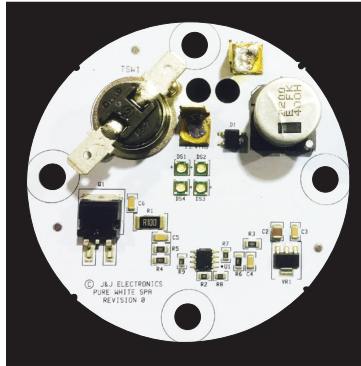


12V S1W Replacement PCB

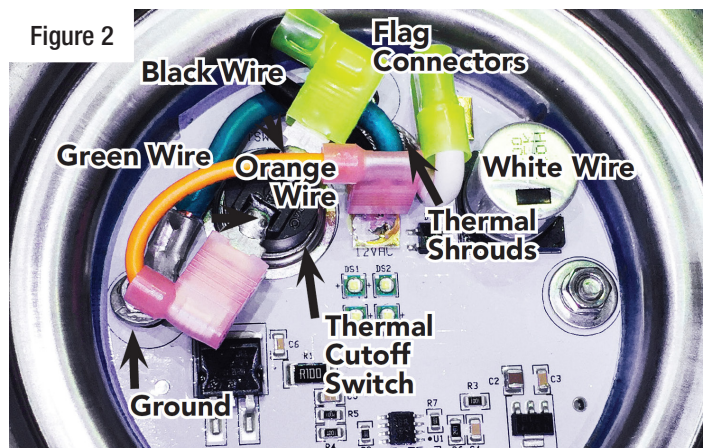


1. Place unit lens side down on a soft, cushioned surface (a towel, etc.). Failure to do so could result in damaging lens.
2. Remove and save the M5 assembly nuts (8) loosening one nut, then its opposing nut on the other side of the fixture until all nuts have been removed. Remove and save the M5 split lock washers (8) (See figure 1).
3. Lift the housing of the light off of the bezel/lens/gasket.
4. Turn the unit over and remove and save the M4 nuts (4) and washers (4) mounting the PCB to the housing.
5. Unplug the yellow flag style connectors. Be careful not to pull terminal from PCB board. Using a pair of snips, carefully cut the connectors off the white, and black wires so as to preserve wire length (See figure 2). DO NOT CUT the green wire.
6. Remove the green wire with ring connector from the PCB mounting stud (See figure 2).
7. Remove the PCB from the housing. Remove thermal pad from housing and any residue on PCB.
8. Slide out the two cut (black and white) wires and slide the green connector out from old PCB.
9. Install the new PCB, feeding the new black and wire into the hole and slide up the green wire. Approximately one half inch of fiberglass thermal shrouds around these wires

Figure 1



Figure 2



should also extend through the holes with the wires (as shown in figure 2).

10. Connect the new white and black wires to their existing corresponding wires with the provided wire connector (See figure 5).
11. Connect the new white and black wires with their yellow flag style connectors to the spade connectors on the PCB board (as seen in figure 4).
12. Install the M4 washers on the PCB mounting studs.
13. Connect the green ground wire ring connector to the PCB mounting stud.
14. Attach the short orange wire (jumper cable) with their existing connectors to the terminal cutoff switch and power in tab on the NEW PCB.
15. Install the M4 PCB mounting nuts and secure.
16. Place the lens/gasket assembly into the housing and then place the bezel on the housing so that the TOP of the bezel and countersunk mounting screw is above the capacitors (See figure 5 & 6).
17. Turn unit over and Install the M5 split lock washers (8) and M5 nuts (8) (it is recommended to also use a thread locking compound).
18. Tighten the M5 nuts to a torque of 18 lbs/in tightening one nut, then its opposing nut on the other side of the fixture until all ten are secure.

Figure 3

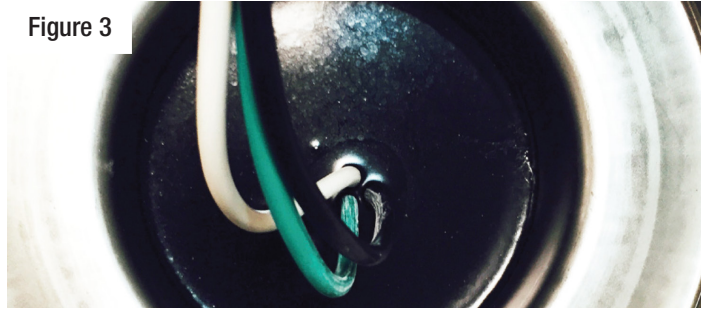


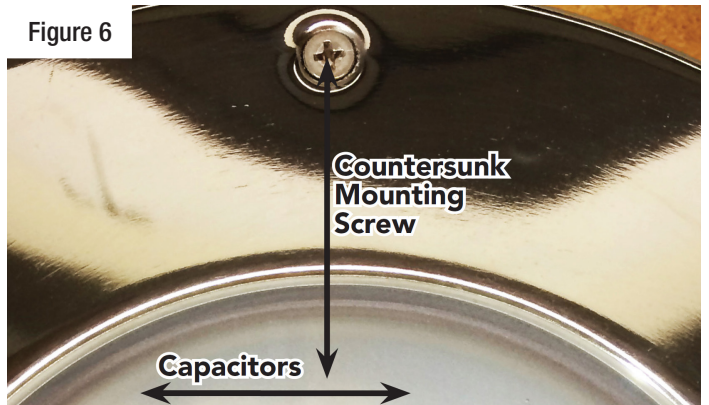
Figure 4



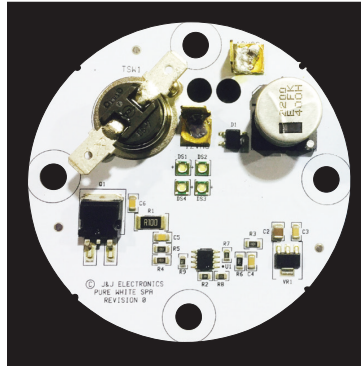
Figure 5



Figure 6



120V S1W Replacement PCB

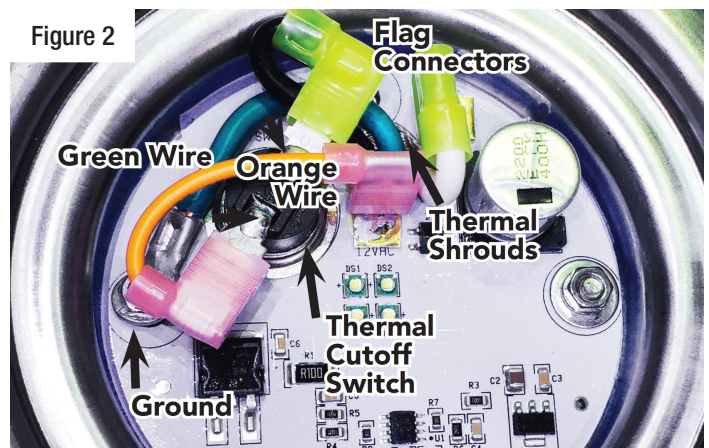


1. Place unit lens side down on a soft, cushioned surface (a towel, etc.). Failure to do so could result in damaging lens.
2. Remove and save the M5 assembly nuts (8) loosening one nut, then its opposing nut on the other side of the fixture until all nuts have been removed. Remove and save the M5 split lock washers (8) (See figure 1).
3. Lift the housing of the light off of the bezel/lens/gasket.
4. Turn the unit over and remove and save the M4 nuts (4) and washers (4) mounting the PCB to the housing.
5. Unplug the flag style connectors. Be careful not to pull terminal from PCB board. Using a pair of snips, carefully cut the connectors off the two yellow wires so as to preserve wire length (See figure 2). DO NOT CUT the green wire.
6. Remove the green wire with ring connector from the PCB mounting stud (See figure 2).
7. Remove the PCB from the housing. Remove thermal pad from housing and any residue on PCB.
8. Slide out the two cut (red) wires and slide the green connector out from old PCB.
9. Install the new PCB. Feed the new yellow wires into the hole and slide up the green wire. Approximately one half inch of fiberglass thermal shrouds around these wires should also extend through the holes with the wires (figure 2).

Figure 1



Figure 2



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10. Connect the new yellow wires to their existing corresponding wires with the provided wire connector (See figure 4).
11. Connect the new yellow wires with their flag style connectors to the spade connectors on the PCB board (as seen in figure 2).
12. Install the M4 washers on the PCB mounting studs.
13. Connect the green ground wire ring connector to the PCB mounting stud.
14. Attach the short orange wire (jumper cable) with their existing connectors to the terminal cutoff switch and power in tab on the NEW PCB.
15. Install the M4 PCB mounting nuts and secure.
16. Place the lens/gasket assembly into the housing and then place the bezel on the housing so that the TOP of the bezel and countersunk mounting screw is above the capacitors (See figure 5 & 6).
17. Turn unit over and Install the M5 split lock washers (8) and M5 nuts (8) (it is recommended to also use a thread locking compound).
18. Tighten the M5 nuts to a torque of 18 lbs/in tightening one nut, then its opposing nut on the other side of the fixture until all ten are secure.

Figure 3



Figure 4



Figure 5



Figure 6

