Juganu

Understand your space
like it's digital

Tulip

Installation Manual

Contents

Safety Information

READ AND FOLLOW ALL INCLUDED SAFETY INSTRUCTIONS.

⚠️ To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards.

These safety instructions may not possibly cover all details or variations in equipment nor to provide every possible contingency during installation, operation, or maintenance.

NEVER rewire, reconfigure, or modify the device or attempt any repairs yourself. For conditions or problems that are not covered sufficiently for the purchaser's or owner's purposes, **please consult with Juganu's Customer Service**. Juganu has the right to decline provision of after-sales service if repair/maintenance was carried out by an entity that is not licensed/certified for its products.

Installation must be performed by a certified licensed electrician in accordance with local law.

⚠️ **WARNING – RISK OF ELECTRIC SHOCK**

- Make sure the AC power grid functions properly – otherwise, damage may occur to the internal driver.
- Verify that the supply voltage is correct (as specified on the device's information label).
- Always turn the device off or disconnect it from power before installing or servicing.
- Use only cables and connectors supplied by Juganu.

⚠️ **CAUTION: RISK OF PRODUCT DAMAGE**

- Visually inspect the device for visible cracks, missing screws, or exposed electrical components. **DO NOT INSTALL A DAMAGED PRODUCT!**
- Ensure that the installation surface is suitable for connecting and supporting the device.
- Do not connect components under load.
- Do not use electric power tools to tighten the screws.
- Do not remove the label from the device.
- Leave some airspace around device. Avoid covering device with insulation, foam, or other material that can cause overheating.
- Do not operate the device outside the ambient temperature range (-40°C ÷ +60°C / -40°F - 140°F).
- Keep the device away from extreme heat sources or flames.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during installation.
- Do not touch sensor module lenses with fingers. If cleaning is necessary, use a clean cloth with a bit of ethanol and wipe them gently.

Before You Install

This guide shows how to install the Juganu Tulip fixtures on various mounting surfaces.

Package Contents

The Tulip shipping box contains the Tulip device and other accessories needed for installation. The device is packaged separately from the various mounting kits.

Verify that you have received the following items. If any item is missing or damaged, do not proceed with the installation. Contact your Juganu representative.
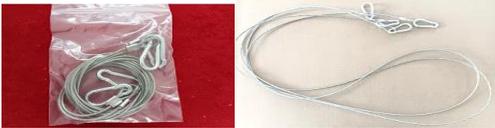
Tulip Fixture Packages

☐ Tulip Type A1, A2	☐ Tulip Type B	☐ Tulip Type C
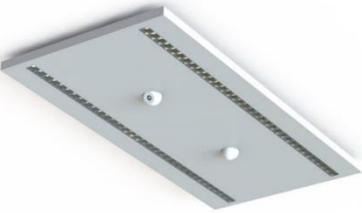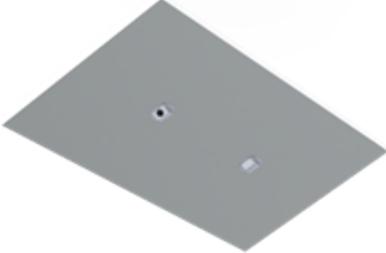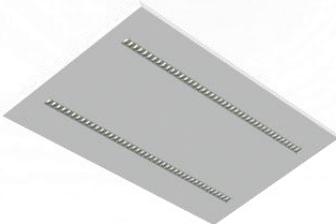
For each fixture, a corresponding mounting kit is supplied:

- Recessed Mounting Kit
- Surface Mounting Kit
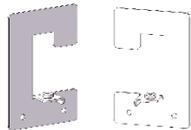- Bar Mounting Kit

Recessed Mounting Kit

☐ Set of hanging ropes	

Surface Mounting Kit

☐ Two width-side mounting brackets	
☐ Two length-side mounting brackets	
☐ Two width-side plastic plates	
☐ Two length-side plastic plates	

☐ Twenty-five (25) countersunk flat tail screws	
☐ Thirteen (13) pan head flat tail screws	
☐ Four (4) ST3.5 tapping screws	
☐ Set of hanging ropes	
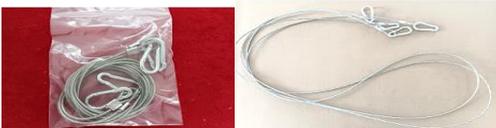
Bar Mounting Kit

☐ Two (2) crossing mounting brackets	
☐ Two (2) lengthwise brackets	
☐ Two (2) hanging boards (left and right)	
☐ Eight (8) pan head screws	
☐ Four (4) inner hexagon cylindrical-head screws	
☐ Two (2) M6 knob screws	
☐ Set of hanging ropes	
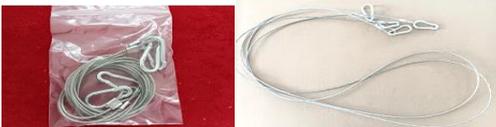
Installation – Recessed Mounting

Note - Ensure that the ceiling material is plaster or another hard material.

1. Fasten the two hanging ropes diagonally onto the two triangle hangers.
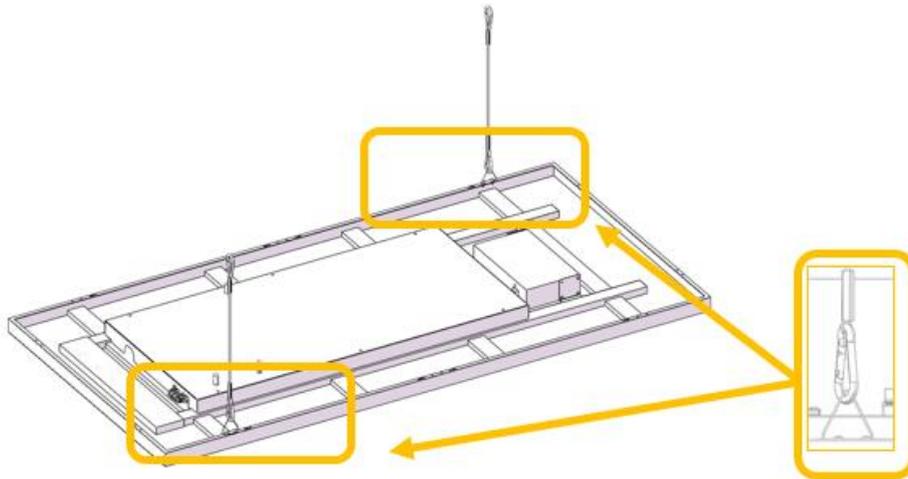
2. Open a ceiling slot into which the fixture can fit. Insert the fixture obliquely downward into the opening slot of the ceiling, and place it above the opening slot.

3. Secure the other ends of the two hanging ropes to the immovable structural parts of the ceiling respectively (verify that the structural parts have sufficient tensile strength).
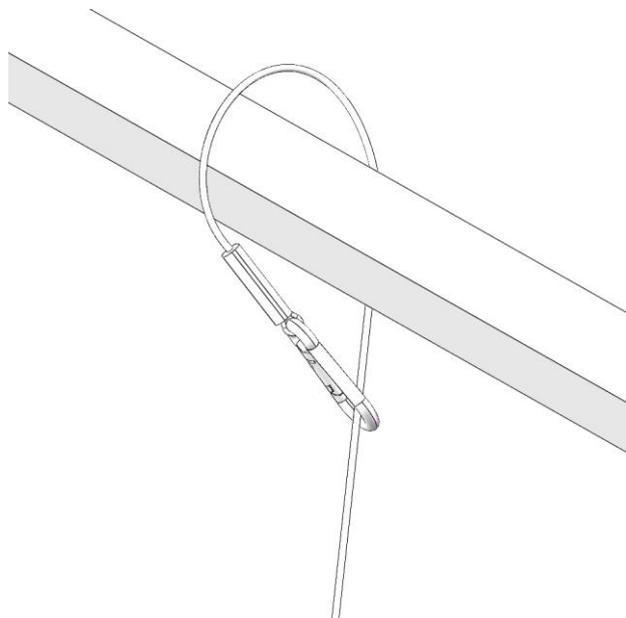
⚠️ **Warning - Ensure that the AC electrical power is turned off.**

NOTE – For installations of Type A2 connected to Type B, skip steps 4 and 5 (only RJ-45 connection required).

4. Thread the input AC cable through the nylon cable tie.
   Pull up the three handles of the quick-connect terminal on the panel.
   Insert the wires into the terminal block by raising the relevant lever and then clamping down on the wires (Ground to yellow, Neutral to blue, Live to red).

5. Gently pull the 3 wires to verify that the wires are securely in place.
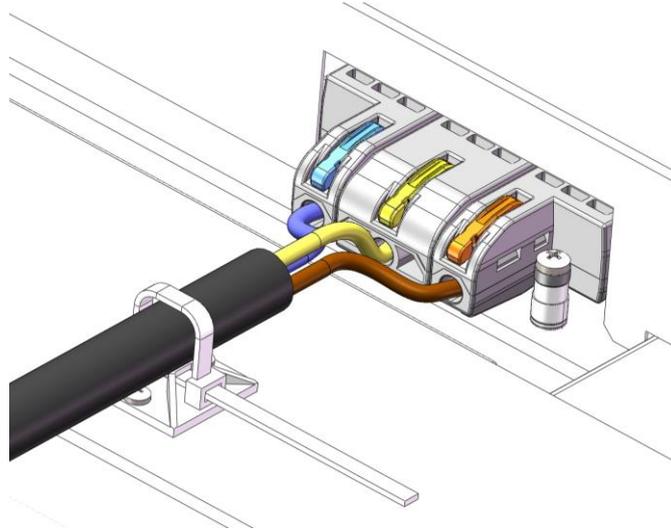
6. Press the panel to its position directly above the opening slot, ensuring that it's centered within the slot, to complete the installation.
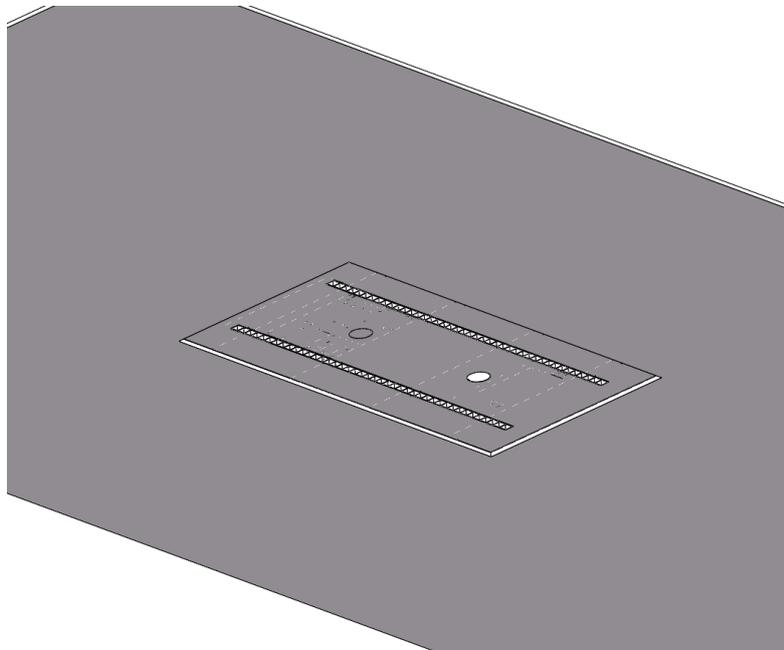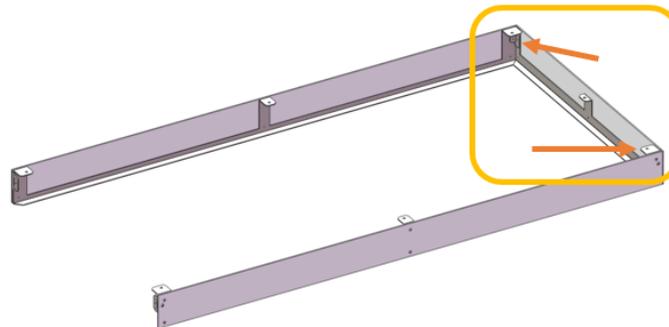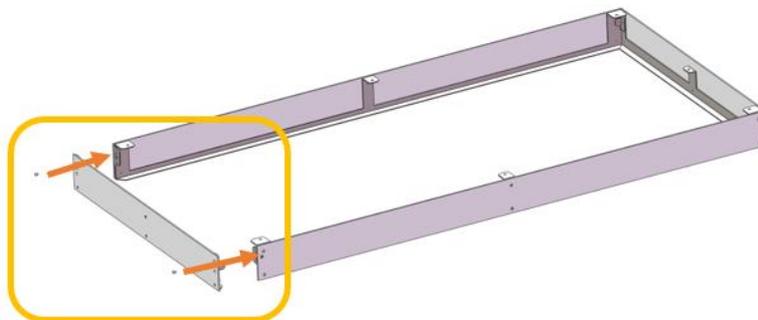
Installation – Surface Mounting

1. This installation kit includes four plastic plates and four sheet metal brackets.
   Attach each plate to a corresponding bracket, using six (6) countersunk screws for each plate/bracket pair.
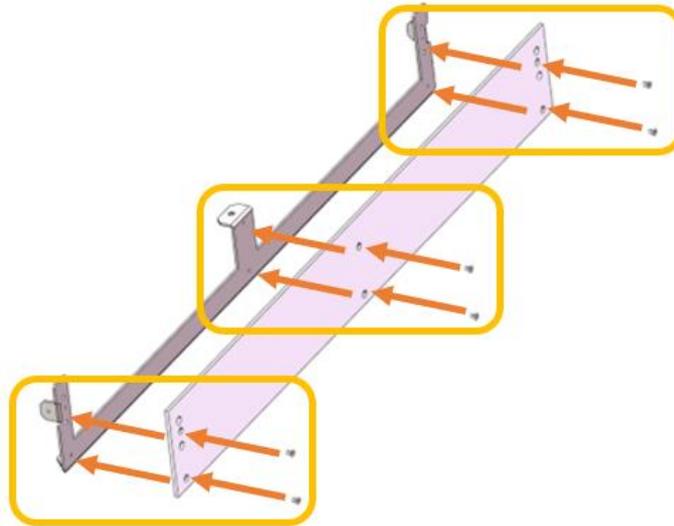

2. Assemble three plate/bracket pairs to each other using the pan head screws.

3. Attach the fourth plate/bracket pair to the others using four pan head screws, therefore assembling a complete frame for the fixture.

4. Place the frame up to the intended installation location on the target surface, with the mounting holes touching the surface. Mark the holes' positions with a marking utensil. Remove the frame away from the surface.
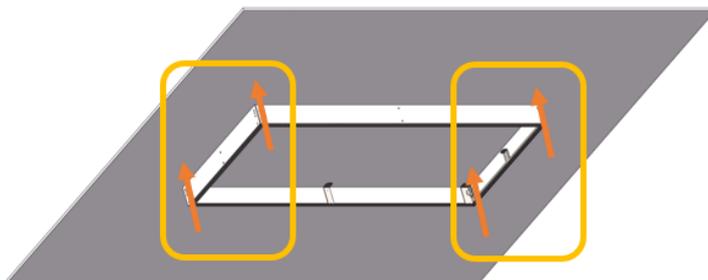

5. Drill holes at the marked positions. Then, insert the butterfly expansion anchors into the holes. (Alternatively, insert the self-tapping screws directly through the metal support structure above the drywall surface and skip step 6.)
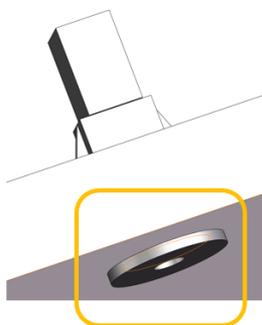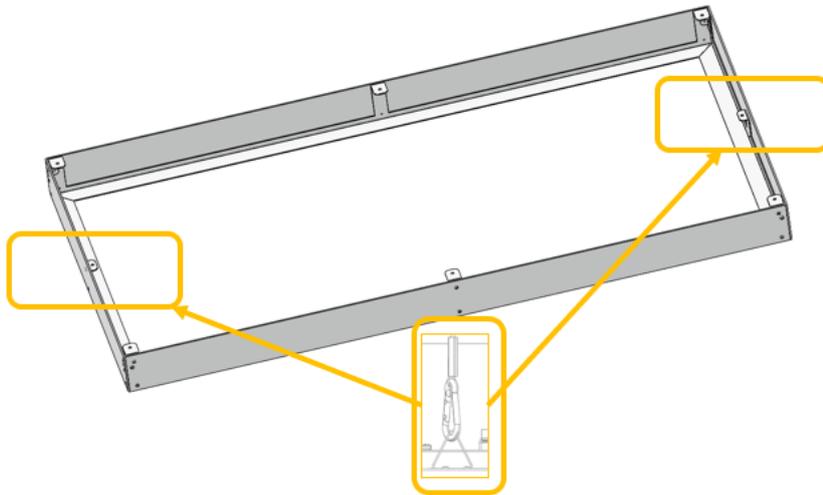

6. To fasten the frame to the surface, insert the self-tapping screws through the frame's mounting holes and then into the expansion anchors.
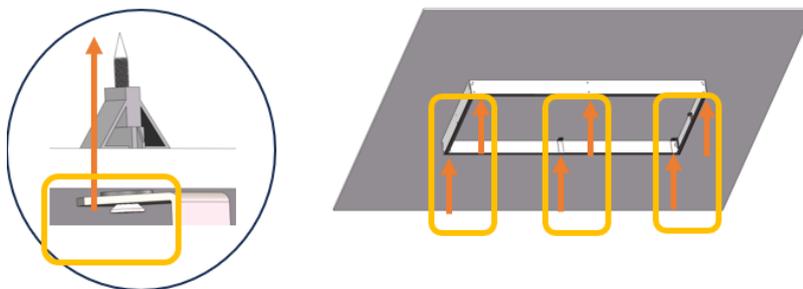

7. Remove the fourth plate/bracket pair (which you attached in step 3).
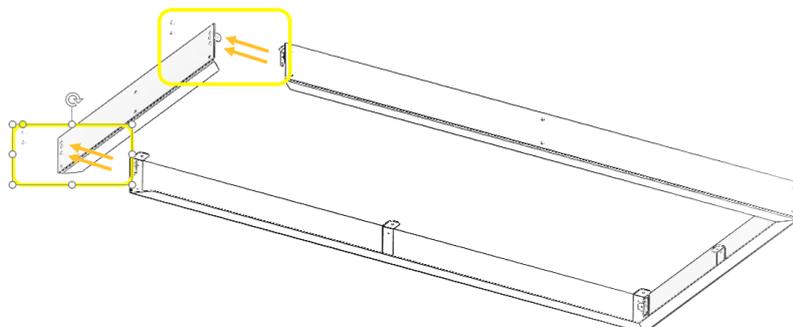
8. To secure the fixture to the room's structural ceiling, fasten the two hanging ropes diagonally onto the two triangle hangers on the top side of the fixture.

9. Secure the other ends of the two hanging ropes to the immovable structural parts of the ceiling respectively (verify that the structural parts have sufficient tensile strength).
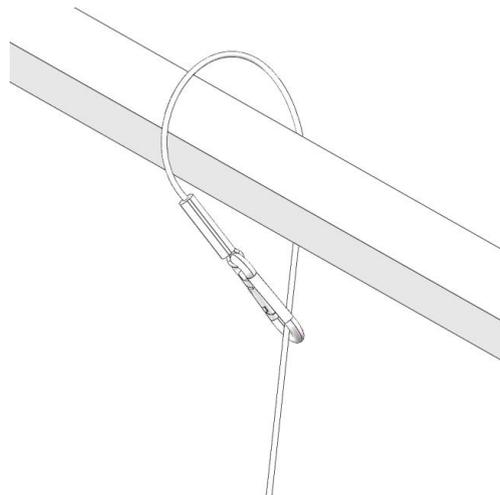
10. Insert the fixture's LED unit with the light emitting side facing downward through the opening into the frame so that it does not fall out.
Ensure that the wiring terminals are facing the opening in the frame.
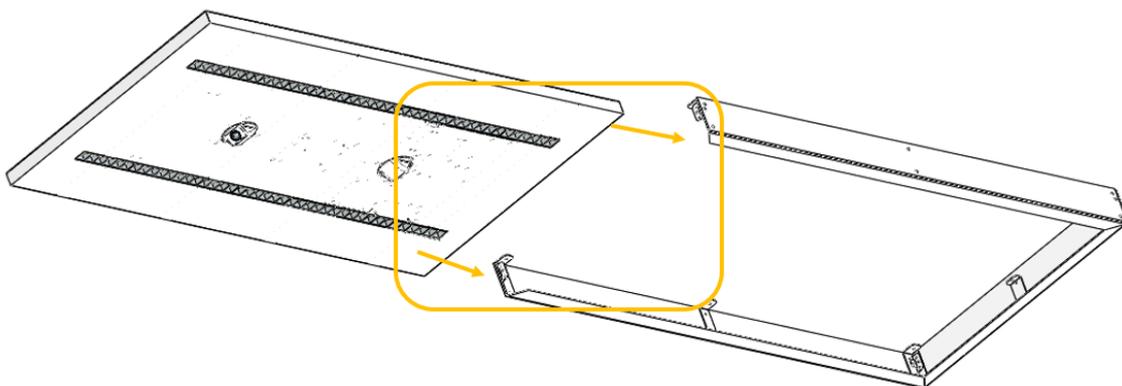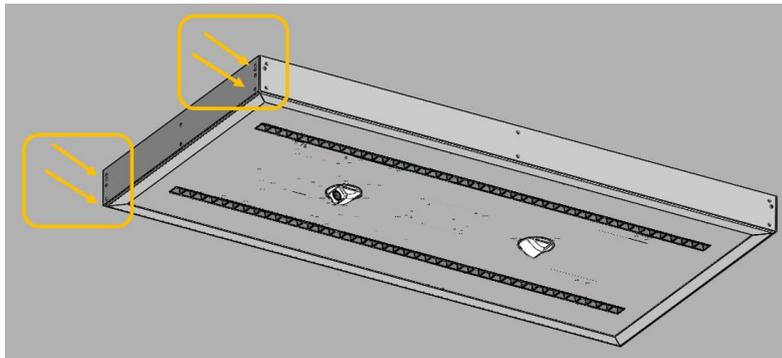
NOTE – For installations of Type A2 connected to Type B, skip steps 4 and 5 (only RJ-45 connection required).

11. Thread the input AC cable through the nylon cable tie.
    Pull up the three handles of the quick-connect terminal on the panel.
    Insert the wires into the terminal block by raising the relevant lever and then clamping down on the wires (Ground to yellow, Neutral to blue, Live to red).

12. Gently pull the 3 wires to verify that the wires are securely in place.
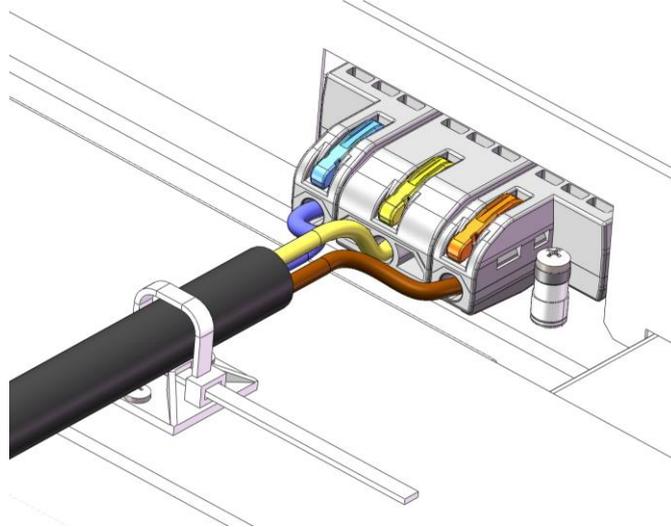
13. Push the fixture completely into the frame.

14. Attach the fourth plate/bracket pair (removed in step 7) to the fixture unit and the frame, using four pan head screws.
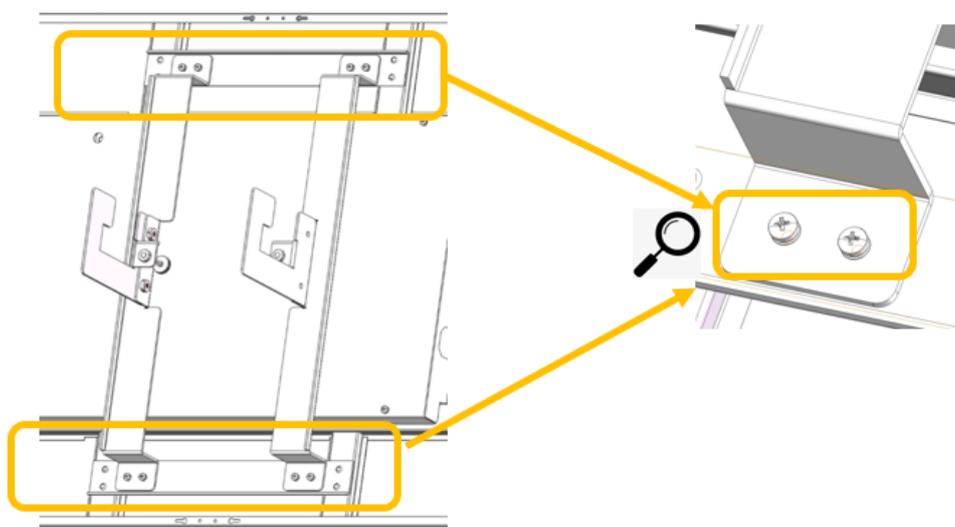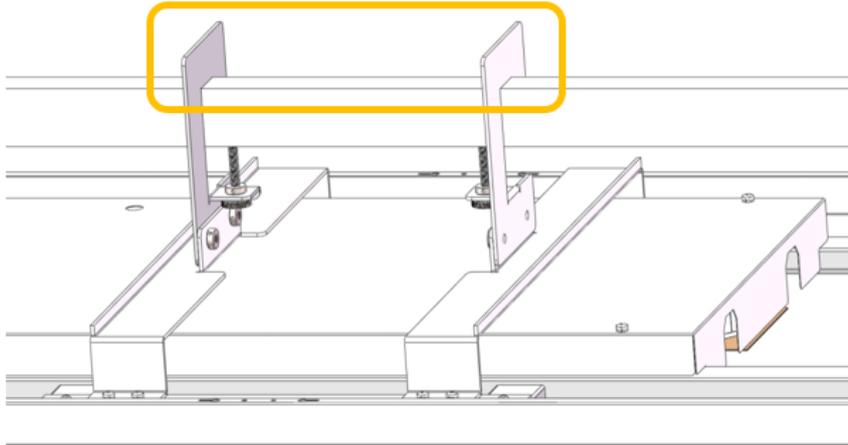
Installation – Bar Mounting

1. Attach the hanging brackets to the lengthwise support frame, using two socket head M6 screws for each bracket.
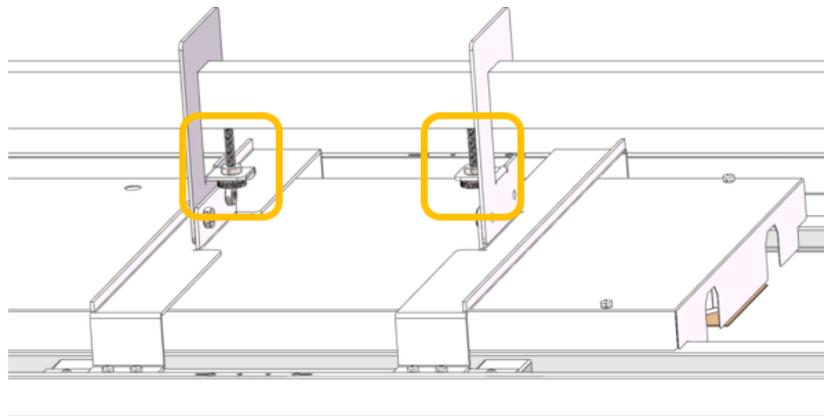   Tighten a knob M6 screw into the nut of each hanging bracket.
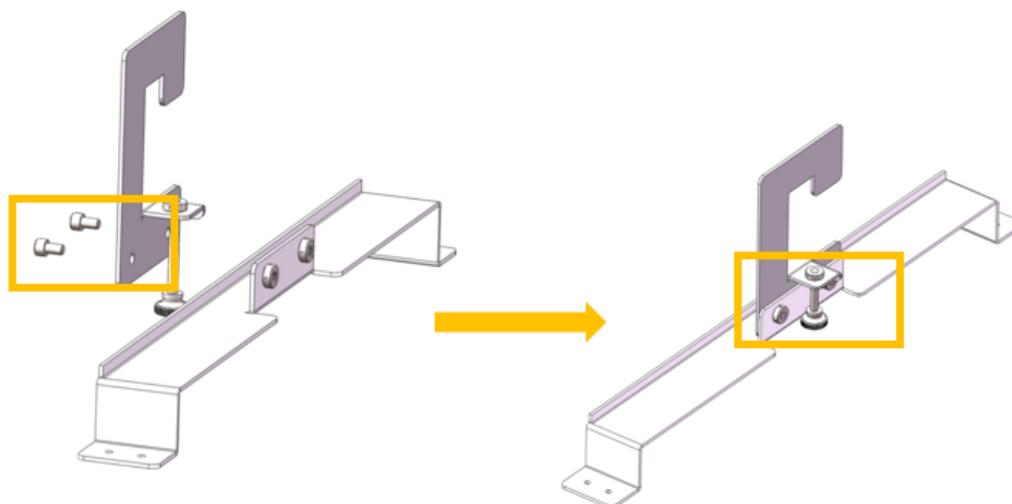
2. Secure the lengthwise brackets to the cross brackets using four pan head M4 screws.

3. Lift the fixture and place the hanging brackets over the mounting bar.

4. Fasten the knob screws manually against the mounting bar.

⚠️ **Warning - Ensure that the AC electrical power is turned off.**

NOTE – For installations of Type A2 connected to Type B, skip steps 4 and 5 (only RJ-45 connection required).

5. Thread the input AC cable through the nylon cable tie.
   Pull up the three handles of the quick-connect terminal on the panel.
   Insert the wires into the terminal block by raising the relevant lever and then clamping down on the wires (Ground to yellow, Neutral to blue, Live to red).

6. Gently pull the 3 wires to verify that the wires are securely in place.