

## **IMPORTANT SAFETY INFORMATION**

**READ AND FOLLOW ALL SAFETY INSTRUCTIONS**

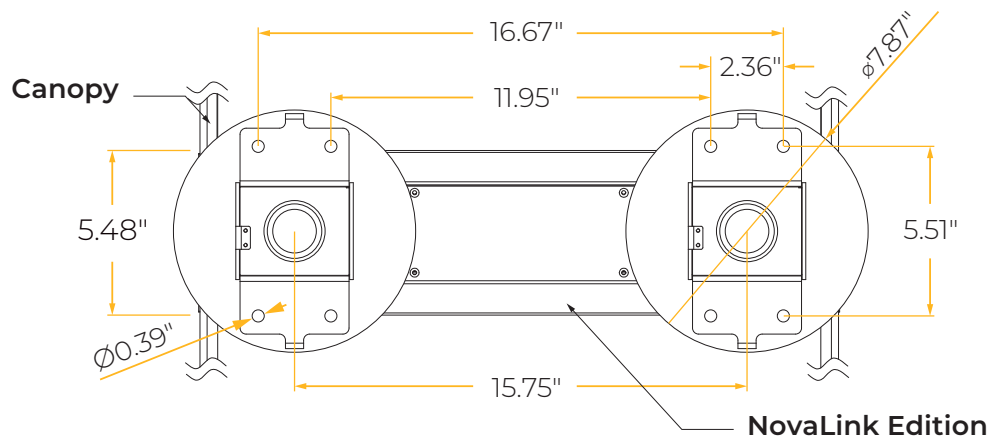
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**FOR FIELD ASSISTANCE PLEASE CALL  
+1-213-255-2060 #4**

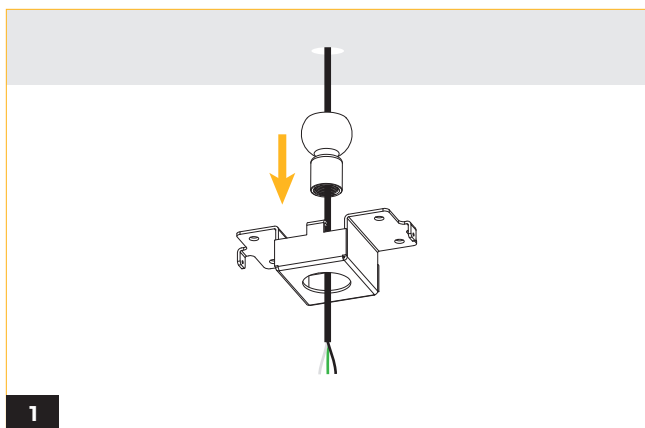
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- Before wiring to power supply and during servicing or relamping, turn off power at fuse or circuit breaker.
- All servicing or relamping must be performed by qualified service personnel.
- Product must be grounded to avoid potential electric shock 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.

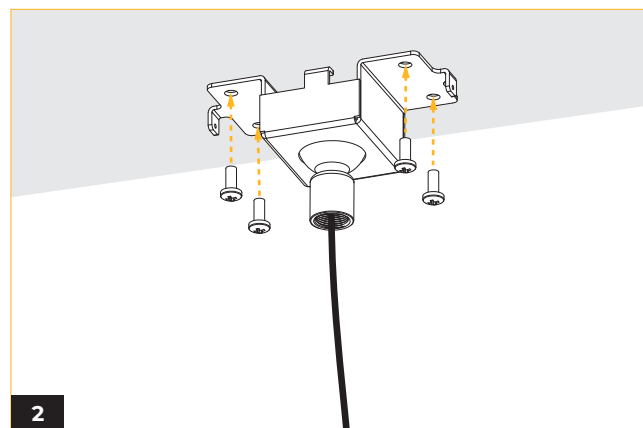
**SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE**



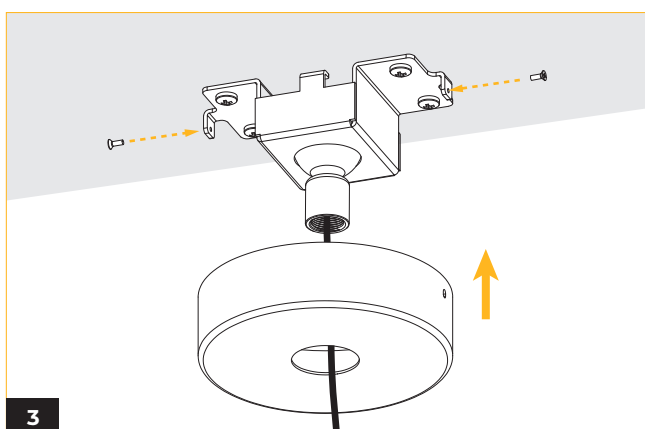
## STEM DIMENSIONS



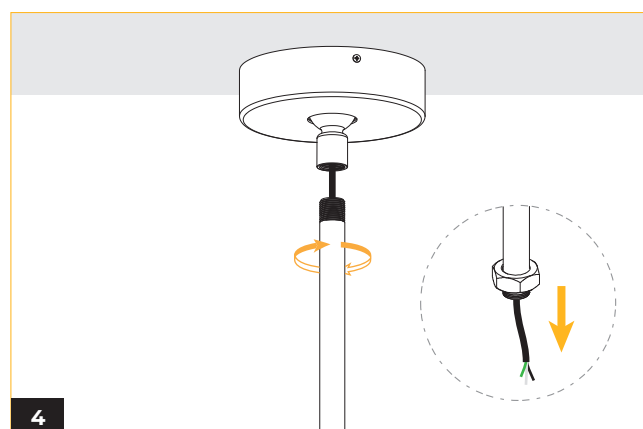
Insert the half ball through the opening in the swivel crossbar. Thread the AC wires through both the half ball and the swivel crossbar.



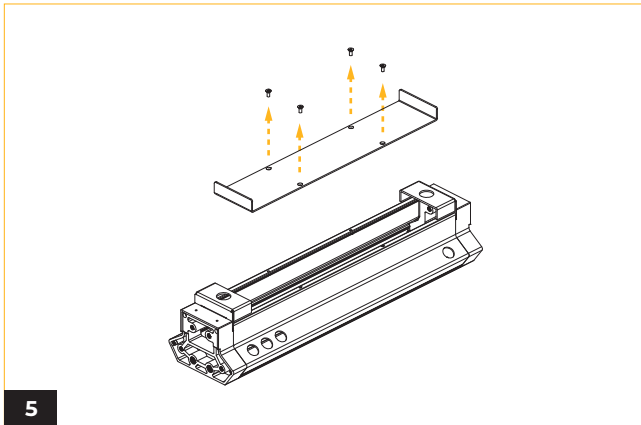
Mount the swivel crossbar onto a flat surface and secure it using the provided screws.



Position the canopy over the crossbar and fasten it firmly in place with screws on both sides.

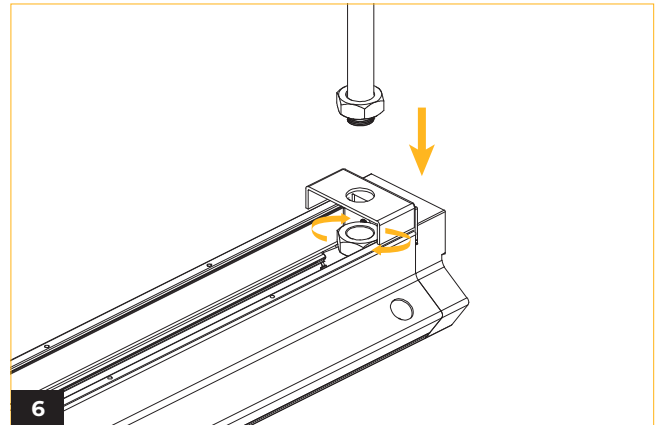


Thread the stem into the half ball, ensuring that the supply wires are passed through the stem.



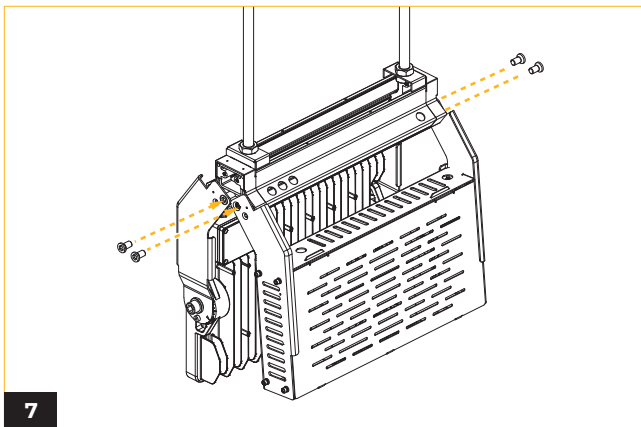
5

Remove the four screws from the top cover and carefully lift the cover upward.



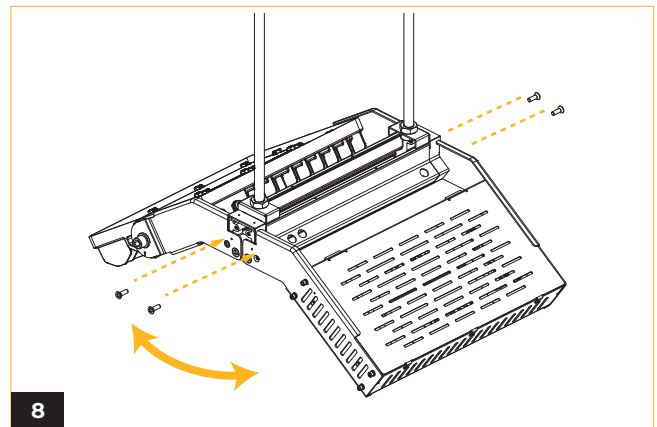
6

Position the stem against the mounting surface and secure it tightly using the lock nut.



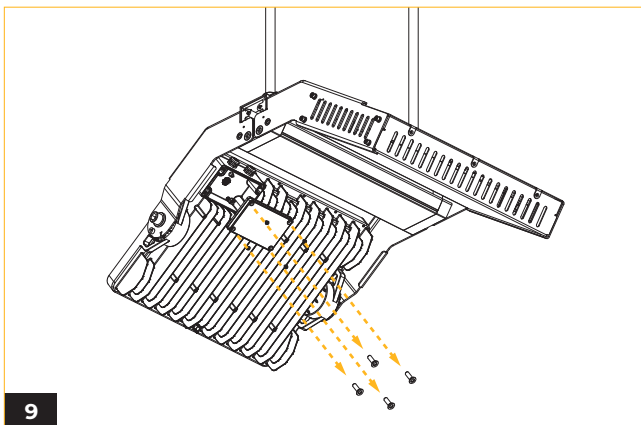
7

Align the luminaire body with the inner screw points. Fasten the fixture with two screws on each side. Ensure the body is securely fixed and stable.



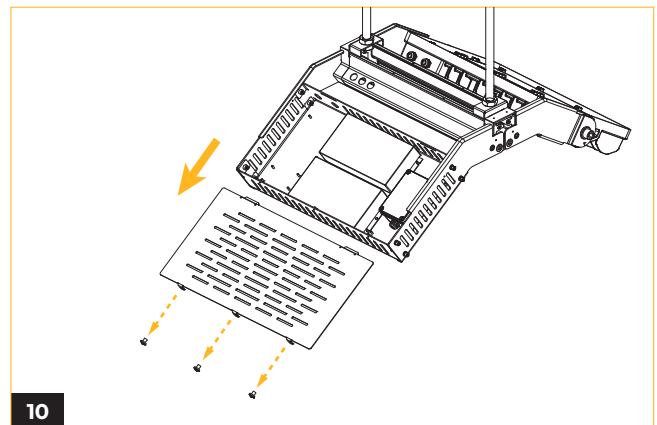
8

Extend the luminaire body until the outer screw points are aligned. Fasten the fixture with two screws on each side. Verify that the body is securely fixed and remains stable.



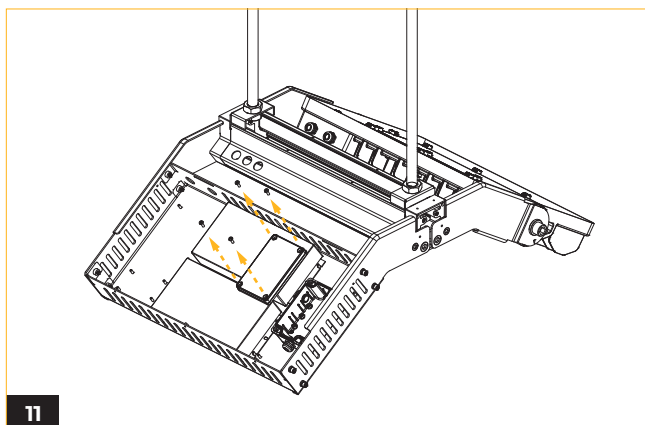
9

Loosen the screws and open the wiring access cover.



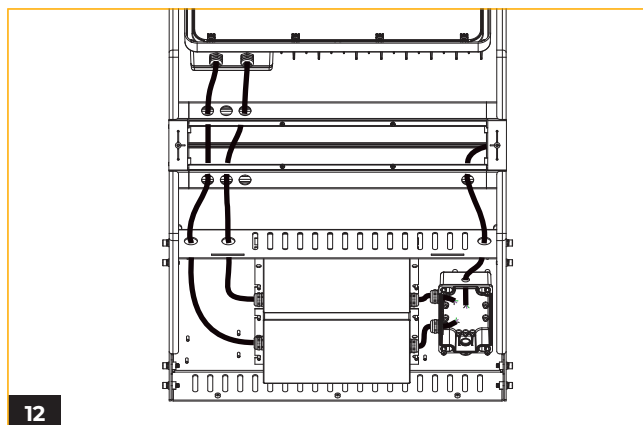
10

Remove the three screws located on the bottom to gain access to the power box.



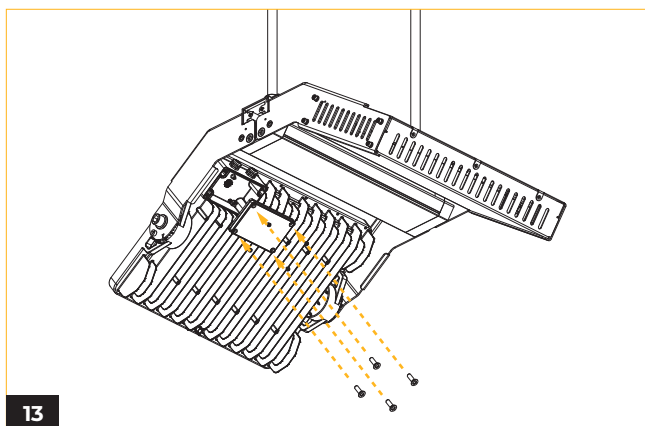
11

Unscrew the four screws to detach the lid of the waterproof junction box.



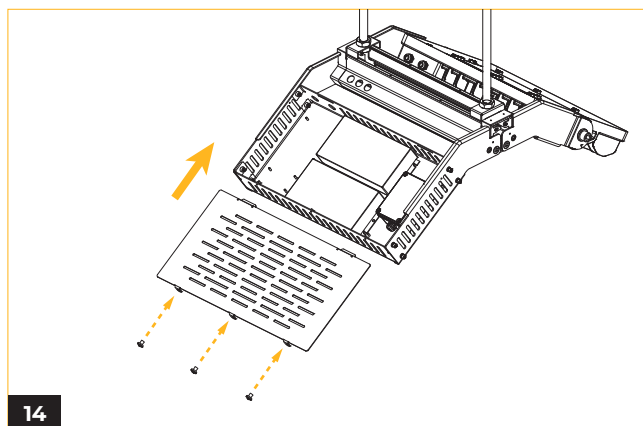
12

Thread the AC wire through the cable gland into the junction box. Establish electrical connections between the junction box and the fixture. (Refer to wiring diagram)



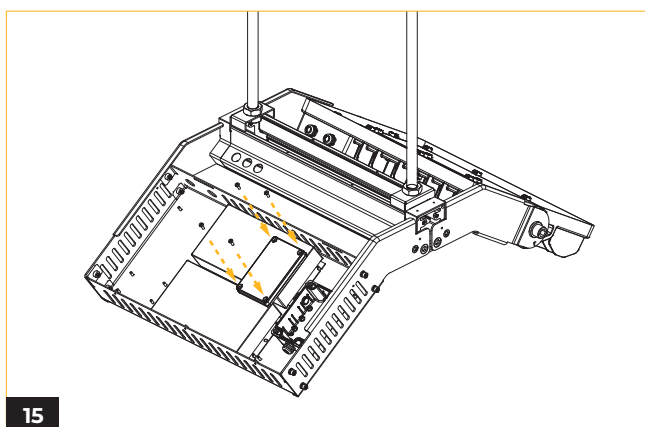
13

Reinstall the lid onto the waterproof junction box and fasten it with the four screws.



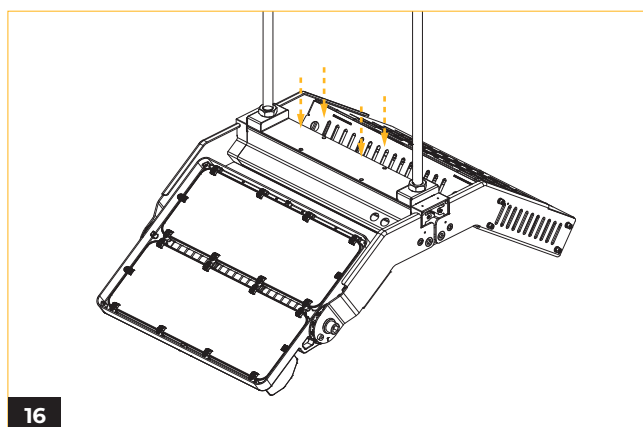
14

Reattach the power box cover by securing it with the three screws on the bottom.



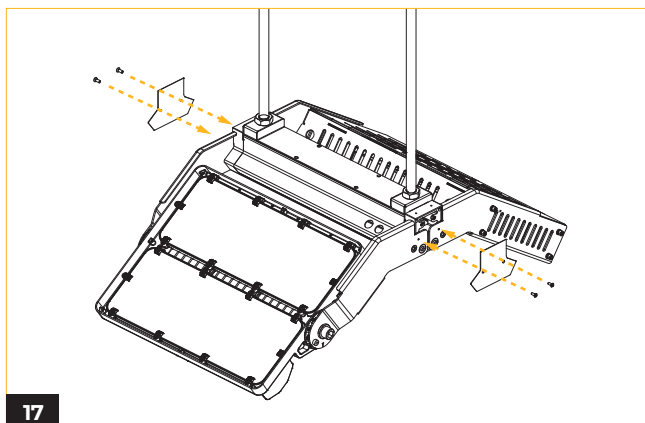
15

Close the wiring access cover and tighten the screws securely.



16

Replace the top cover and fasten it securely with the four screws. Do not overtighten.

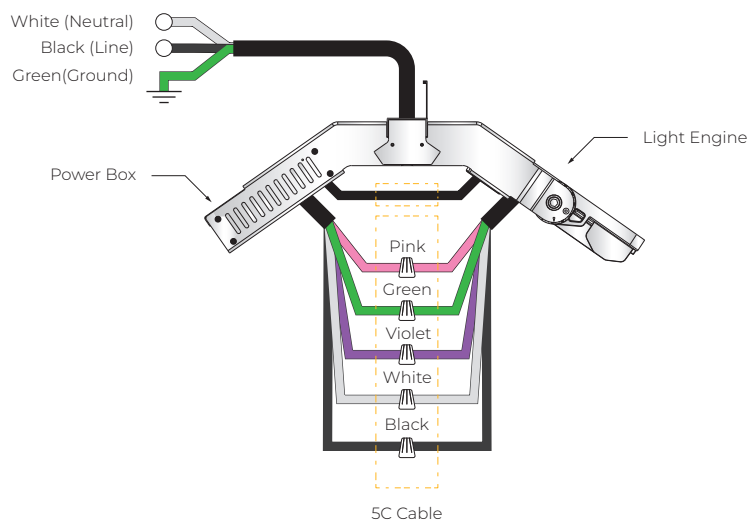


Install the cover plates on both the left and right sides to complete the assembly.

## WIRING DIAGRAM

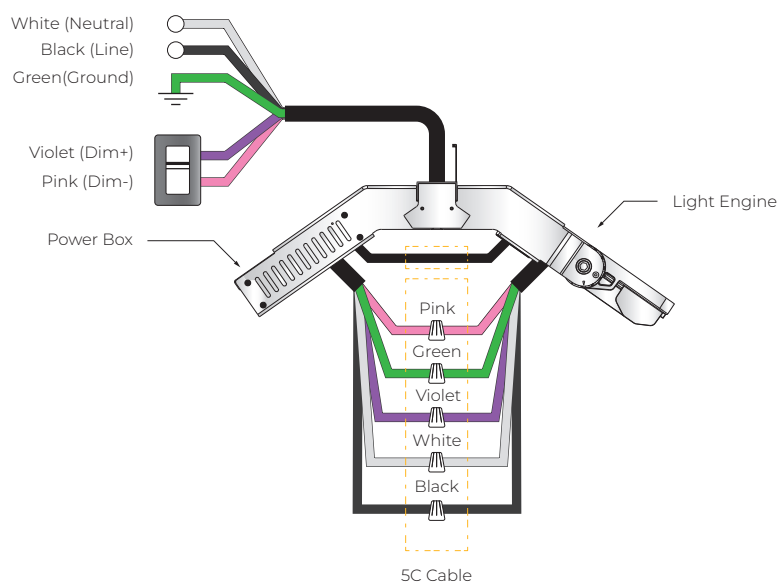
NOD

\*Not to scale



STV 0-10V

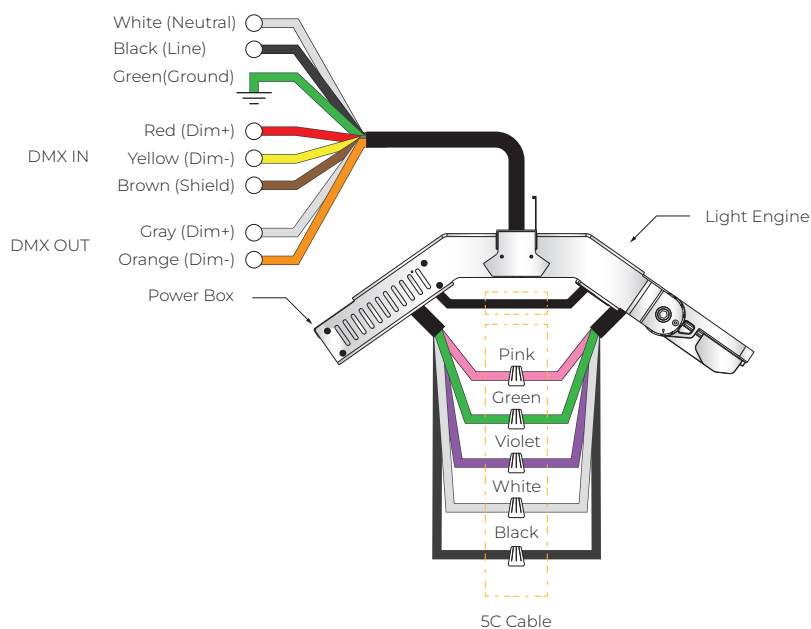
\*Not to scale



## WIRING DIAGRAM

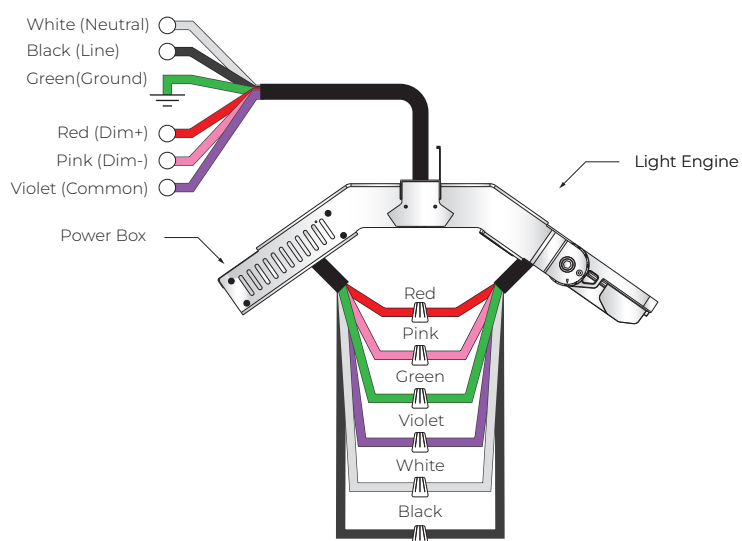
### DMX (Static White)

\*Not to scale



### DMX (RGBW)

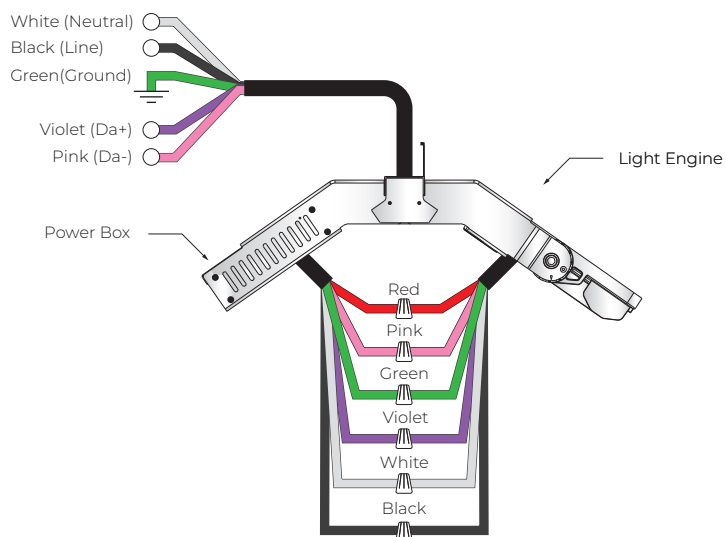
\*Not to scale



## WIRING DIAGRAM

### DALI (RGBW)

\*Not to scale





## NOTES

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### 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.