

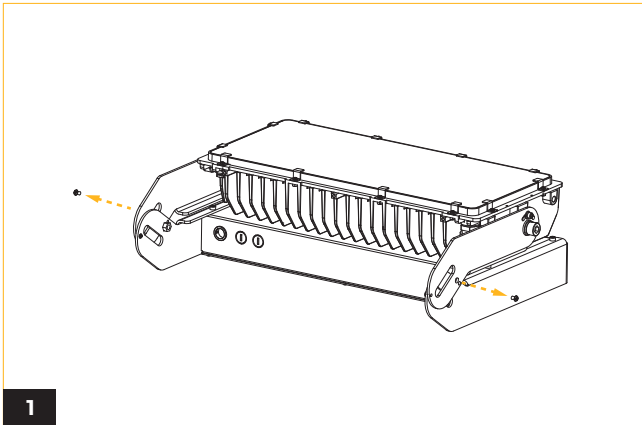
IMPORTANT SAFETY INFORMATION

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

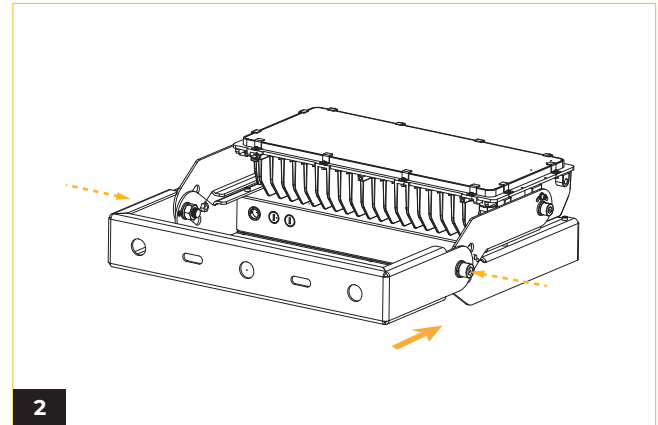
**FOR FIELD ASSISTANCE PLEASE CALL
+1-213-255-2060 #4**

- Before wiring to power supply and during servicing or relamping, turn off power at fuse or circuit breaker.
- All servicing or relamping must be performed by qualified service personnel.
- Product must be grounded to avoid potential electric shock or other potential hazard.
- Product must be installed at locations and heights, in a manner consistent with its intended use, and in compliance with electrical code and local codes.

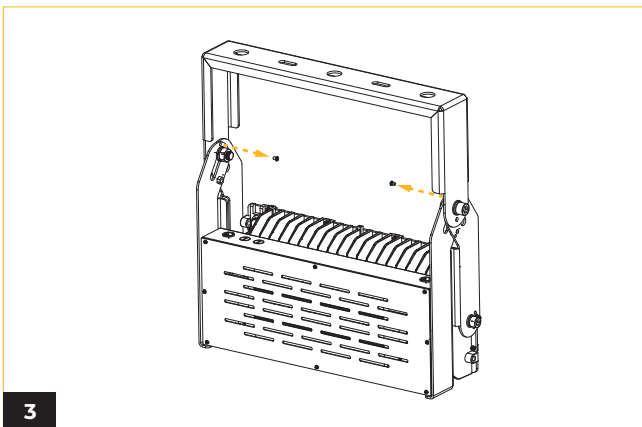
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE



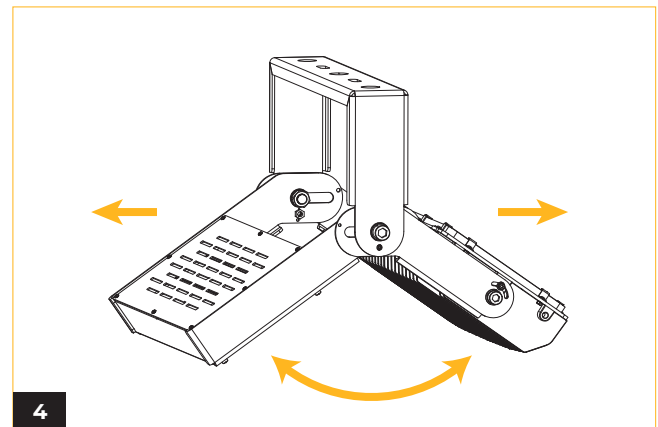
Unscrew the 2 outer fixed screws from the bracket.



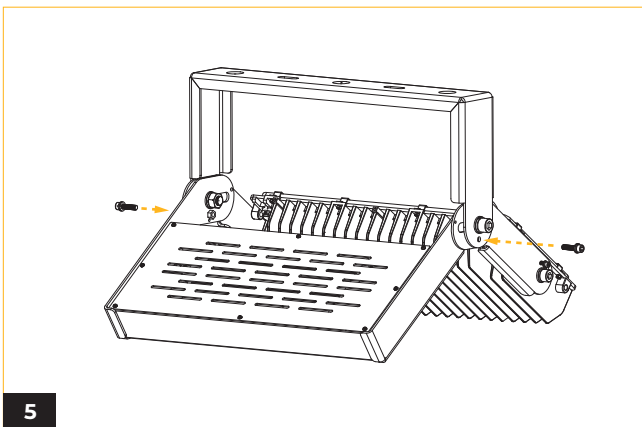
Align the bracket with the luminaire body. Fasten the bracket by using two screws on each side.



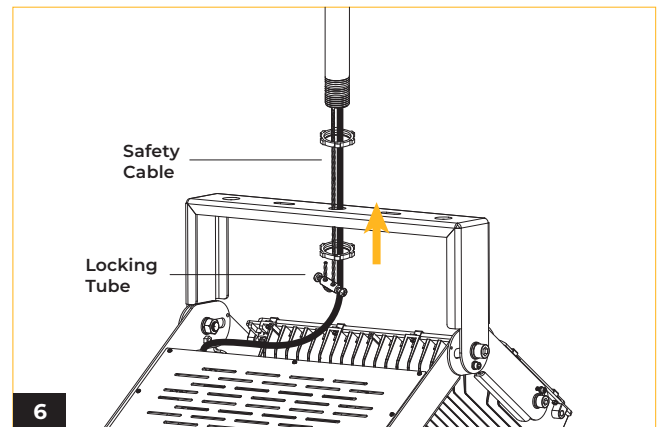
Unscrew the 2 inner fixed screws from the bracket.



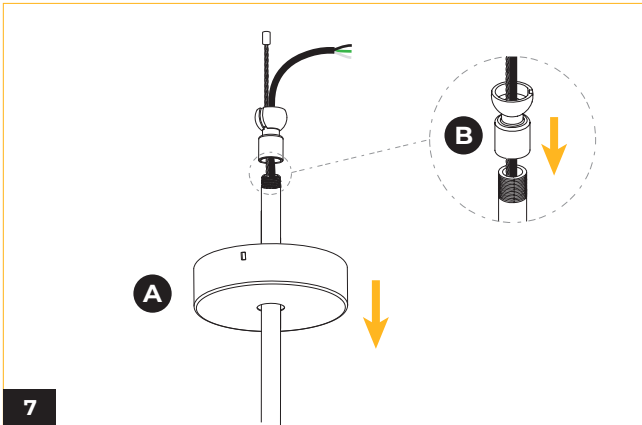
Unfold the luminaire body by pulling on each side, ensuring that the brackets are fully expanded.



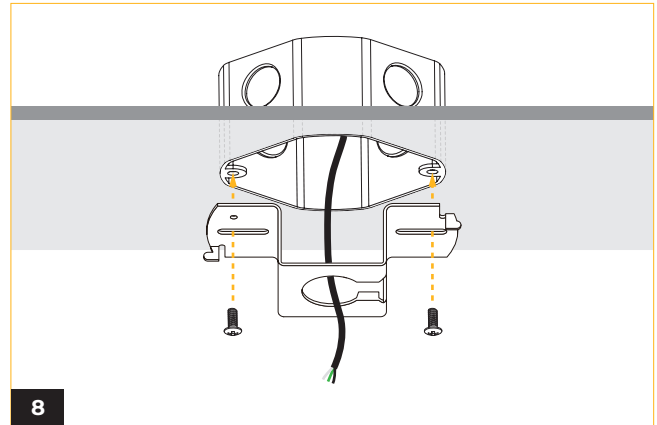
Secure the bracket by screwing back the two outer fixed screws.



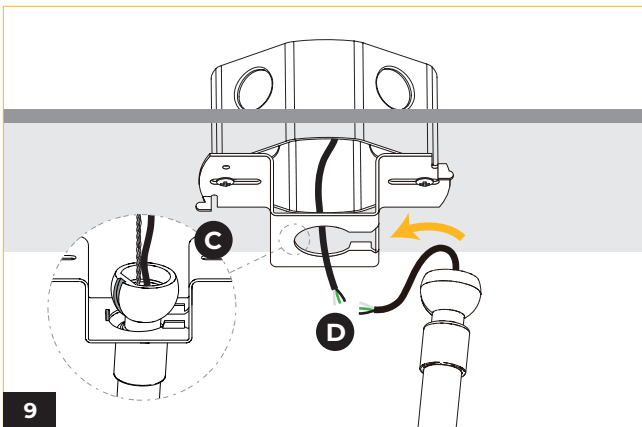
Pass the AC wires from the luminaire and the safety cable through the bracket hole and stem. Proceed to secure the stem onto the bracket by using hex nuts.



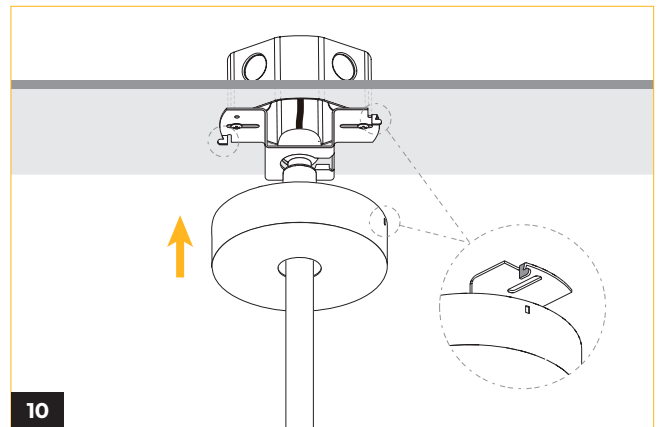
- (A) Feed the canopy through the stem.
- (B) Secure half ball with stem.



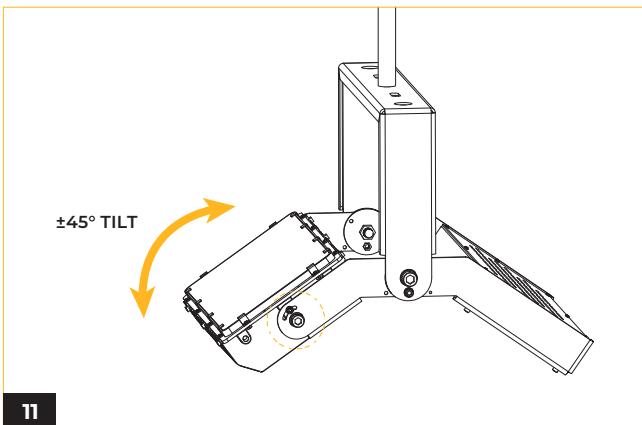
- Attach swivel crossbar to junction box with two screws (by others).



- (C) Insert half ball joint into slot on swivel crossbar. Align the slot on ball joint with the tab on the swivel crossbar.
- (D) Establish electrical and safety cable connections between the junction box and the fixture. (Refer to wiring diagram)



- Install canopy cover by aligning the tabs on crossbar with slots in the cover.

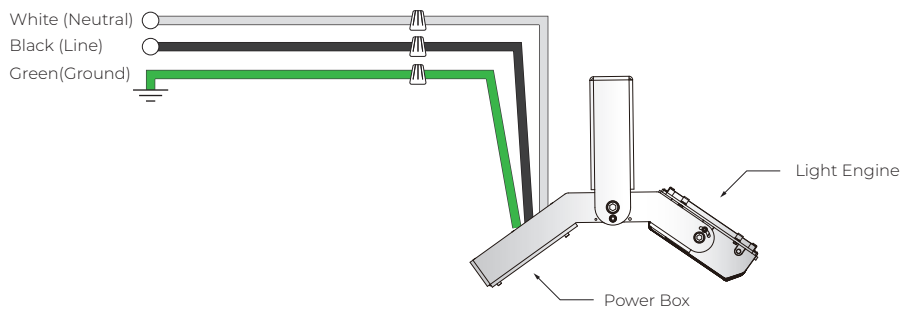


The light engine can be adjusted within a range of ± 45 degrees. To secure the rotated position, tighten the screws on each side.

WIRING DIAGRAM

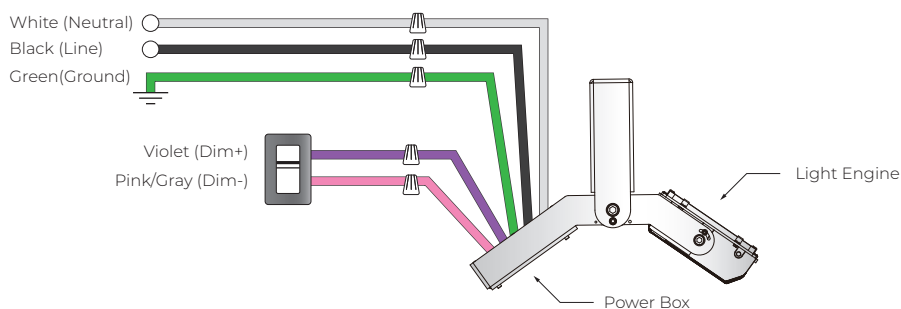
NOD

*Not to scale



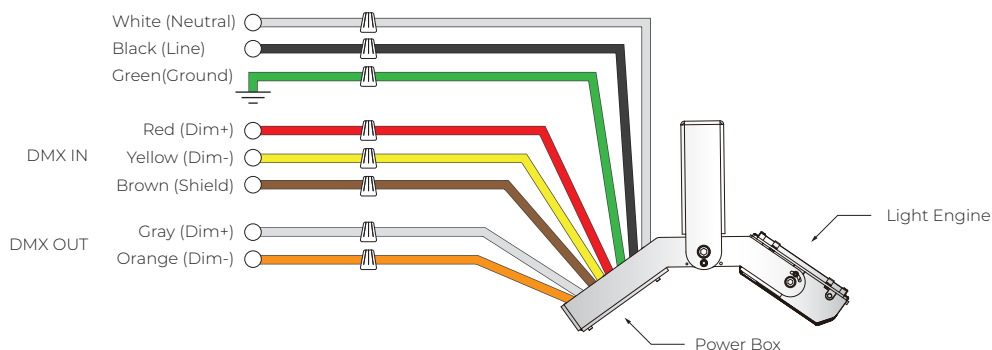
STV 1-10V

*Not to scale



DMX

*Not to scale



WIRING DIAGRAM

Application note : Wiring for DMX/RDM lighting systems

DMX/RDM is a robust and reliable system for lighting control. However, if not implemented correctly, problems can arise such as random flashing of lights, erratic operation and delays in responding to commands. This document explains the best practices in DMX wiring.

Important things to consider are:

1. DMX is a three-wire system. Use all three!
2. DMX is based on the EIA-485/RS-485 standard.
3. Always use cable specifically designed for DMX / RS-485. These cables have an impedance of 120Ω and a low capacitance. For instance : Belden 9729.
4. DMX must be terminated with a 120Ω resistor to prevent reflections.
5. A daisy chain topology should be used.
6. After 32 unit loads a repeater/booster should be used. (Important : For tunable white fixtures, After "32" unit loads a repeater/booster should be used.)
7. Keep cabling below 200 meters between the controller and the last driver.
8. It is generally considered good practice to provide separate DMX in and DMX out / DMX Thru connections to your fixture to aid in installation. This can be in the form of pigtails, RJ-45 connectors or 5-pin XLR connectors.
9. Use twisted pair cables with an impedance of 120Ω and a low capacitance.
10. UTP Cat5 or Cat6 network cable can also be used but have a slightly lower impedance of 100Ω .
11. If shielded cable is used, only connect shield to ground on one side (typically, the controller should have its shield terminal connected to ground).
12. Not following the above recommendations may seem to work at first, but can cause problems. Sometimes after weeks of seemingly normal operation.