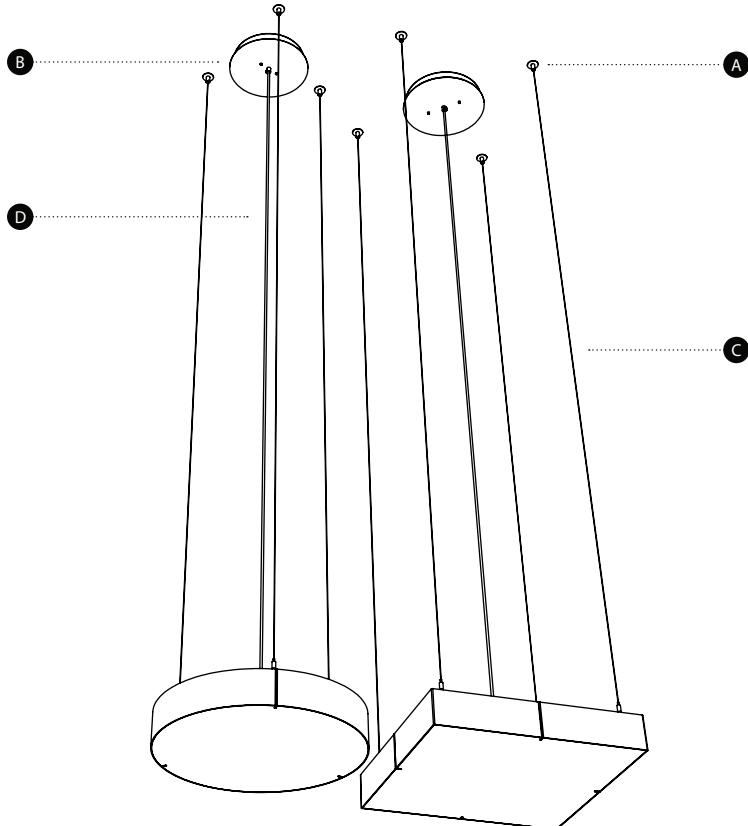


Essentials

LA2 Series, One & Two

INSTALLATION INSTRUCTIONS

ILLUSTRATIONS ARE REPRESENTATIVE OF A TYPICAL ECHO ONE PENDANT INSTALLATION. SIZE, SHAPE, & DETAILS OF YOUR FIXTURE WILL VARY BASED ON YOUR PROJECT. REFER TO SHOP DRAWINGS FOR SPECIFIC INFORMATION ABOUT YOUR FIXTURE.



A CEILING CONNECTOR (x1)

B CANOPY (x1)

C STAINLESS STEEL CABLE (x3) (x4)

D POWER CORD (x1)

22"DIA X 4"H
8LBS

22"SQ X 4"H
12LBS

Specifications

SHIPPING / RECEIVING

Fixtures boxed & shipped individually or for large quantities, on 4' x 4' or 4' x 8' pallets

Customer responsible for receiving & unloading of fixtures

Pallet jack / forklift strongly recommended (palletized orders only)

Fixtures must be stored indoors in a climate controlled location prior to installation

SHIPPING / RECEIVING

(2-3) People required for safe & efficient installation

(2) Ladders or scissors lifts

All necessary tools needed for proper wiring of fixture to supply circuits

HANDLING

Fixtures should remain boxed for protection until needed for installation

Fixtures are constructed of durable Varia, but must be handled with care

Large fixture components should be handled by a minimum of 2 people

Do not allow fixture components to rest on unpadded surfaces

CLEANING

Use vacuum or soft brush to clean fins. Do not use strong solvents, highly alkaline or abrasive cleaning agents

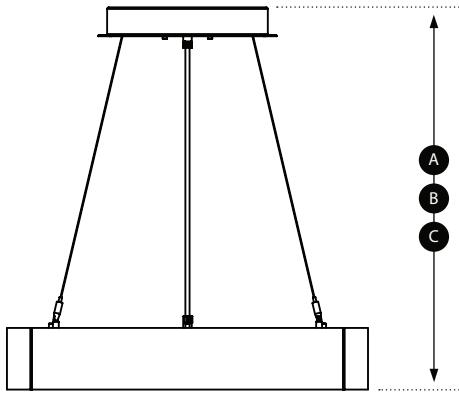
Essentials

Cables to Canopy & Cables to Ceiling Installation

INSTALLATION INSTRUCTIONS

Step-by-step

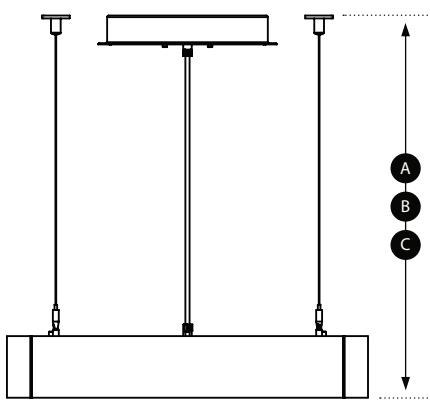
Cables to canopy. Not recommended for fixtures weighing more than 30lbs. Do not exceed rated load of junction box. Local requirements may apply.



Suggested Minimum

- Ⓐ One Small: 12"
- Ⓑ One Medium: 16"
- Ⓒ One Large: 24"

Cables to ceiling. Recommended for fixtures weighing 30lbs or more.

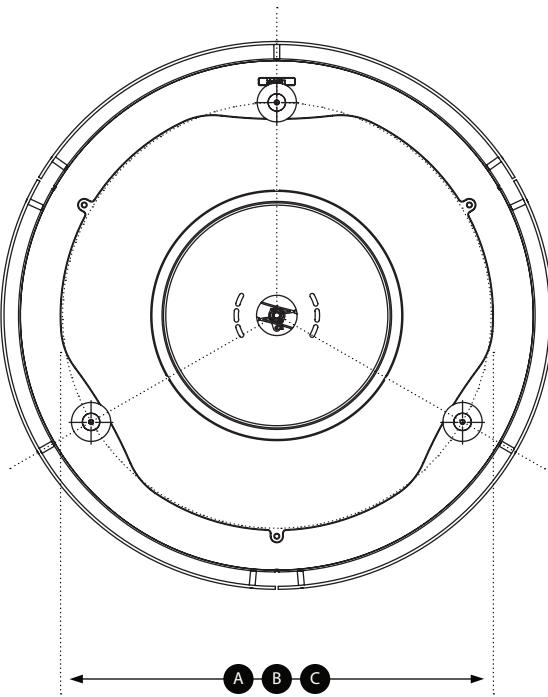


Recommended Heights

- Ⓐ Two Small: 18"
- Ⓑ Two Medium: 24"
- Ⓒ Two Large: 36"

Suggested Minimum for All Sizes: 6"

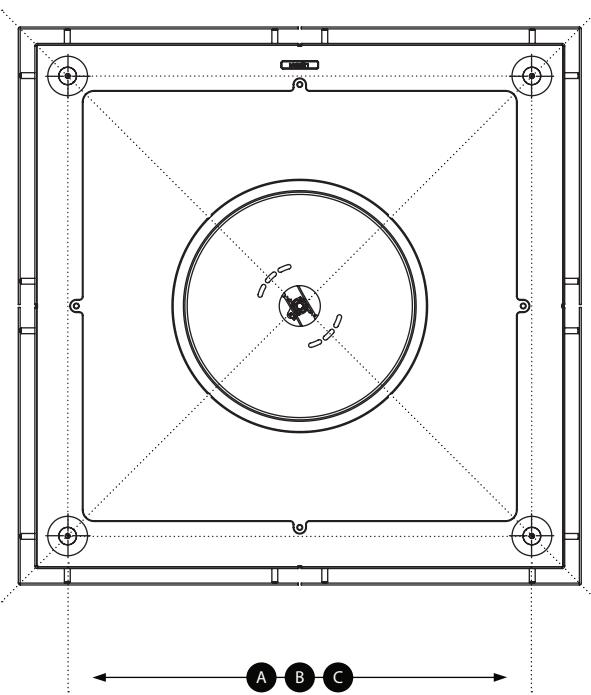
① LA2 One, Pick-Point Locations



Ceiling Pick Point Dimensions

- Ⓐ One Small: 3pts, Ø18.5"
- Ⓑ One Medium: 3pts, Ø25"
- Ⓒ One Large: 3pts, Ø38"

③ LA2 Two, Pick-Point Locations



Ceiling Pick Point Dimensions

- Ⓐ Two Small: 3pts, 27.6" x 27.6"
- Ⓑ Two Medium: 3pts, 37.5" x 37.5"
- Ⓒ Two Large: 3pts, 55.9" x 55.9"

Essentials

Pick Point Installation

INSTALLATION INSTRUCTIONS

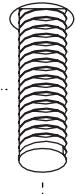
Parts Overview

Install 1/4-20 all thread, refer to project specific shop drawings provided by LightArt for exact locations.

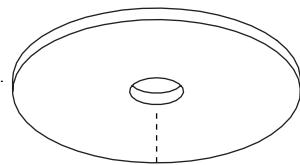
Note: All-thread to be installed to support 60lb. minimum load

Note: All-thread should be installed to extend 1/2" below the line of the finish ceiling.

1/4-20
THEADED ROD
(provided by installer)



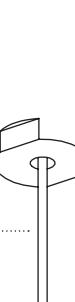
ESCUTCHEON
PLATE



CABLE SWAGE



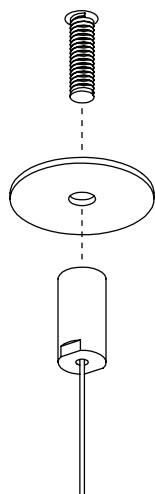
THREADED CON-
NECTOR



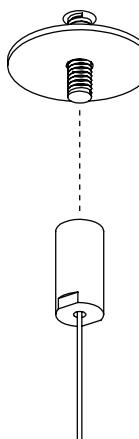
S.S. CABLE



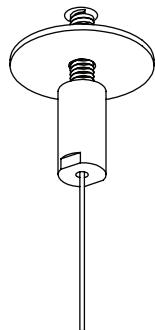
① Thread the adapter onto the all thread until firmly secured against ceiling as shown.



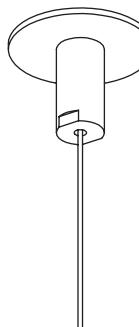
② Slide escutcheon plate over thread adapter & against the finished ceiling.



③ Thread ceiling coupler onto thread adapter as shown.



④ Continue threading ceiling coupler onto thread adapter until firmly secured against escutcheon plate at ceiling.



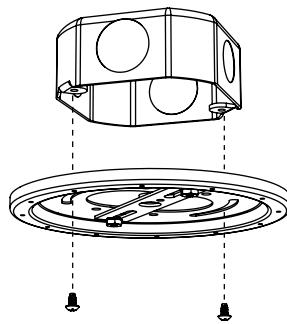
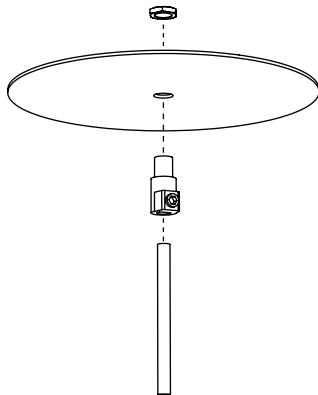
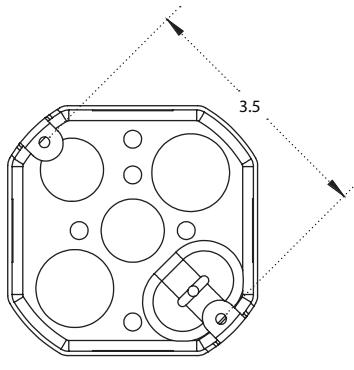
Essentials

(junction box with pick points) Canopy Installation

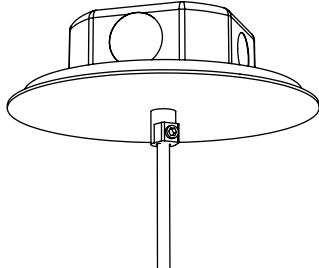
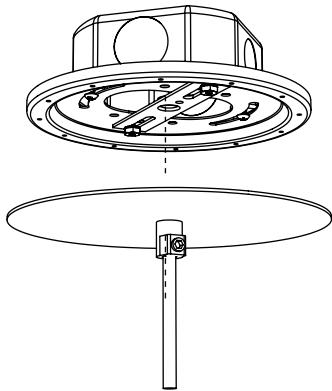
INSTALLATION INSTRUCTIONS

Step-by-step

- 1 Install junction box. Refer to project-specific shop drawings provided by LightArt for exact locations.
- 2 **Wiring:** See wiring instructions and diagrams on the last few pages for additional details.
- 3 Push the connections and all excess wires into junction box. Secure canopy to crossbar using included fasteners.



- 4 Install dress plate with strain relief.
- 5 Continue screwing strain relief until dress plate is firmly secured.



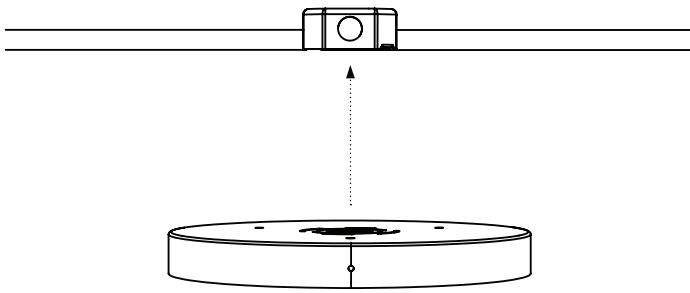
Essentials

Surface Mounting Installation

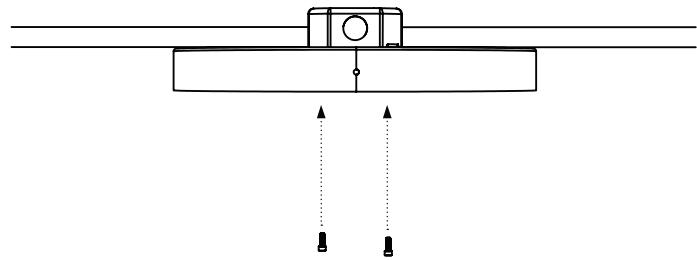
INSTALLATION INSTRUCTIONS

Step-by-step

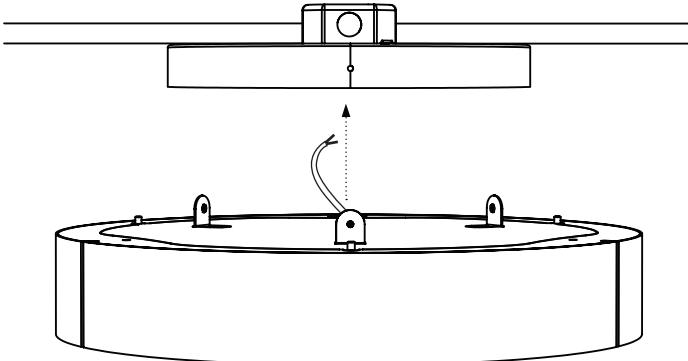
① Align the canopy to the junction box.



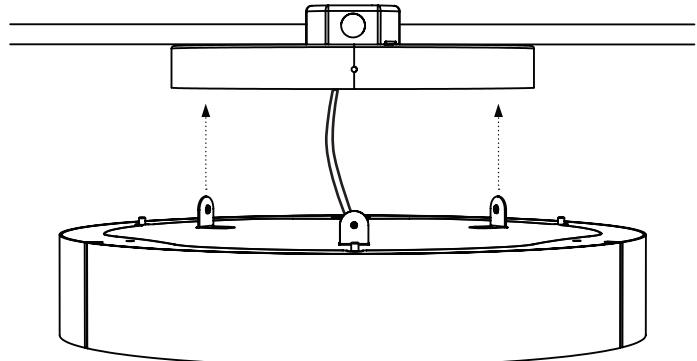
② Install the screws to secure the canopy to the junction box.



③ Install wiring to the wires and driver in the canopy.



④ Align the prongs on the top of the fixture to the holes on the canopy.



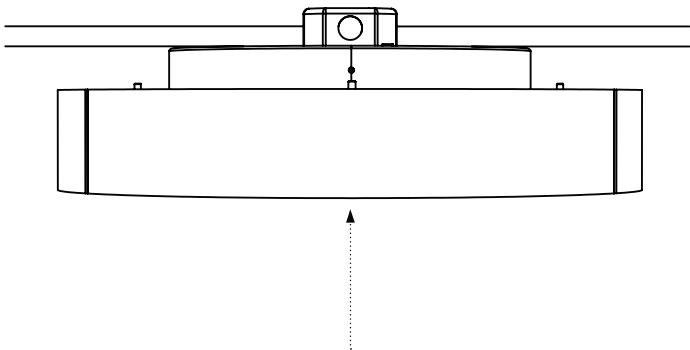
Essentials

Surface Mounting Installation

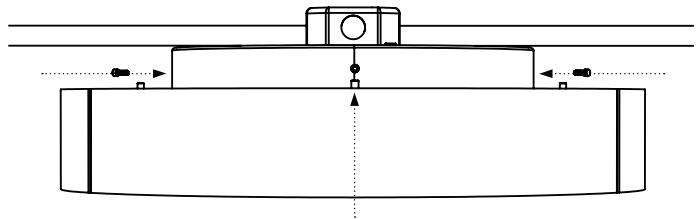
INSTALLATION INSTRUCTIONS

Step-by-step

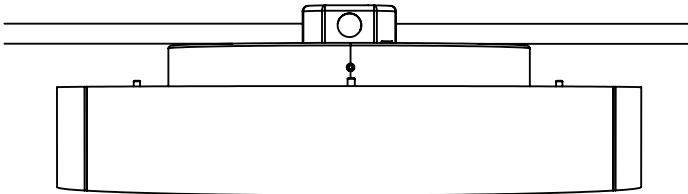
⑤ Press the fixture into place and align the holes on the canopy with the holes on the tabs of the fixture.



⑥ Install the screws to secure the fixture to the canopy.



⑦ Ensure that the fixture is secure before letting go of it.



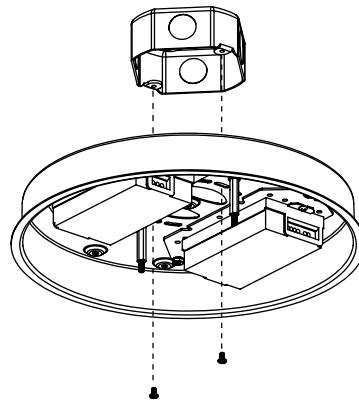
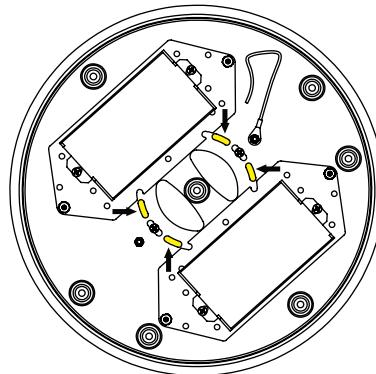
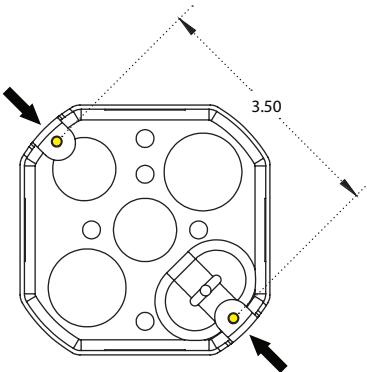
Essentials

Canopy Installation

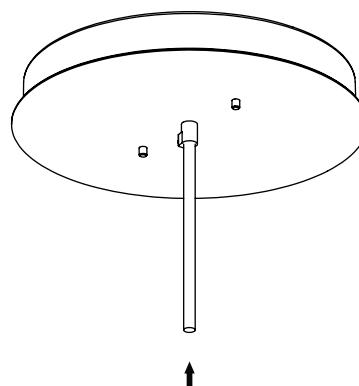
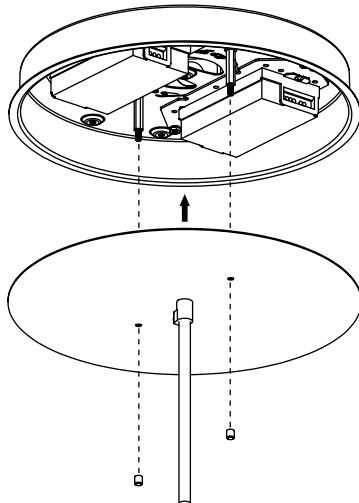
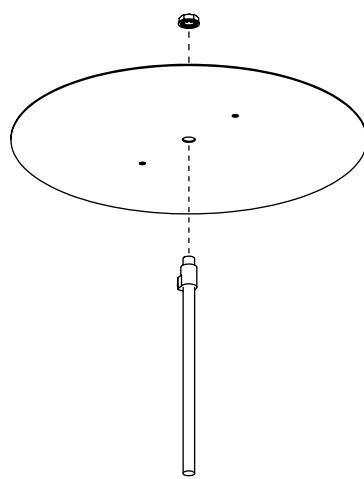
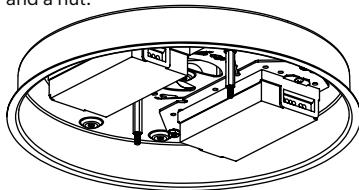
INSTALLATION INSTRUCTIONS

Step-by-step

- 1 Install junction box. Refer to project-specific shop drawings provided by LightArt for exact locations. After installation locate the mounting holes for the canopy.
- 2 Locate the mounting slots to install the canopy to the junction box.
- 3 Push the connections and all excess wires into junction box. Secure canopy to junction box using fasteners.



- 4 Wiring: See wiring instructions and diagrams on page 3 for additional details. Connect the wiring to the dress plate using a lock washer and a nut.
- 5 Lift the dress plate upward and align the decorative nuts with the standoffs protruding from the canopy.
- 6 Make sure the decorative nuts are tightened properly.



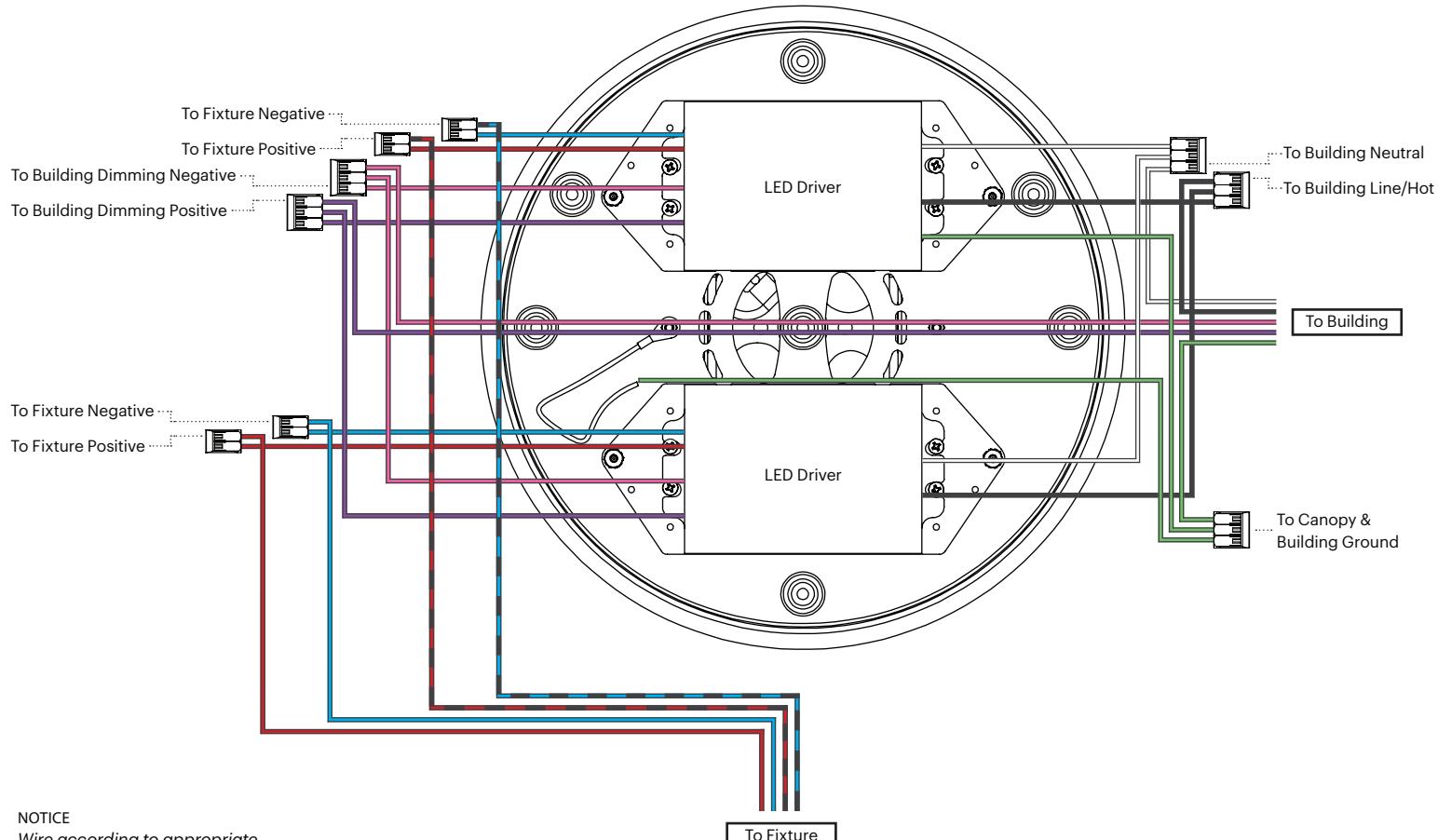
Essentials

(junction box) Wiring Instructions

INSTALLATION INSTRUCTIONS

Wiring Diagram 0-10V Dimming, 2 Drivers

For illustration purposes only. Consult control manufacturer's spec. sheets for specific wiring requirements and fixture capacity.



- ① Feed the multi-wire power cord from the fixture through the strain relief on dress plate.
- ② Tighten set screw on strain relief to secure power cord.
- ③ Connect the WHITE (Input ACN) power supply wire to the WHITE (ACN) wire of the supply circuit. Connect the BLACK (Input ACL) power supply wire to the BLACK (ACL) wire of the supply circuit. Connect GREEN (GROUND) power supply wire to the GROUND wire of the supply circuit.
- ④ Connect the PURPLE (DIMMING +) power supply wire to the DIMMING + wire of the supply circuit. Connect the GRAY (DIMMING -) power supply wire to the DIMMING - wire of the supply circuit.
- ⑤ Push all line voltage connections and all excess wires into the junction box.
- ⑥ Connect the Blue (DC V-) wire from fixture to the BLUE (DC Output V-) of the driver. Connect the RED (DC V+) wire from the fixture to the RED (DC Output V+) wire of the driver.
- ⑦ Secure canopy to junction box with provided fasteners.

WARNING
LIGHTART IS NOT LIABLE FOR DAMAGE
DUE TO MISWIRING 0-10 VOLT CONTROL
WIRES, OR LOW VOLTAGE LED WIRES
TO LINE VOLTAGE.

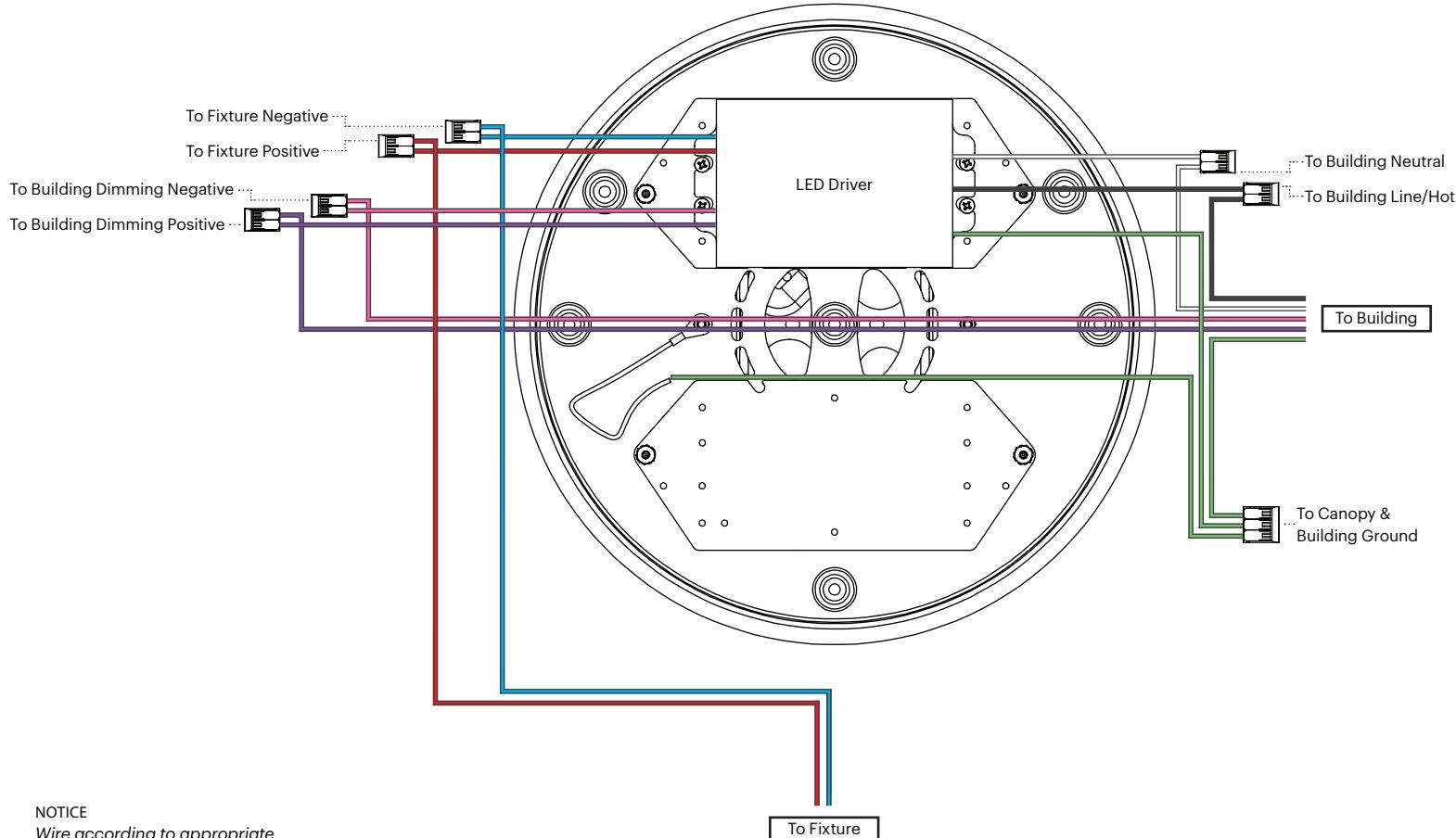
Essentials

(junction box) Wiring Instructions

INSTALLATION INSTRUCTIONS

Wiring Diagram 0-10V Dimming, 1 Driver

For illustration purposes only. Consult control manufacturer's spec. sheets for specific wiring requirements and fixture capacity.



- ① Feed the multi-wire power cord from the fixture through the strain relief on dress plate.
- ② Tighten set screw on strain relief to secure power cord.
- ③ Connect the WHITE (Input ACN) power supply wire to the WHITE (ACN) wire of the supply circuit. Connect the BLACK (Input ACL) power supply wire to the BLACK (ACL) wire of the supply circuit. Connect GREEN (GROUND) power supply wire to the GROUND wire of the supply circuit.
- ④ Connect the PURPLE (DIMMING +) power supply wire to the DIMMING + wire of the supply circuit. Connect the GRAY (DIMMING -) power supply wire to the DIMMING - wire of the supply circuit.
- ⑤ Push all line voltage connections and all excess wires into the junction box.
- ⑥ Connect the Blue (DC V-) wire from fixture to the BLUE (DC Output V-) of the driver. Connect the RED (DC V+) wire from the fixture to the RED (DC Output V+) wire of the driver.
- ⑦ Secure canopy to junction box with provided fasteners.

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TO LINE VOLTAGE.

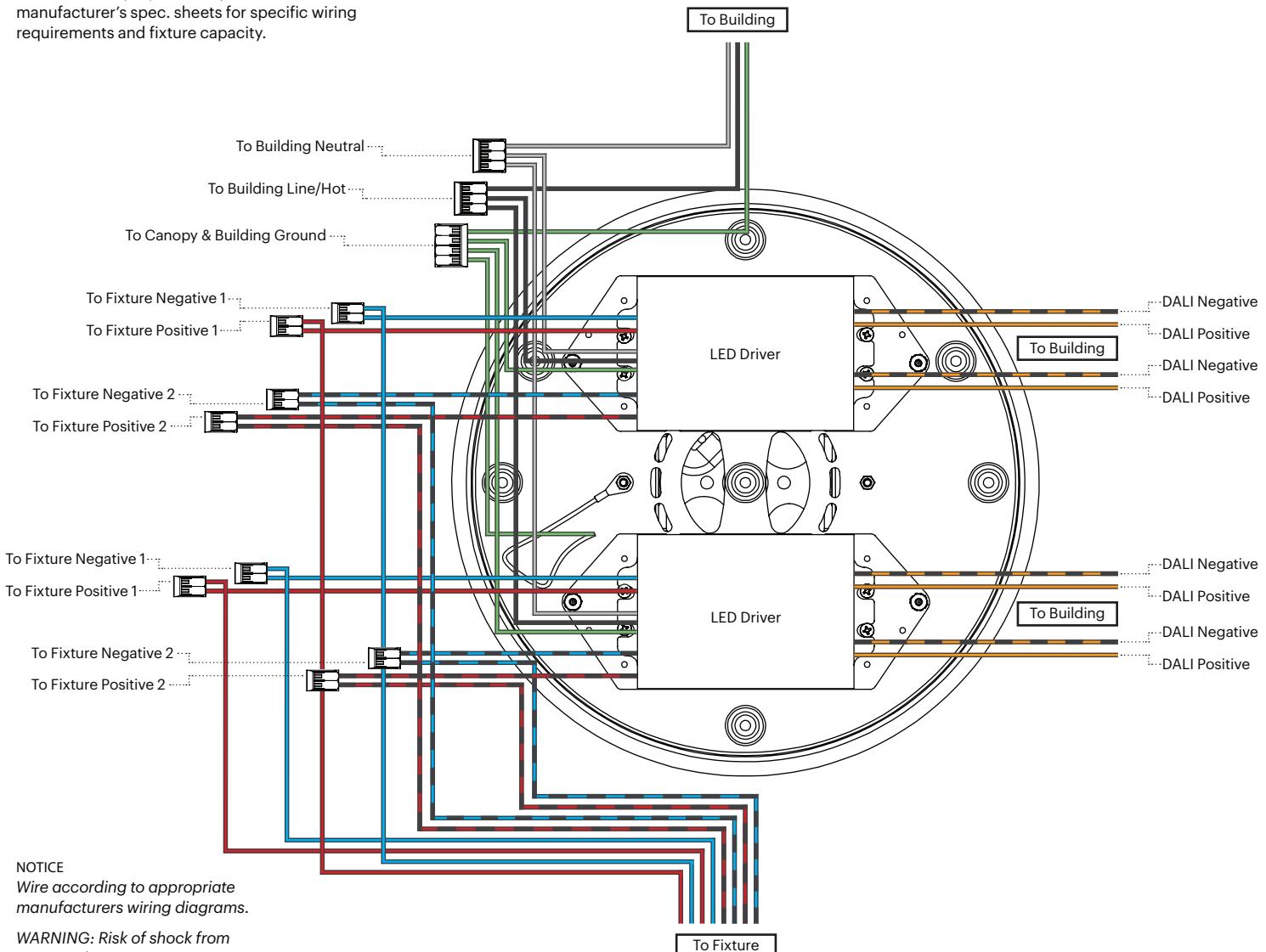
Essentials

(junction box) Wiring Instructions

INSTALLATION INSTRUCTIONS

Wiring Diagram Tuanble White, 2 Drivers, Dali

For illustration purposes only. Consult control manufacturer's spec. sheets for specific wiring requirements and fixture capacity.



- ① Feed the multi-wire power cord from the fixture through the strain relief on dress plate. Tighten set screw on strain relief to secure power cord.
- ② Connect the SOLID RED wire from the fixture to the POSITIVE terminal of OUTPUT, GROUP 1 on the driver.
- ③ Connect the SOLID BLUE wire from the fixture to the NEGATIVE terminal of OUTPUT, GROUP 1 on the driver.
- ④ Connect the DASHED RED wire from the fixture to the POSITIVE terminal of OUTPUT, GROUP 2 on the driver.
- ⑤ Push all line voltage connections and all excess wires into the junction box.
- ⑥ Secure canopy to junction box with provided fasteners.

WARNING
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DUE TO MISWIRING 0-10 VOLT CONTROL
WIRES, OR LOW VOLTAGE LED WIRES
TO LINE VOLTAGE.

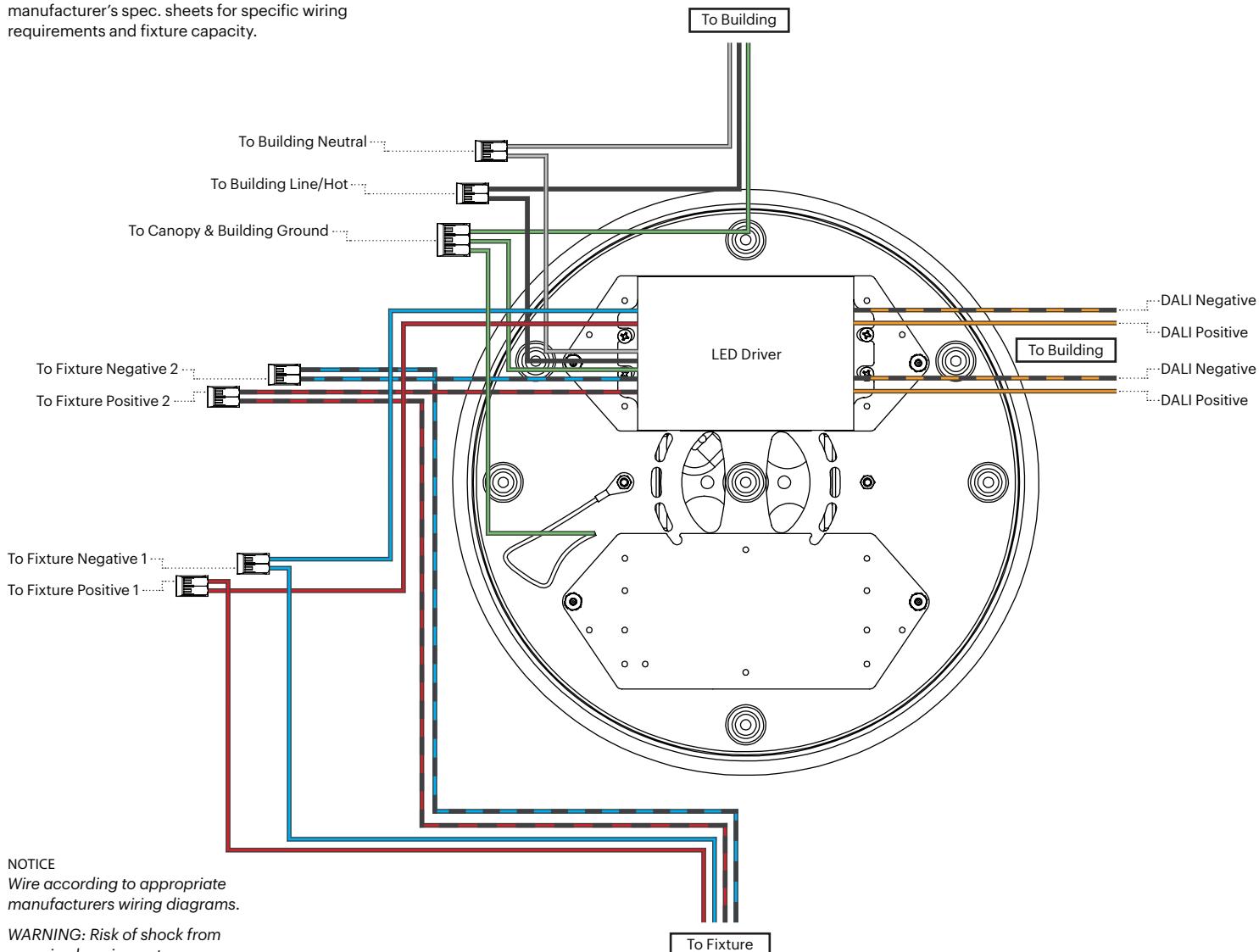
Essentials

(junction box) Wiring Instructions

INSTALLATION INSTRUCTIONS

Wiring Diagram Tuanble White, 1 Driver, Dali

For illustration purposes only. Consult control manufacturer's spec. sheets for specific wiring requirements and fixture capacity.



- ① Feed the multi-wire power cord from the fixture through the strain relief on dress plate. Tighten set screw on strain relief to secure power cord.
- ② Connect the SOLID RED wire from the fixture to the POSITIVE terminal of OUTPUT, GROUP 1 on the driver.
- ③ Connect the DASHED RED wire from the fixture to the POSITIVE terminal of OUTPUT, GROUP 2 on the driver.
- ④ Connect the SOLID BLUE wire from the fixture to the NEGATIVE terminal of OUTPUT, GROUP 1 on the driver.
- ⑤ Push all line voltage connections and all excess wires into the junction box.
- ⑥ Connect the DASHED BLUE wire from the fixture to the NEGATIVE terminal of OUTPUT, GROUP 2 on the driver.
- ⑦ Secure canopy to junction box with provided fasteners.

WARNING
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DUE TO MISWIRING 0-10 VOLT CONTROL
WIRES, OR LOW VOLTAGE LED WIRES
TO LINE VOLTAGE.

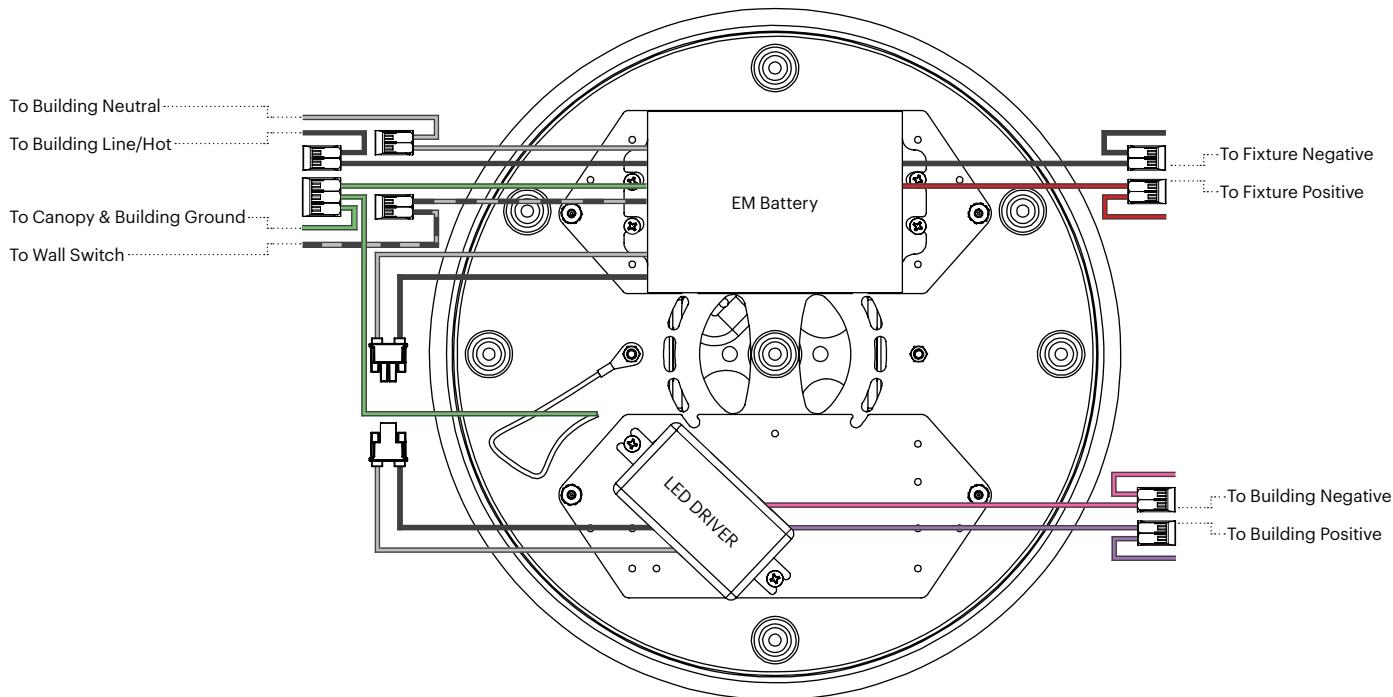
Essentials

(junction box) Wiring Instructions

INSTALLATION INSTRUCTIONS

Wiring Diagram EM Battery

For illustration purposes only. Consult control manufacturer's spec. sheets for specific wiring requirements and fixture capacity.



NOTICE

Wire according to appropriate manufacturers wiring diagrams.

WARNING: Risk of shock from energized equipment.

Always turn power OFF and lock out during fixture installation.

This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

WARNING

LIGHTART IS NOT LIABLE FOR DAMAGE DUE TO MISWIRING 0-10 VOLT CONTROL WIRES, OR LOW VOLTAGE LED WIRES TO LINE VOLTAGE.

- ① Feed the multi-wire power cord from the fixture through the strain relief on dress plate.
- ② Tighten set screw on strain relief to secure power cord.
- ③ Connect the WHITE (Input ACN) power supply wire to the WHITE (ACN) wire of the EM battery. Connect the BLACK (Input ACL) power supply wire to the BLACK (ACL) wire of the EM battery. Connect GREEN (GROUND) power supply wire to the GROUND wire of the EM battery. Connect the switched line (striped) to the wall switch.
- ④ **IMPORTANT:** Connecting the switched line to the wall switch can be optional. If not used the EM battery will engage when fixture is switched off. If not used the striped wire should be connected to the Hot line
- ⑤ Connect the RED (Positive) wire from the fixture to the RED unconnected wire coming out of the BODINE EM battery. Connect the BLUE (Negative) wire from the fixture to the BLUE unconnected wire coming out of the BODINE EM battery.
- ⑥ **OPTIONAL:** Connect the PURPLE (DIMMING +) power supply wire to the DIMMING + wire of the supply circuit. Connect the GRAY (DIMMING -) power supply wire to the DIMMING - wire of the supply circuit.
- ⑦ Plug the EM battery to the LED driver with the orange connectors.
- ⑧ Push all line voltage connections and all excess wires through the top opening of the canopy into the junction box.
- ⑨ Secure canopy to junction box with provided fasteners.
- ⑩ Reattach the dress plate.

Essentials

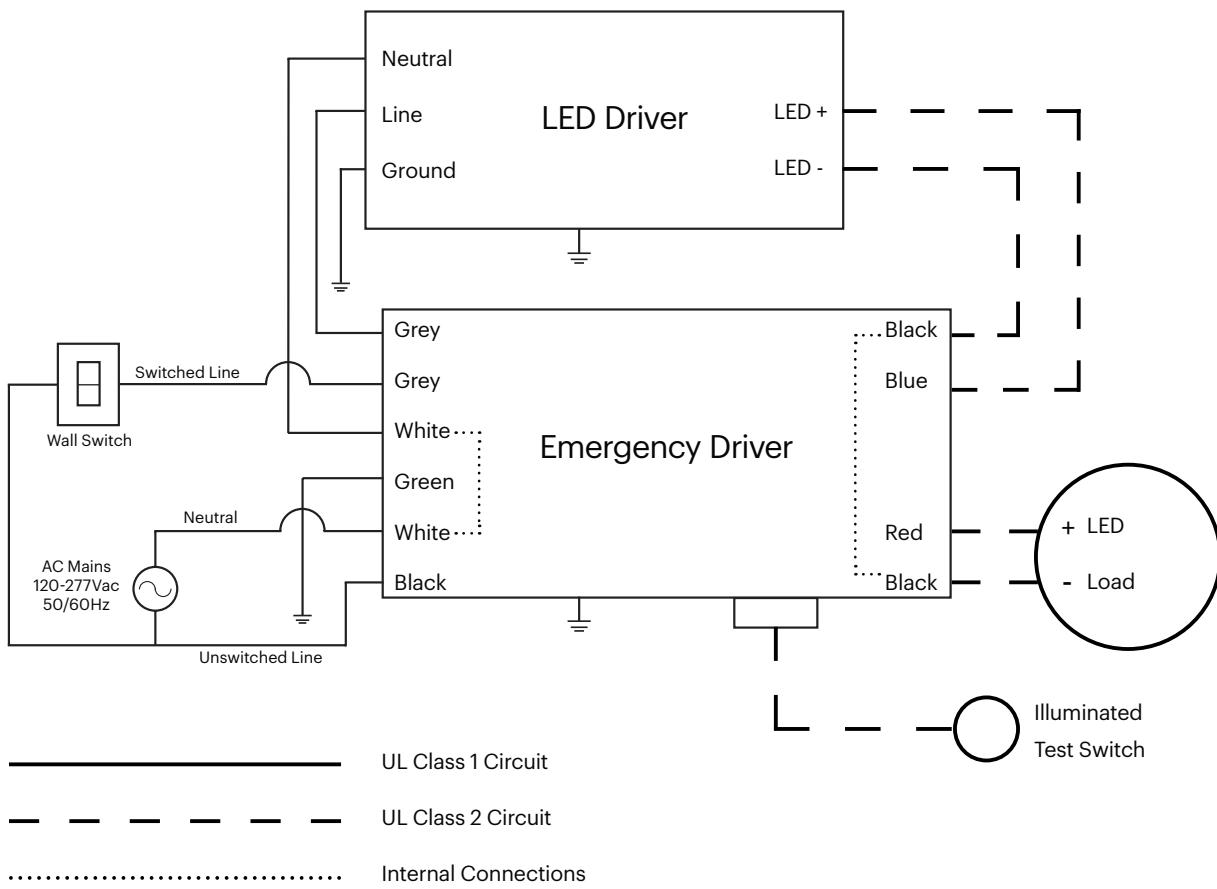
(junction box with pick point)

Wiring Instructions

INSTALLATION INSTRUCTIONS

Wiring Diagram *EM Battery*

For illustration purposes only. Consult control manufacturer's spec. sheets for specific wiring requirements and fixture capacity.



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