

# E110S 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<sup>®</sup> 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.
- This luminaire is designed to operate in ambient temperatures ranging from -40°C to 40°C (40°F to 104°F) and to be horizontally mounted with the LEDs facing down.

### SAVE THESE INSTRUCTIONS!

Technical Support ■ (623) 580-8943 ■ [technicalsupport@barronltg.com](mailto:technicalsupport@barronltg.com)

# E110S Series

## Installation Instructions

### Junction Box Installation

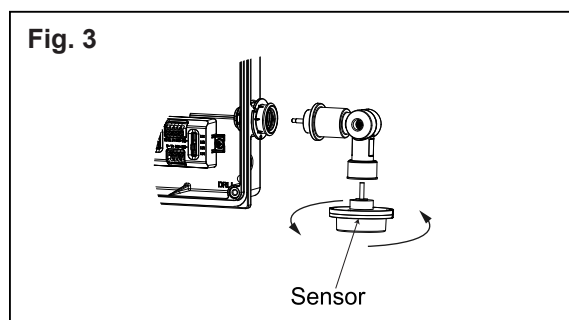
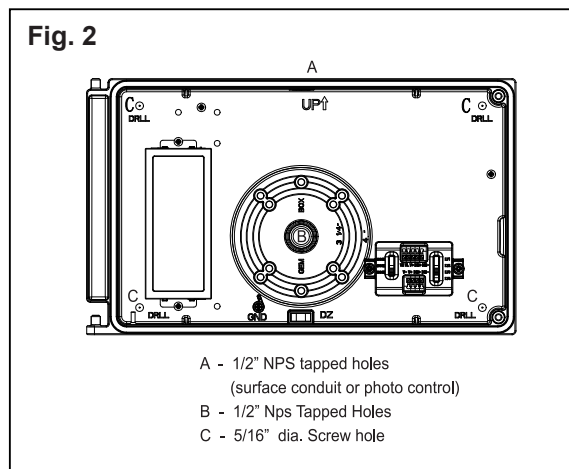
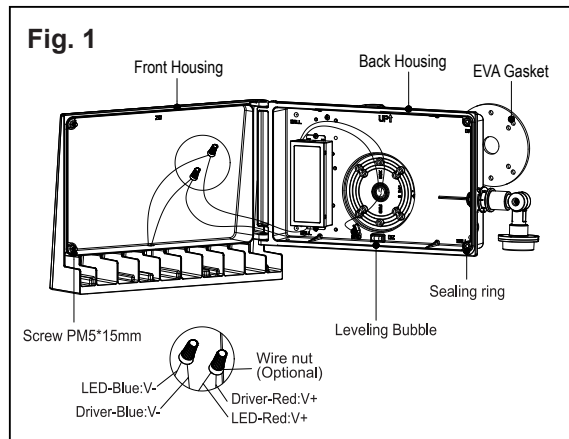
1. Loosen screws and remove the front housing set carefully from the back housing. The angle between the front housing and back housing varies from 0° to 45°. Push up to take down the front housing. (Fig. 1)
2. Remove the 1/2" knockout in the center (B) for wiring. The fixture supports standard 3 1/4" and 4" junction boxes. (Fig. 2)
3. Attach the back housing to the wall using the supplied gaskets for a weather tight seal. (Fig. 1)
4. Connect AC and dimming supply wires inside the fixture. See **Electrical Connections** section.
5. Replace the front housing set on the hinges, make connections and close the front case and tighten the screws.
6. If CCT regulator is used, make sure that the red wire is for V+, black for VH and blue for VL.
7. When the sensor is configured, the sensor is tightened by assembling as shown (Fig. 3)

### Conduit Installation

1. Loosen screws and remove the front housing set carefully from the back housing. The angle between the front case housing and back housing varies from 0° to 45°. Push up to take down the front housing. (Fig. 1)
2. Remove the 1/2" knockout on the sides of the fixture (or remove the 1/2" plug on the top of the fixture) where you intend to feed the conduit. (Fig. 2)
3. Drill out the holes (C) to secure it on the wall using proper screws. (Fig. 2)
4. Connect the building conduit to the knockouts removed in the previous step.
4. Connect AC and dimming supply wires inside the fixture. See **Electrical Connections** section.
5. Replace the front housing on the hinges, make connections and close the front housing and tighten the screws.
6. If CCT regulator is used, make sure that the red wire is for V+, black for VH and blue for VL.
7. When the sensor is configured, the sensor is tightened by assembling as shown (Fig. 3)

**NOTE:** When the fixture is equipped with both sensor and CCT controller, the sensor's operation is only adjusted according to the maximum power of the fixture.

**IMPORTANT:** Weatherproof your outdoor installation. Be sure to seal all holes in the enclosure, such as the mounting, conduit, plugs, sensors, and photocontrols with silicone sealant. Apply sealant across the top edge to prevent water from reaching the back of the housing.



# E110S Series

## Installation Instructions

### Electrical Connections

Make electrical connections per Wiring Diagram. (Fig. 4)

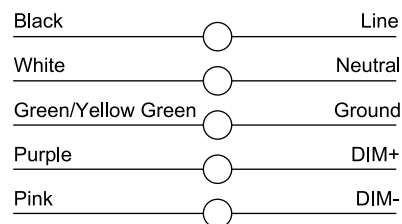
1. Connect the line fixture lead to the black supply lead.
2. Connect the neutral fixture lead to the white supply lead.
3. Connect the ground lead from the service to the ground lead coming from the driver plate
4. Connect the DIM+ fixture lead to the purple supply lead.
5. Connect the DIM- fixture lead to the pink supply lead.

### Power and CCT Selectable (Optional)

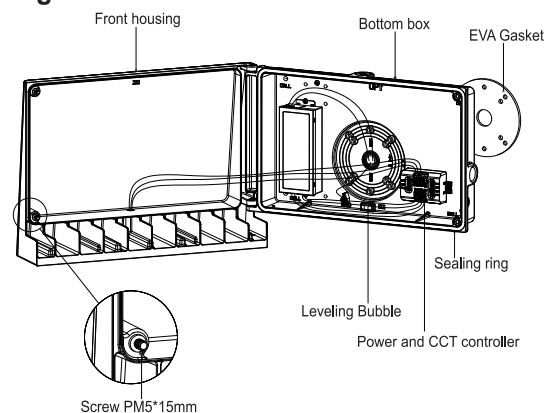
1. Loosen the two PM5\*15 screws on the side of the fixture, open the front housing of the housing in order to access. (Fig. 5)
2. Adjust the DIP switch to the corresponding color temperature and power the requirements of the application. (Fig. 6)
3. Make sure that all wires are securely connected and that there are no exposed conductors. Replace the front housing of the housing (make sure wires do not get pinched) then tighten the screws.

**CAUTION:** All electrical work must conform to the National Electric Code (NEC) and all applicable local codes and ordinances.

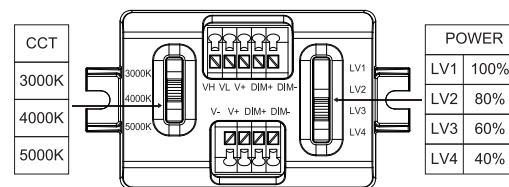
**Fig. 4**



**Fig. 5**



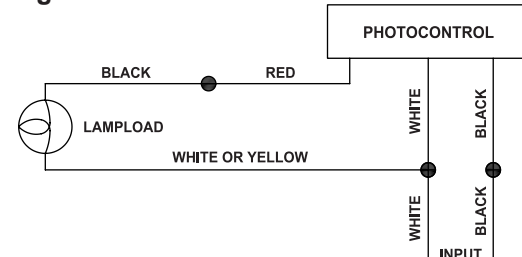
**Fig. 6**



### Photocell Installation (Optional)

1. Install photocell and wire as per diagram. (Fig. 7)
2. Use photocell rated for your supply voltage.

**Fig. 7**



## Installation Instructions

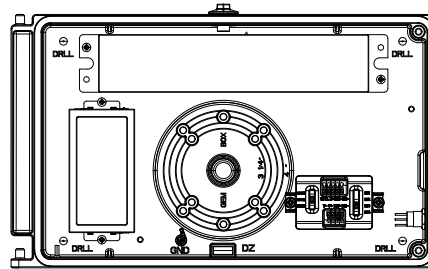
### Emergency Battery / Sensor Installation (Optional)

1. For **26W**: Secure the emergency battery with (2) BM4\*6 screws. (Fig. 8)

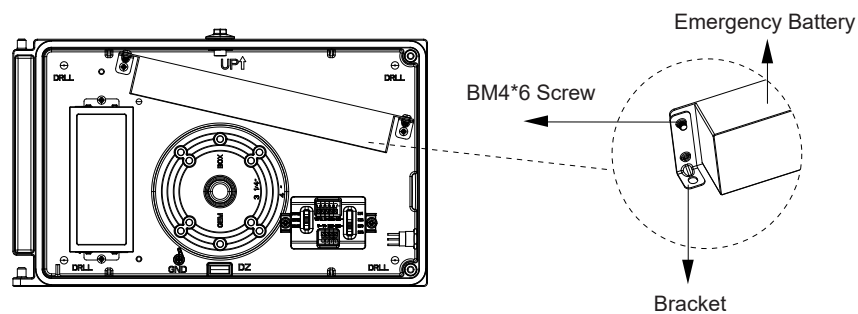
**For 65W:** Attach the brackets and emergency battery together with (2) BM4\*6 screws and secure the kits with (2) BM4\*6 screws to the fixture. (Fig. 9)

2. Complete the wiring of emergency, power supply and controller according to the wiring diagram. (Fig. 10)

**Fig. 8**



**Fig. 9**



**Fig. 10**

