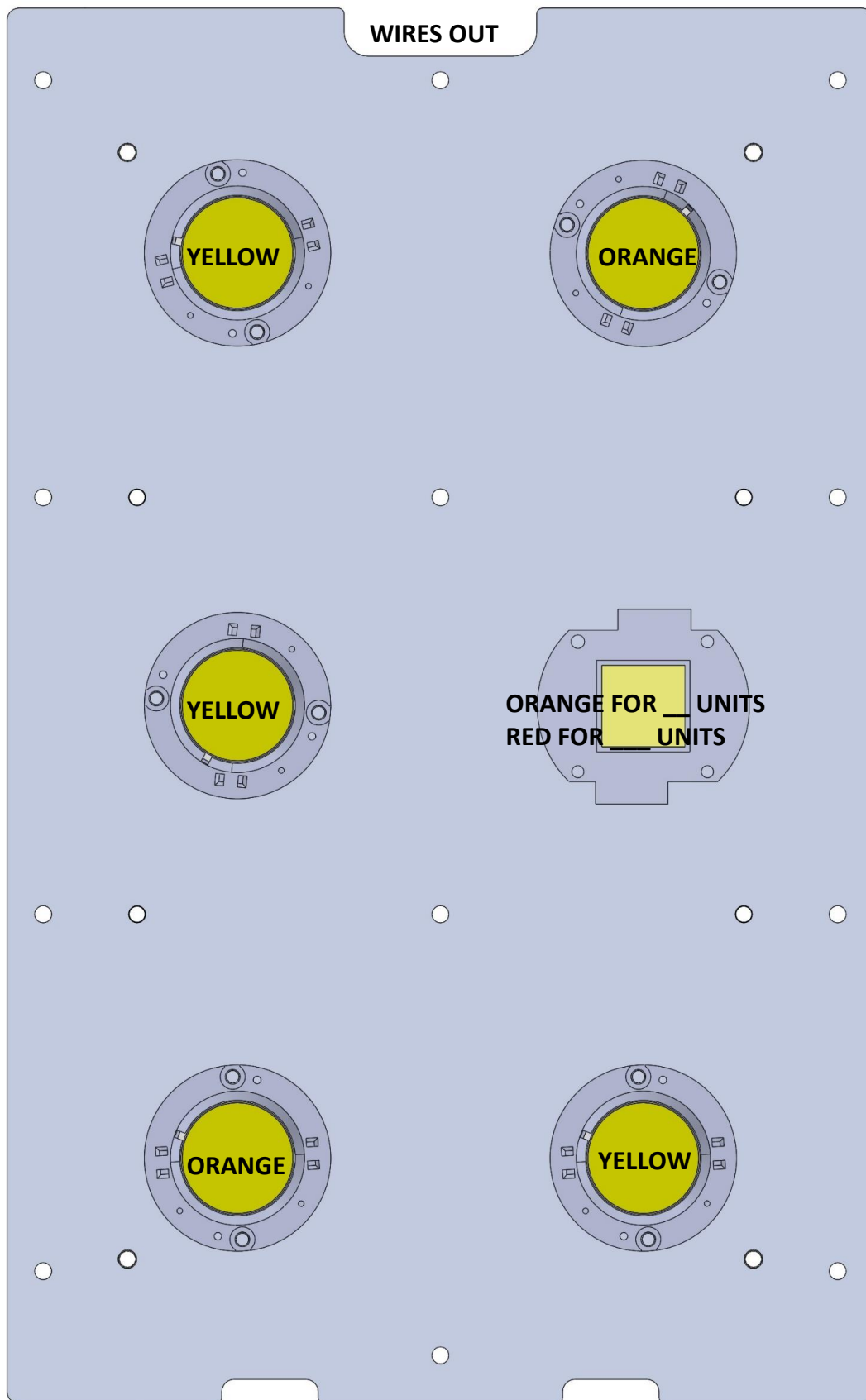


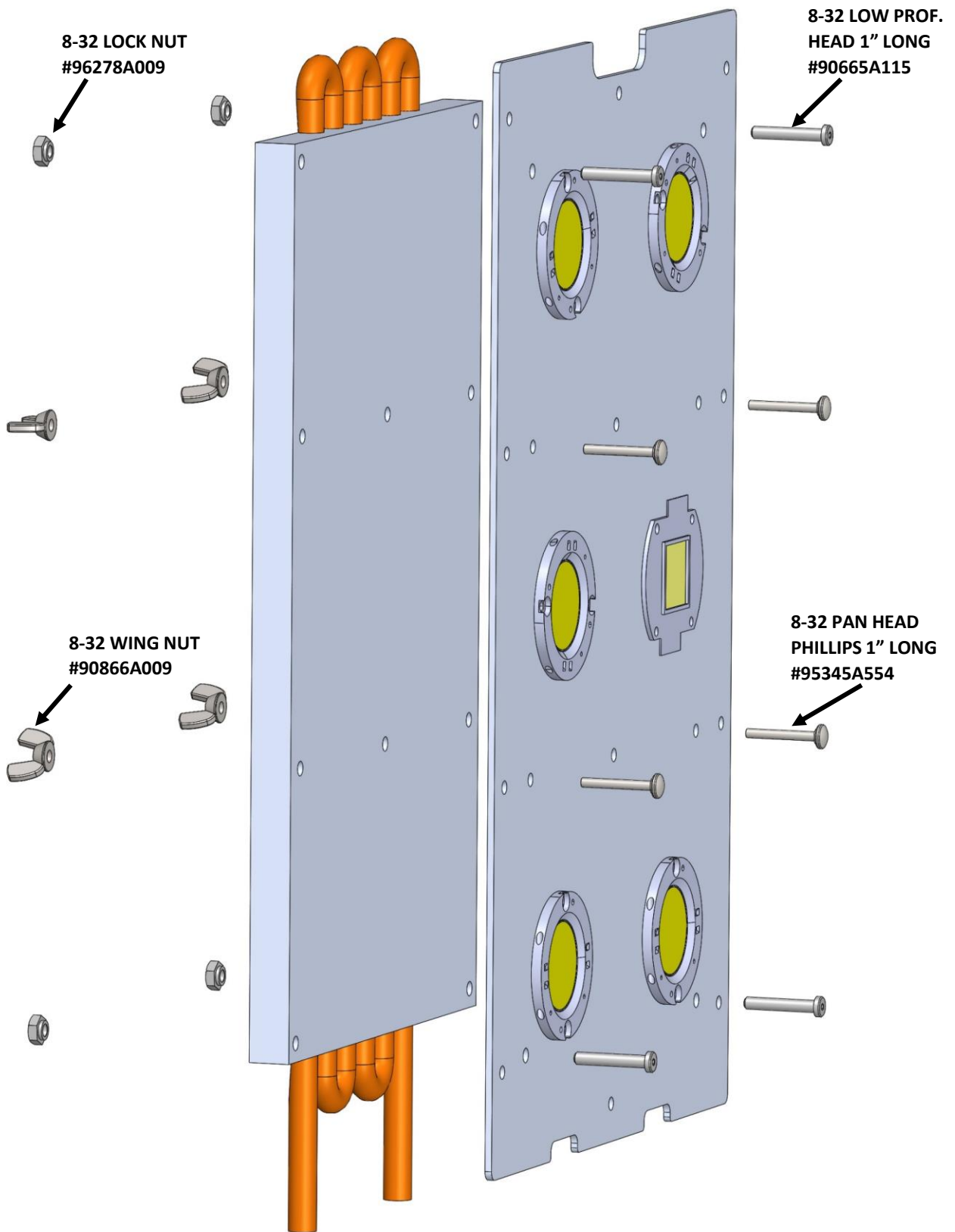
LHC-300 MECHANICAL LIGHT ASSEMBLY INSTRUCTIONS

OpenAg, MIT Media Lab

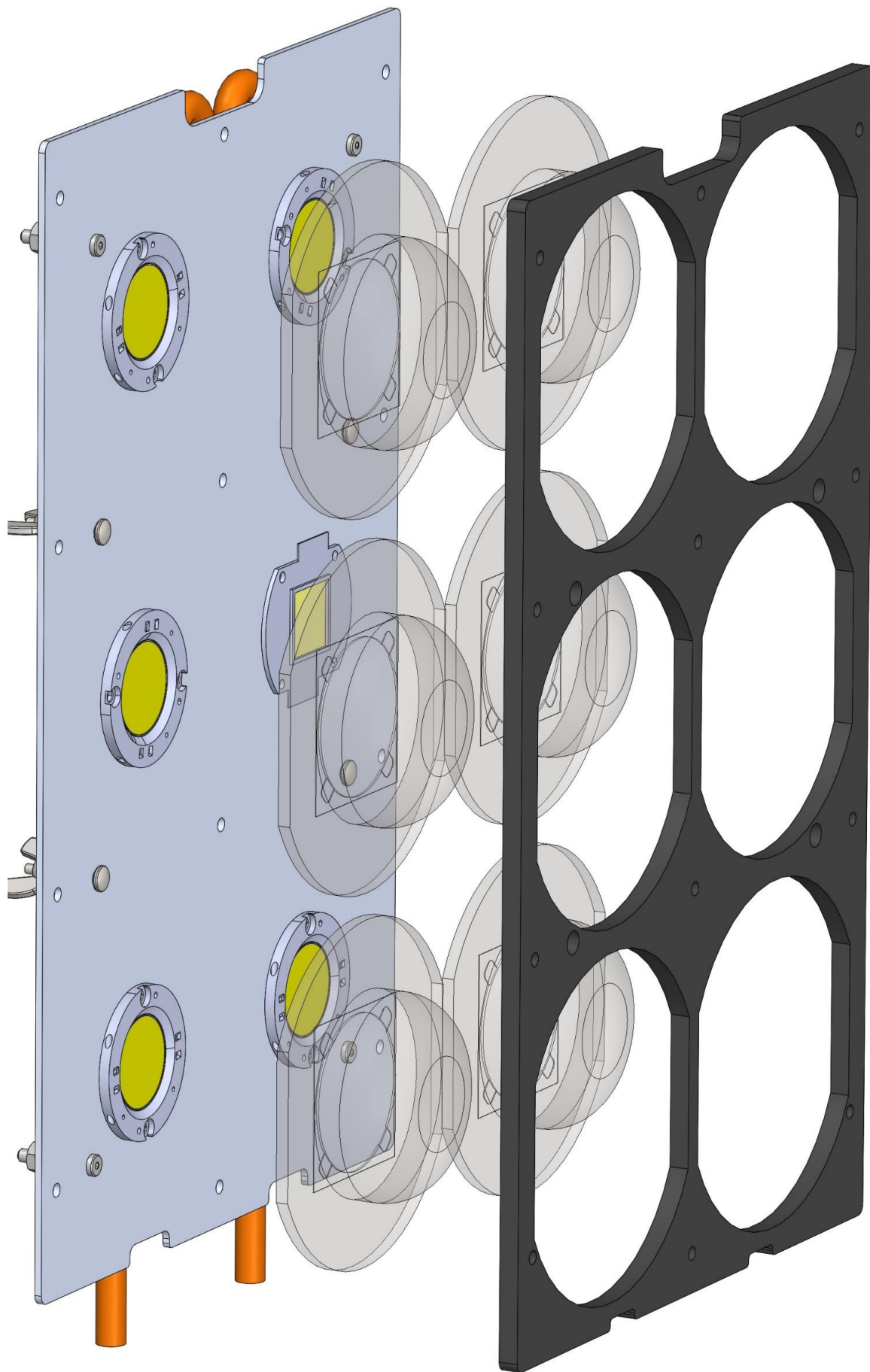
By Eugene Zeleny
May 6th, 2019



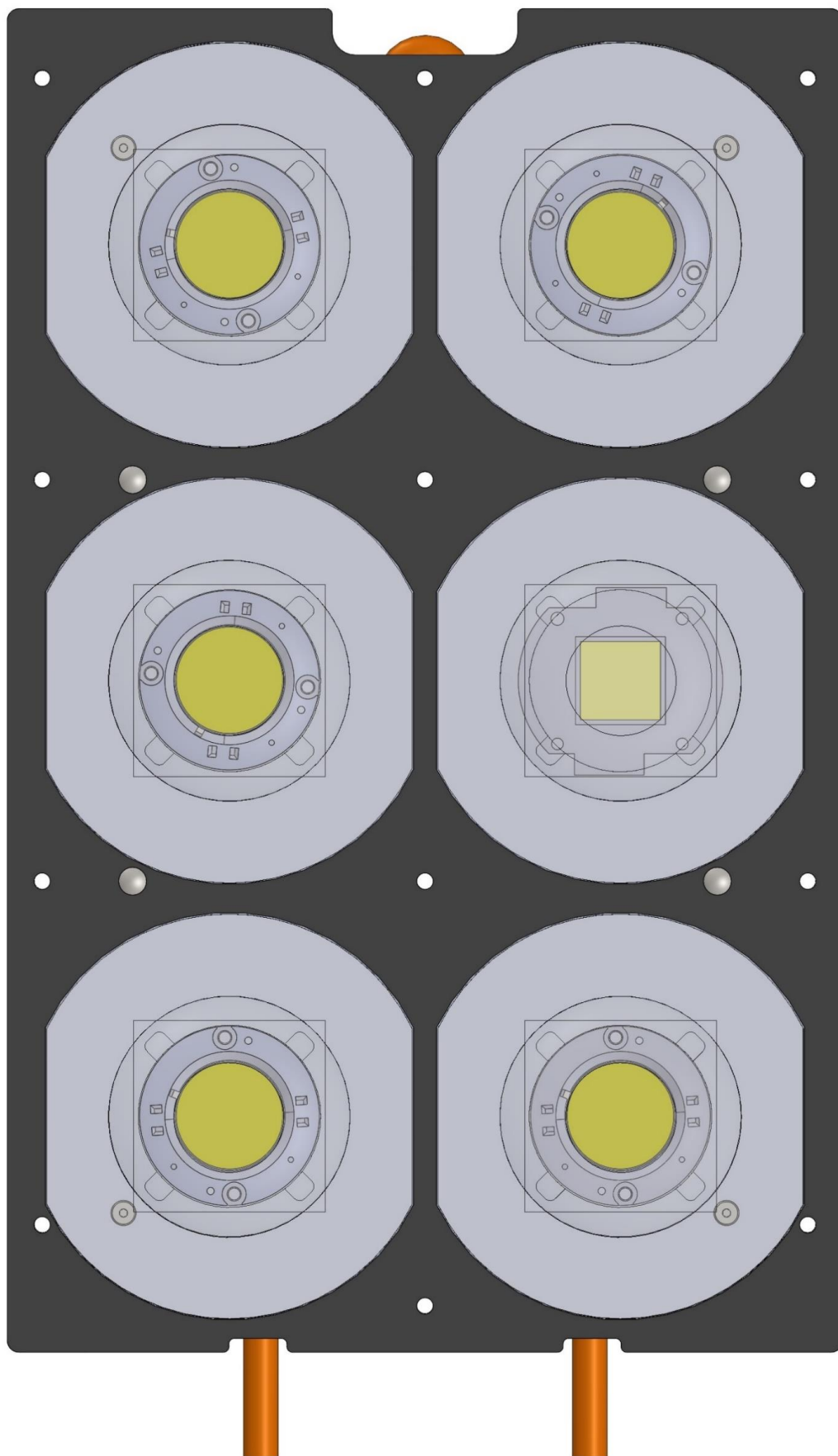
- Attach the LEDs in place on the aluminum plate using the acrylic LED alignment fixture
- Attach wires to LEDs, tape them down to aluminum plate so that the wires come out the “WIRES OUT” end of the plate



- Apply thermal grease to mating surface of heat sink
- Attach heat sink to aluminum plate with indicated hardware



- Position clear optics over each LED and position foam gasket over the optics, using the notched indicators for alignment



- This is what the assembly should look like at this point

8-32 LOCK NUT
#96278A009

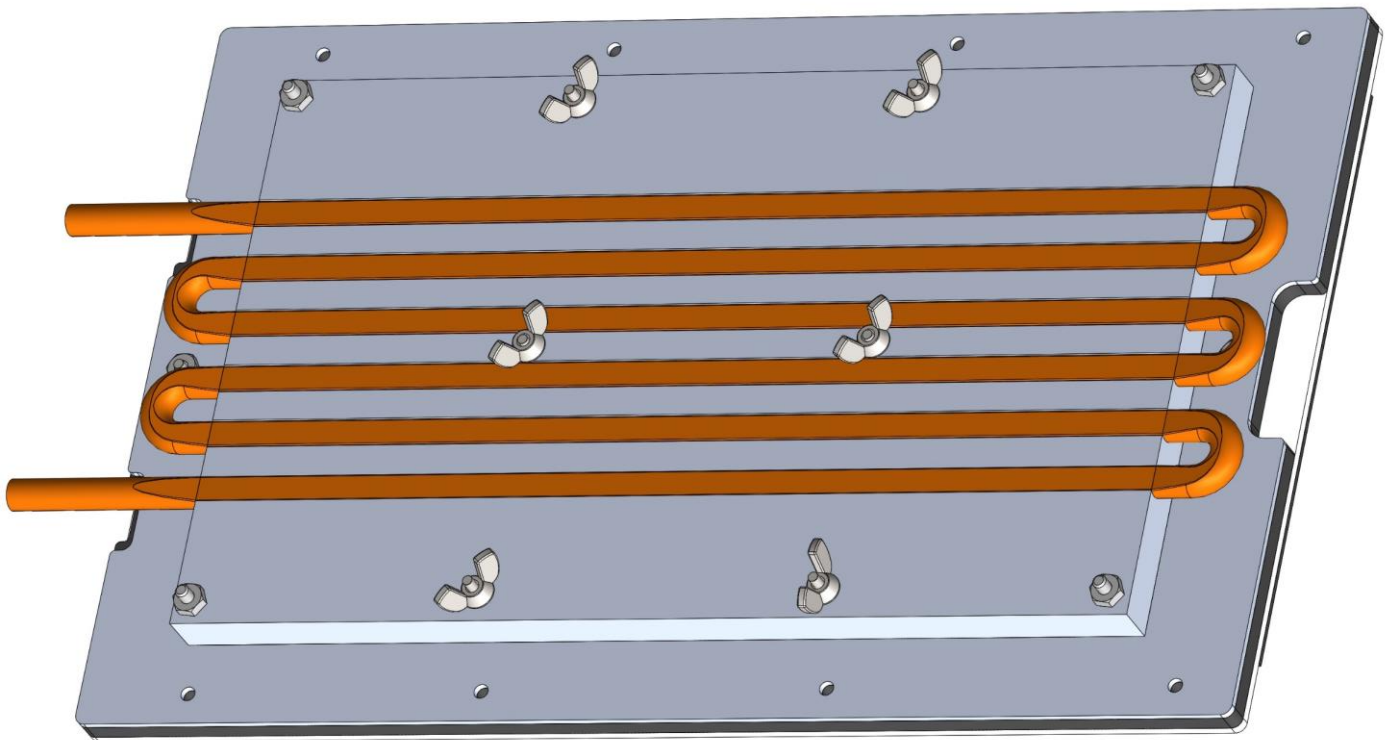
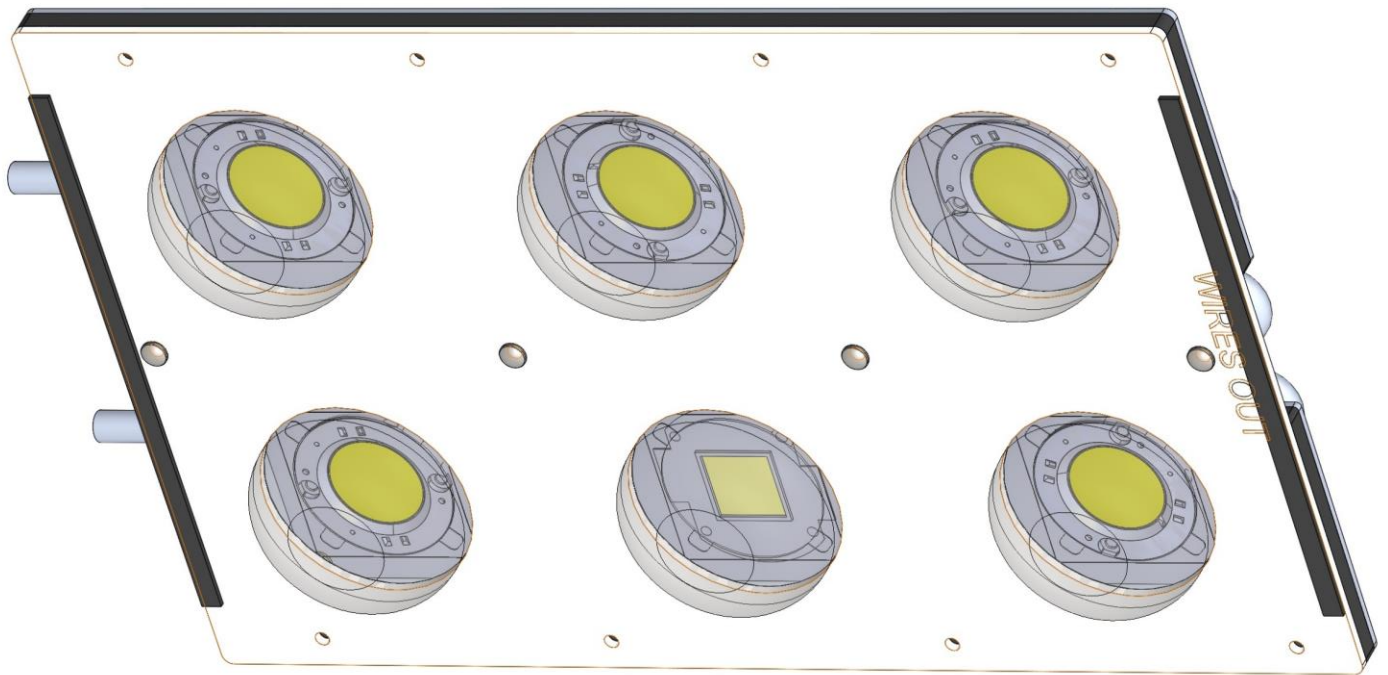
8-32 WING
NUT
#90866A009

8-32 PAN
HEAD PHILLIPS
3/4" LONG
#95345A548

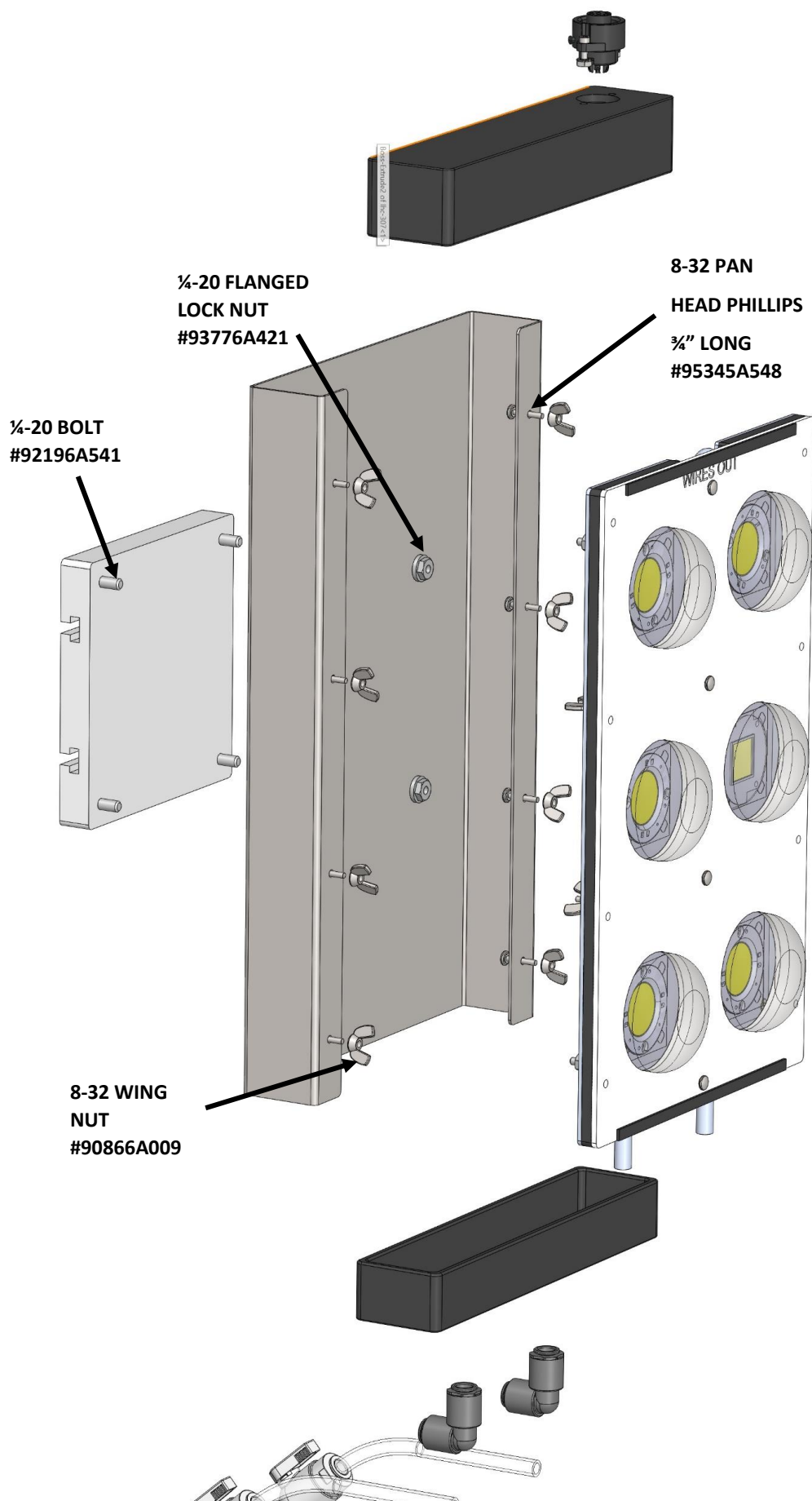
8-32 PAN HEAD
PHILLIPS 1.25" LONG
#95345A555

1/4" WIDE, 1/16" THICK
FOAM,
7.25" LONG
#8694K111

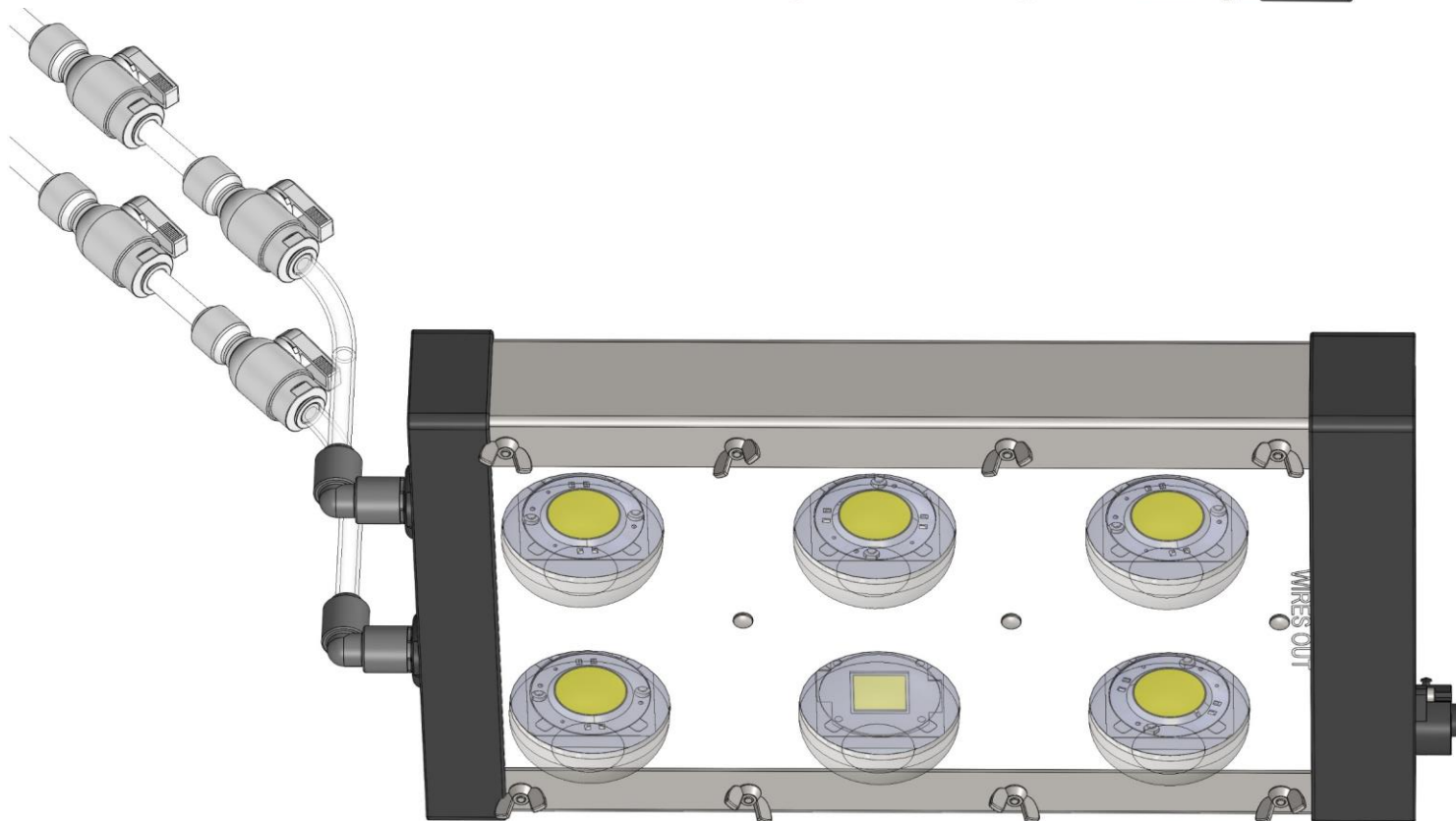
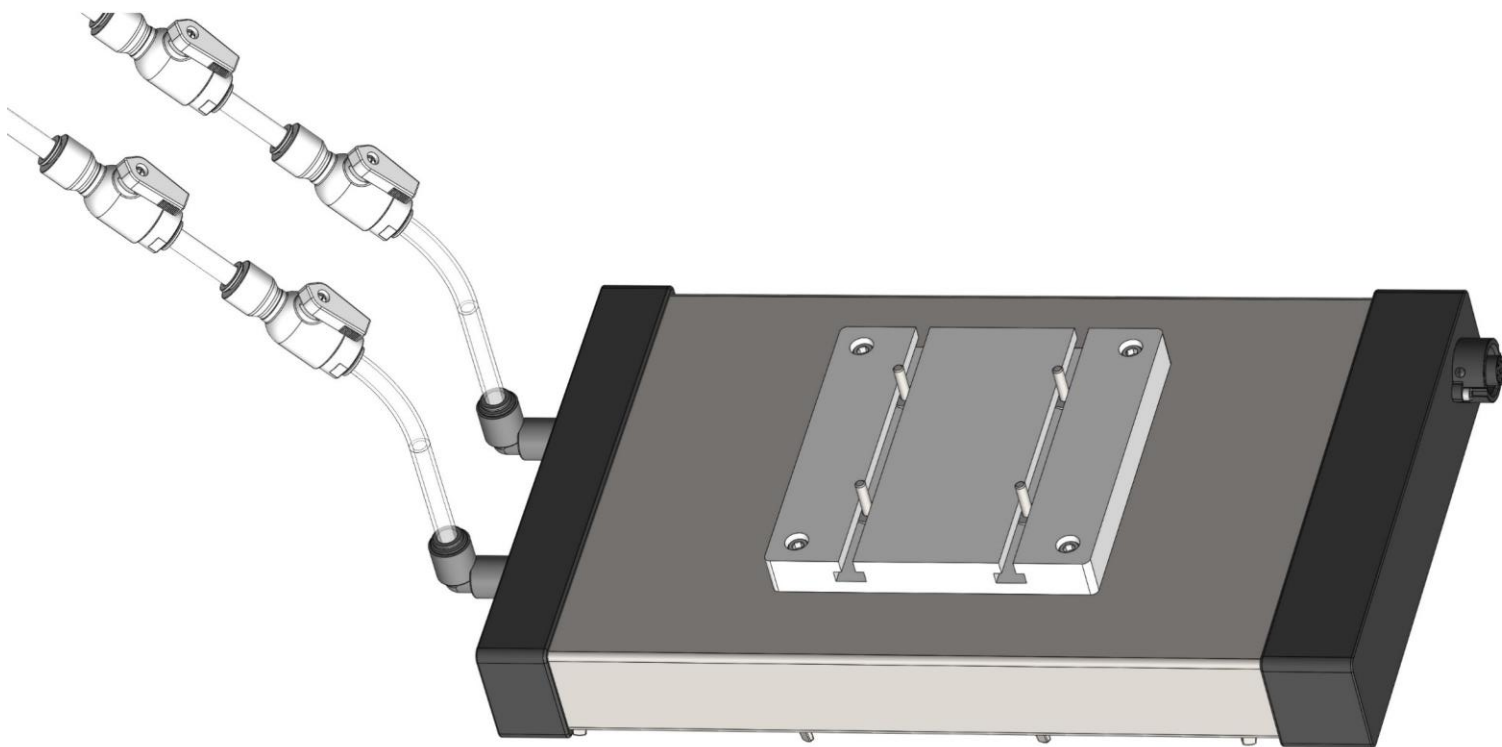
- Attach 1/16th foam strip as shown, centered on plastic cover plate
- Attach plastic cover plate to assembly with indicated hardware



- This is what the assembly should look like at this point



- Attach the Mounting Arm Adapter Plate to the sheet metal enclosure with the indicated hardware.
- Attach the light assembly "sandwich" to the sheet metal enclosure with the indicated hardware



- Slip the top and bottom end-caps onto the assembly.
- Attach the fluidic connectors to the brass tubing, and fluidic valves to the pre-cut tubing, as shown.