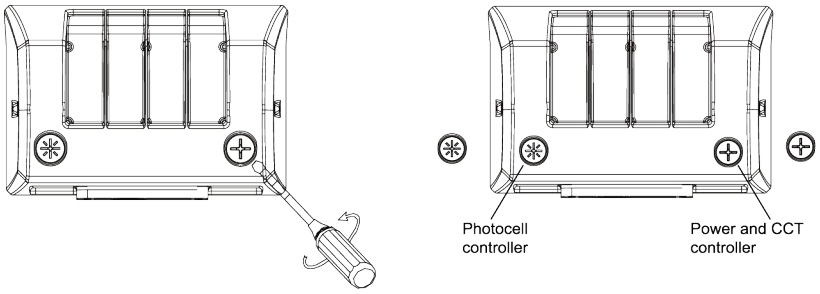
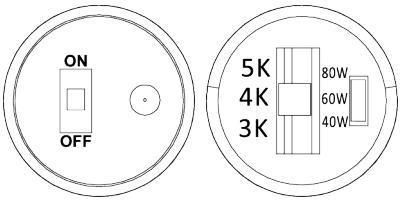


Fig. 9



Beam Angle Adjustment

1. Locate the beam angle adjustment tool included in the packaging. (Fig. 10)

2. Adjust handle to desired beam angle by turning clockwise or counter-clockwise. (Fig. 11)

Fig. 10

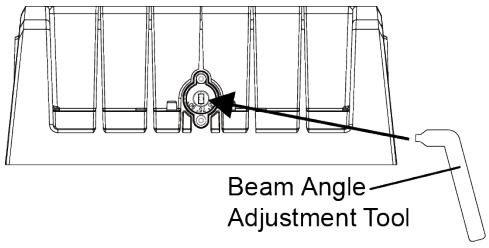
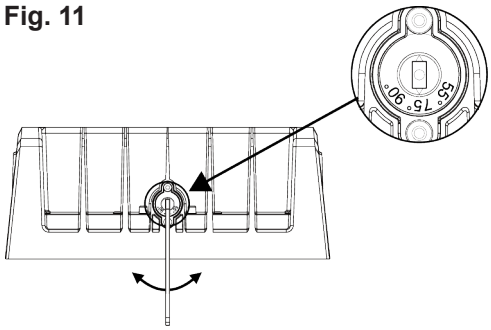


Fig. 11



Troubleshooting

If the fixture does not turn ON:

1. Check incoming voltage to the LED driver. On the Switch/Un-switch line, the voltage must be a minimum of 120VAC and no greater than 277VAC.

2. Are all LEDs on the light engine OFF? If so, the LED driver may be defective. Using a voltmeter, check to see if voltage is present at the output of the power supply. If low or no voltage is found, replace the power supply.

3. If any individual LEDs are OFF, the LED light engine may be defective. Please have the serial number of the light engine available when you contact technical support.

4. If the unit is equipped with a photocell, check the photocell to make sure it is functioning properly.