

# UVCS Conveyor with BlueWave® LED Flood Arrays Retrofit Kit Assembly Instructions (4 Arrays)

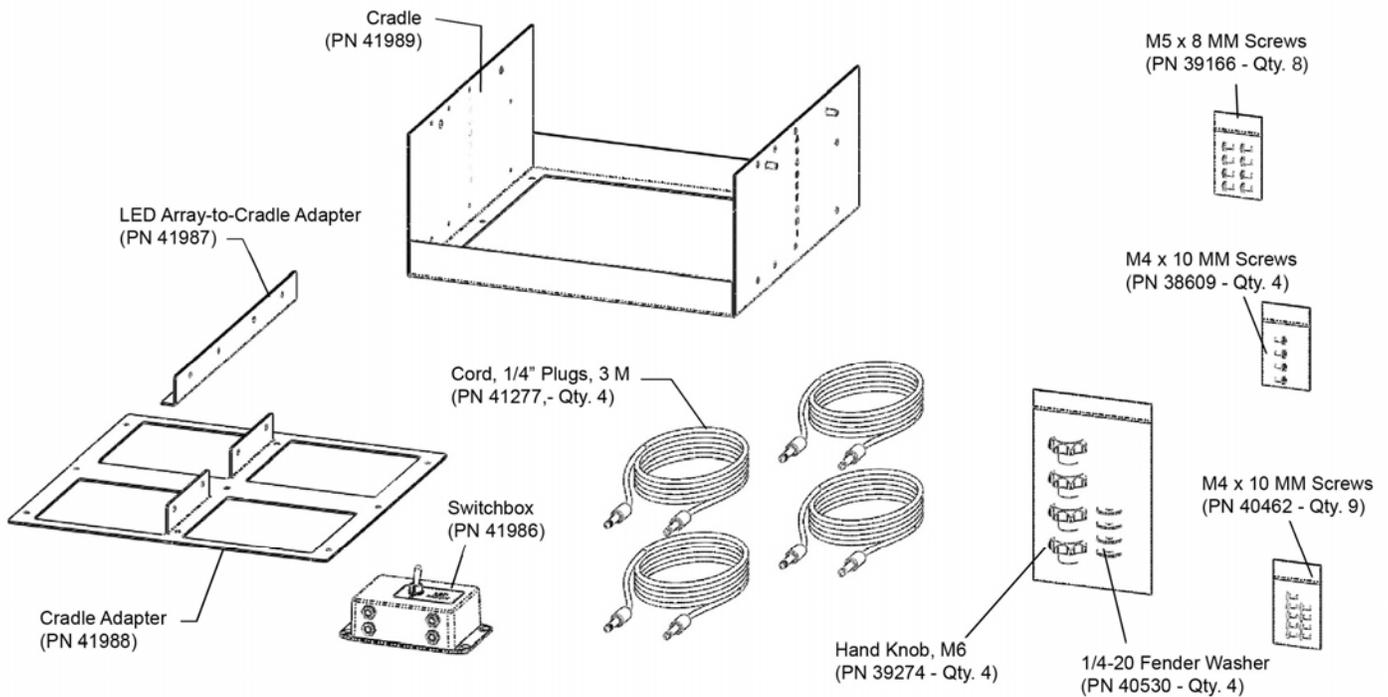


Figure 1. Retrofit Kit Parts

- Tools Needed:**
- #2 Philip head screwdriver
  - Safety glasses

**IMPORTANT!** Safety glasses must be worn at all times during this assembly.

## Disassembly of the Reflector and Conveyor Cradle Assembly (if necessary)

*NOTE: Disassembly is only necessary if you are converting an existing UVCS Conveyor from EC or ECE Flood Lamps to BlueWave® LED Floods.*

1. Verify that the Conveyor's Main Power Switch is turned off and then unplug the Power Cord from the wall outlet.
2. Remove the Reflector Assembly(s) from the Conveyor Cradle (Figure 2).
3. Loosen the Conveyor's four Hand Knobs and remove the Cradle Assembly (Figure 3).

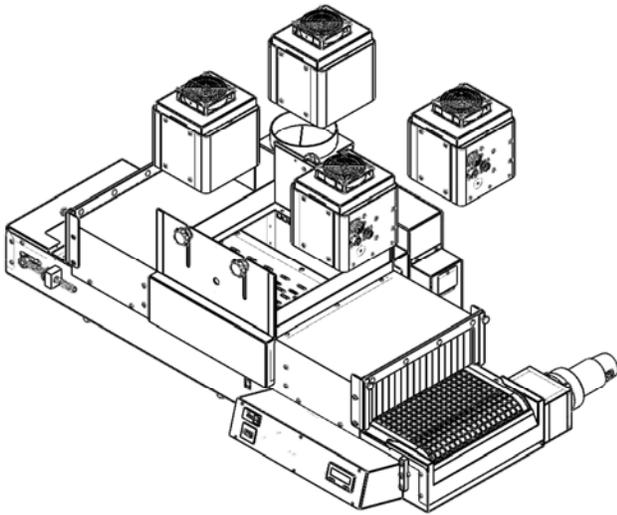


Figure 2. Remove Reflectors

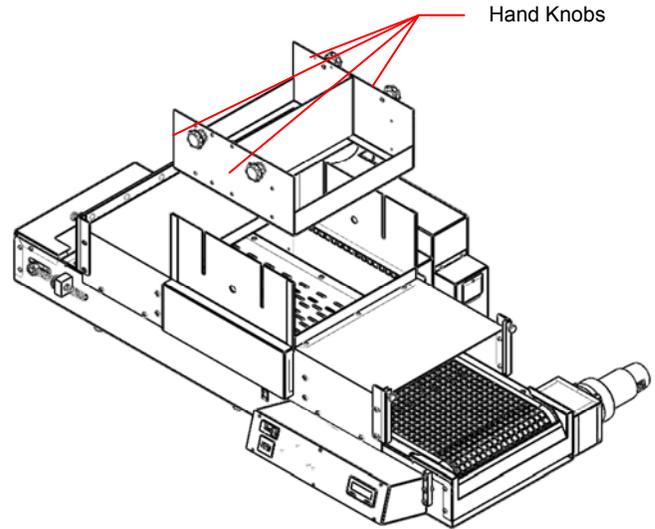


Figure 3. Loosen Hand Knobs and Remove Conveyor Cradle

4. If you are using a Cradle Partition and/or Cradle Plate, remove the existing Cradle Partition and Cradle Plate from the Conveyor Cradle by removing all screws (provided Hex Wrench may be used) (Figure 4).

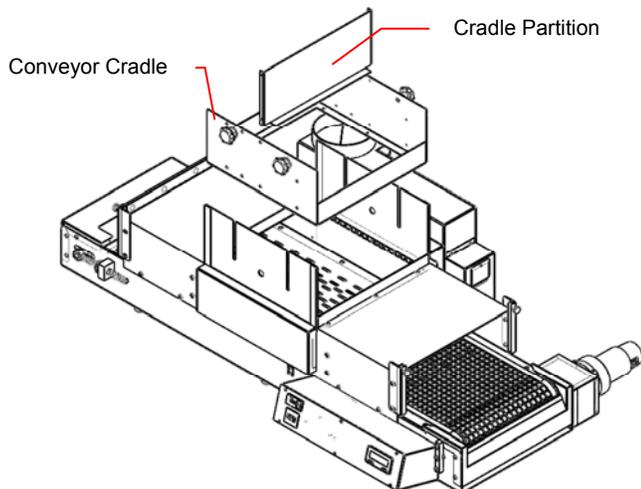


Figure 4. Remove Cradle Partition

# Assembly Instructions

1. Attach the Cradle Adapter (41988) to the Cradle (41989) using six M4 x 10-mm screws (40462), as shown in Figures 5 & 6.

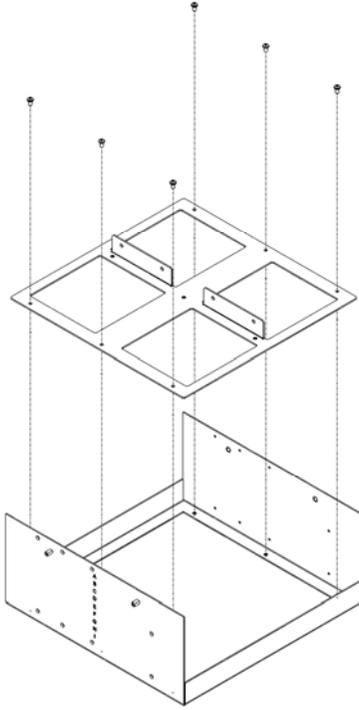


Figure 5. Attach the Cradle Adapter (41988) to Cradle (41989)

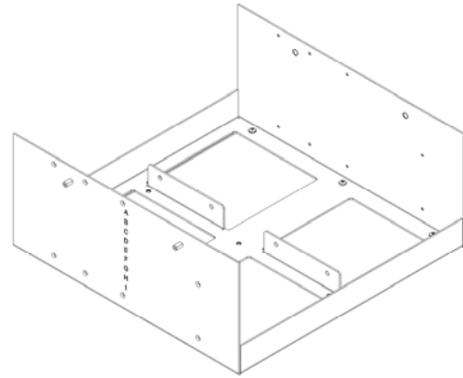


Figure 6. Cradle/Cradle Adapter Assembly

2. Mount the first two LED Arrays into the Cradle assembly using four M5 x 8-mm screws (39166), as shown in Figure 7.

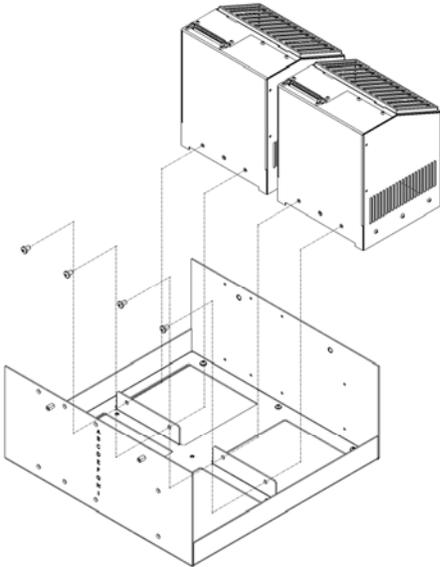


Figure 7. Mount LED Arrays in Cradle with M5 x 8-mm Screws

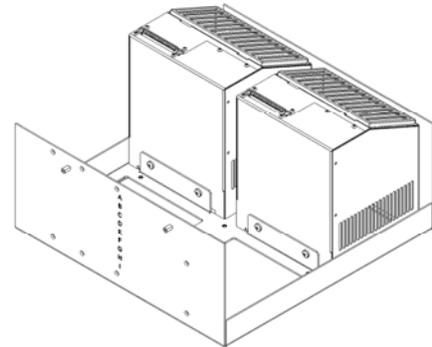


Figure 8. First Two LED Arrays Mounted in Cradle

3. Mount the LED Array-to-Cradle Adapter (41987) to the two remaining Arrays using four M5 x 8-mm screws (39166) (Figure 9).
4. Secure the LED Array-to-Cradle Adapter assembly to the Cradle assembly with the remaining three M4 x 10-mm screws (40462), as shown in Figure 10.

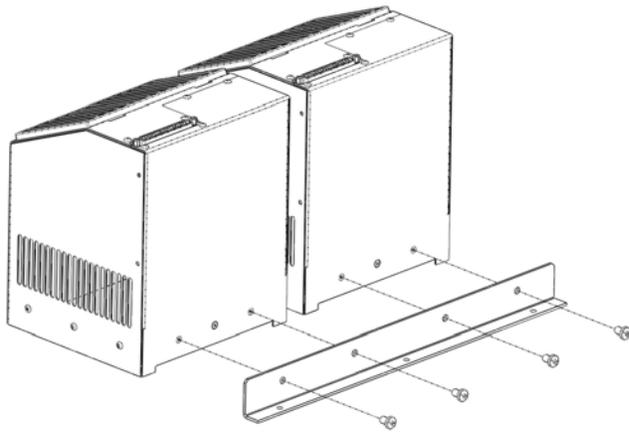


Figure 9. Mount Remaining Arrays on Cradel Adapter

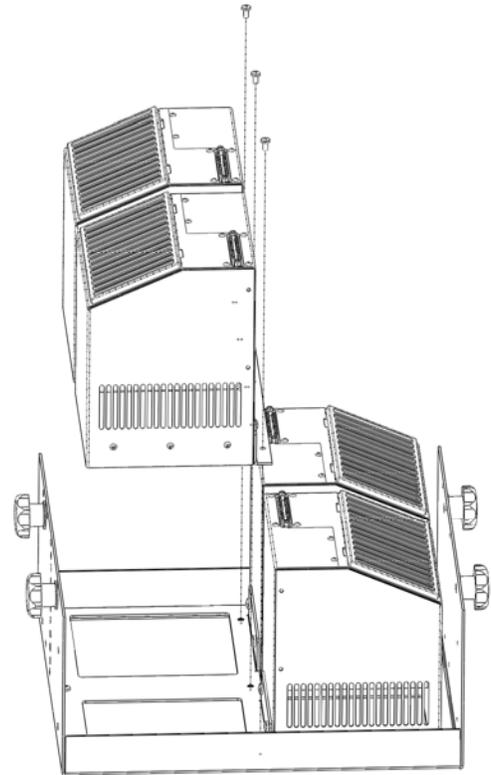


Figure 10. Install Cradle Adapter Plates, In-Line Position

5. Loosely install the Hand Knobs (39274) and Washers (40530) onto the Cradle assembly, as shown in Figure 7.

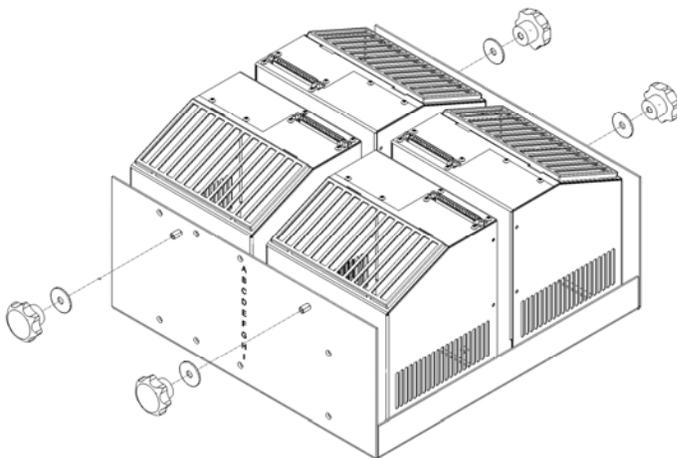


Figure 11. Loosely Install Hand Knobs and Washers on Cradle

6. Place the Cradle Assembly into the Conveyor. The Hand Knobs will slide into the four slots on the top of the Conveyor. The Hand Knobs and Washers should be on the outside of the Conveyor, as shown in Figure 8.

**CAUTION!** The full assembly weighs more than 20 lbs. Exercise caution when lifting and placing the assembly into the conveyor.

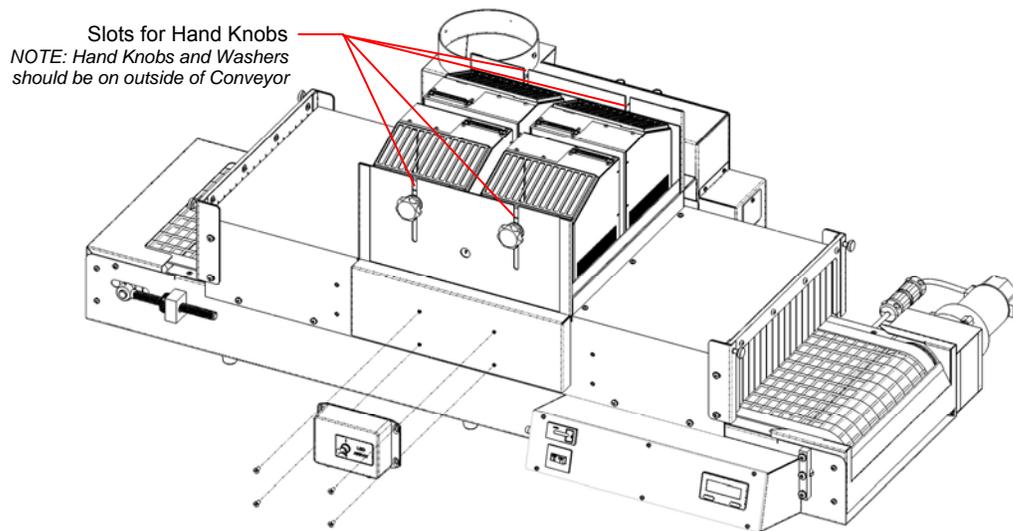


Figure 12. Install Cradle and Switchbox

7. The Switchbox (41986) may be used in place of the LED Flood Array Foot Switch. This provides continuous operation of the LED. The Switchbox comes with four 9.8 ft [3 M] long cords (41277) so that it may be located anywhere that is appropriate for the application. Four M4 x 10 screws (38609) and mounting holes are provided, as shown in Figure 8, if mounting is desired. One end of the cords are plugged into the Switchbox and the other is connected to the Foot Switch Jacks on the rear of the LED Flood Power Supply.
8. Read and follow user guide for installation and start-up procedure.



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