

## Install the Beacon Bracket Kit PN# 11320037

The Beacon Bracket Kit, Figure 1, is intended for applications where the refractor of a dusk-till-dawn fixture is required to light up when used with the Clearlight luminaire. Remove the fixture from the electrical source prior to installing the bracket and detach the refractor. Installation instructions are based on a Cooper 100W HPS RMA10SR255PV 120v with 16 gauge wire. **CAUTION:** Modifications to an electrical fixture should be restricted to authorized personnel, or a licensed electrician.

### How to Install the Beacon Bracket Kit

1. Loosen the two screws that secure the socket, ballast and starter within the housing, one screw on each side. Figure 2. Remove the starter for easy access to the housing screw on the same side.
2. Disconnect the white (neutral), black (line) and red photocell wires from the socket. Avoid cutting the wires. See Figure 3. The 16 gauge wiring typically has flat spade connectors for quick disconnect.
3. Remove the screws and set aside to reuse. Remove the socket, ballast and starter from inside the housing and set aside to recycle. Figure 4. The interior of the fixture should be empty except for the photocell.



Figure 1. Beacon Bracket Kit.

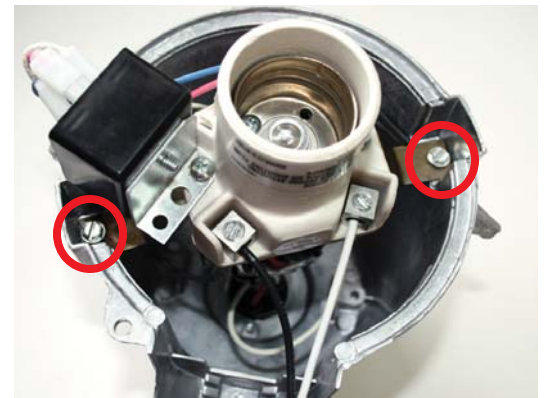


Figure 2. Remove the two screws that secure the socket, ballast and starter to the housing.

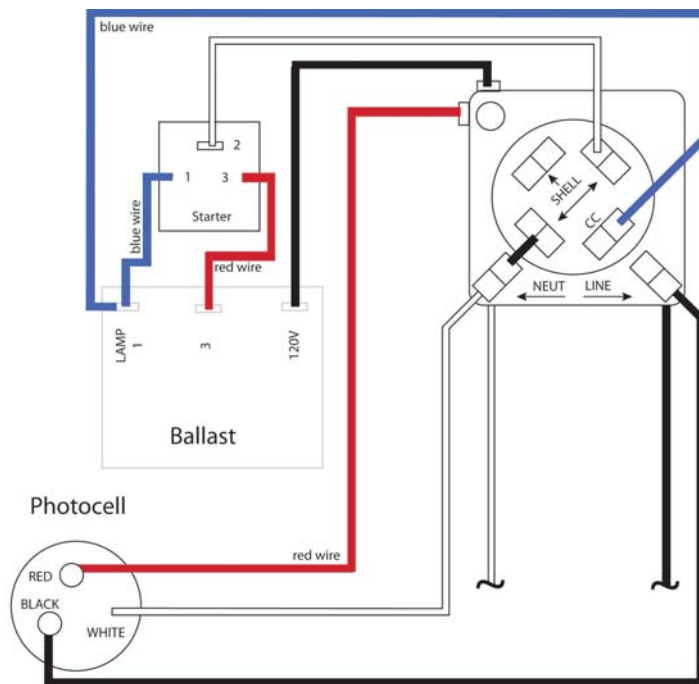


Figure 3. Wiring diagram for Cooper fixture as received from factory.

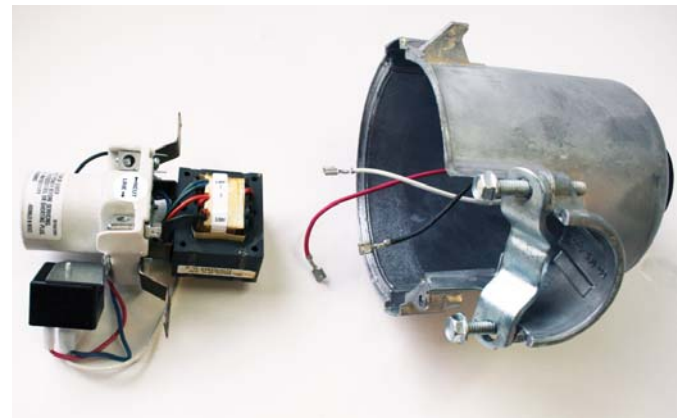


Figure 4. Socket, ballast and starter removed from the housing

3. Connect the three wires from the photocell to the socket. Connect the red wire to the base of the socket at the position labeled CC. Connect the white, or neutral, wire to a tab under the neutral terminal. Connect the black, or line, wire to a tab under the line terminal. The flat spade connectors on the 16 gauge wire should connect easily to the tabs on the base of the socket. Figure 5.

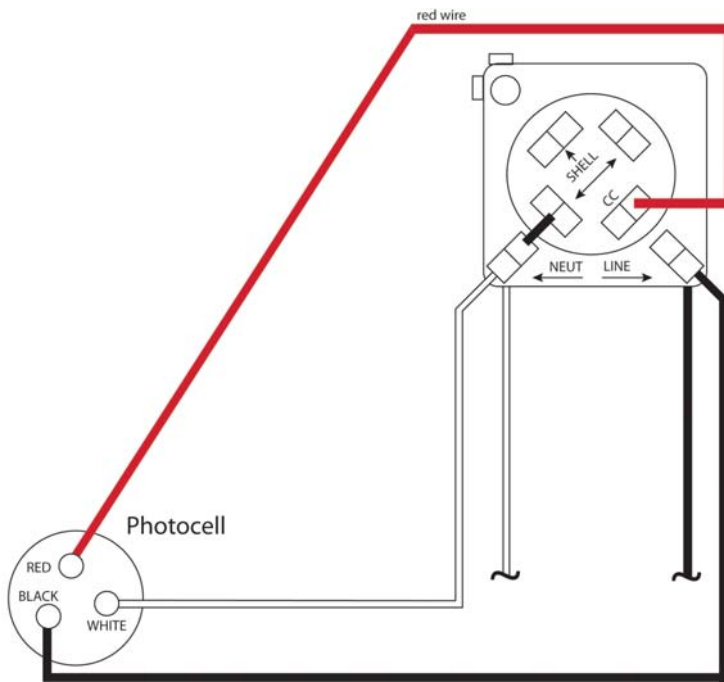


Figure 5. Wiring diagram for photocell and Bracket Kit socket.

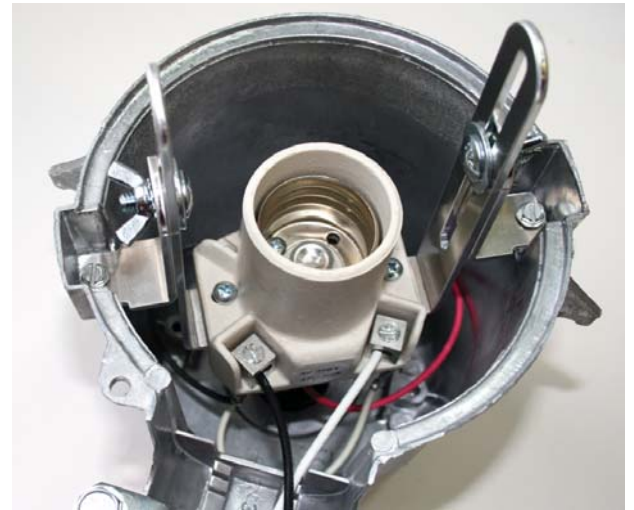


Figure 6. Bracket Kit installed.

4. Secure the new socket and bracket assembly to the housing. Reuse the two screws you removed in Step 1. Figure 6.

5. Reattach the reflector and screw in the Clearlight. Figure 7.



Figure 7. Reflector reattached. Clearlight installed

**Note:** Not all NEMA dusk-till-dawn area lights are wired the same, however a majority will adhere to this same basic layout. Installation instructions are based on a Cooper 100W HPS RMA10SR255PV 120v with 16 gauge wire. Evluma Clearlight 40W LED replacement lamp / luminaire (PN 83125148 or 46505625) is to be used with 50-175W Mercury Vapor or 70-150W High Pressure Sodium NEMA dusk-till-dawn fixtures ONLY. Loosen the wing nuts on the bracket to adjust the height of the luminaire within the fixture.