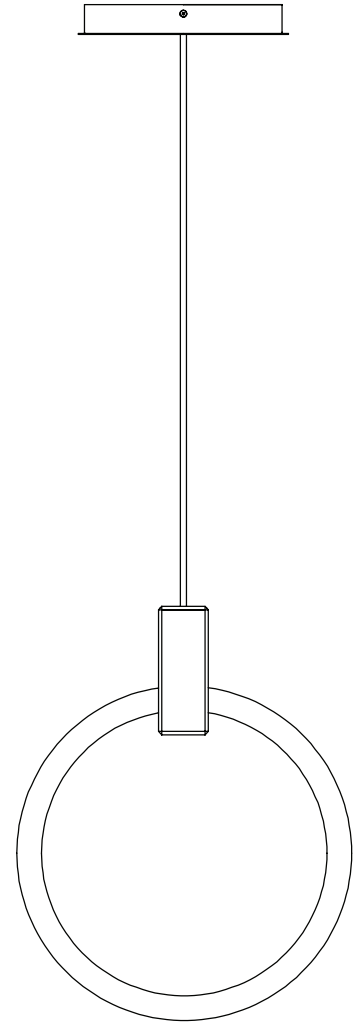
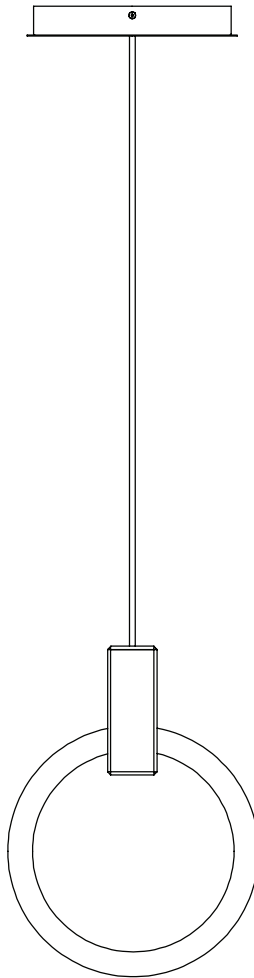
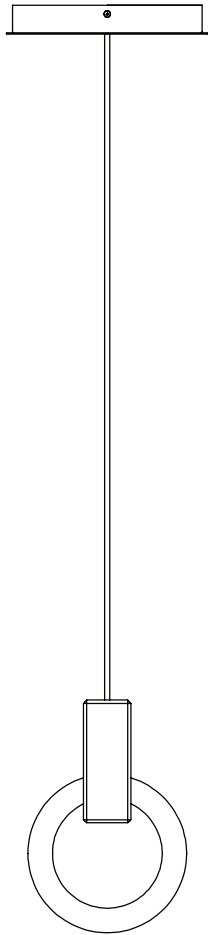




HALO

INSTALLATION INSTRUCTIONS



Designed by Matthew McCormick Studio®

HALO 8,12,16

PRODUCT DESCRIPTION

PENDANTS:	1
CANOPY:	Round 255mm (10.04") diameter x 41mm (1.61") deep
CABLE LENGTH:	Standard 3,000mm (118") coax cable 10,000mm (394") available upon request
VOLTAGE:	12V
WATTAGE:	13W (8") / 19W (12") / 25W (16")
DIMMING:	Phase dimming (0-10V dimming on request)
MOUNT TYPE:	Surface, Recessed and Remote mounting options



READ IN FULL BEFORE COMMENCING WITH INSTALLATION



IMPORTANT SAFETY INSTRUCTIONS

- Ensure the supply voltage is the same as the rated luminary voltage
- Make sure the power supply is OFF before and during Installation
- Low voltage connection **MUST** be done offline; switch off the circuit breaker before doing any connections (connecting the low voltage LED light live may result in damaging the LED)
- Polarity is critical - an inversion will result in a light not firing up
- Do not detach the ground cable from the terminal end when installing pendants

INSTALLATION BY A CERTIFIED PROFESSIONAL

Matthew McCormick Studio (MMS) strongly recommends that installation be done by a certified electrician in accordance to relevant building codes within your jurisdiction. Failure to reference this instruction manual and/or meet proper certification/installation criteria may damage the fixture, in addition to voiding both the warranty and its certifications.

QUESTIONS?

For additional assistance that cannot be answered within this instruction manual, please contact Matthew McCormick Studio directly to avoid product malfunction and/or damaging parts.

info@matthewmccormick.ca

+ 1 888-290-0840

Monday through Friday, 9:00 - 4:30 PM, PST



COMPONENT LIST

Ensure the items listed below are included in your product kit prior to initiating installation. If any items on the component list are missing, please contact Matthew McCormick Studio.

COMPONENT LIST - HALO 8,12,16		
ITEM	PART DESCRIPTION	QUANTITY
A	(i) Strain relief cover	1
	(ii) Screws	3
	(iii) Front plate	1
	(iv) Back plate	1
B	Black Strain relief	1
C	Compact wago 2 conductor	4
D	Driver	1
E	Pendant	1
F	Gloves	1
G	Allen wrench	1
H	Instruction manual	1

TOOLS REQUIRED FOR INSTALLATION (BUT NOT INCLUDED IN KIT):

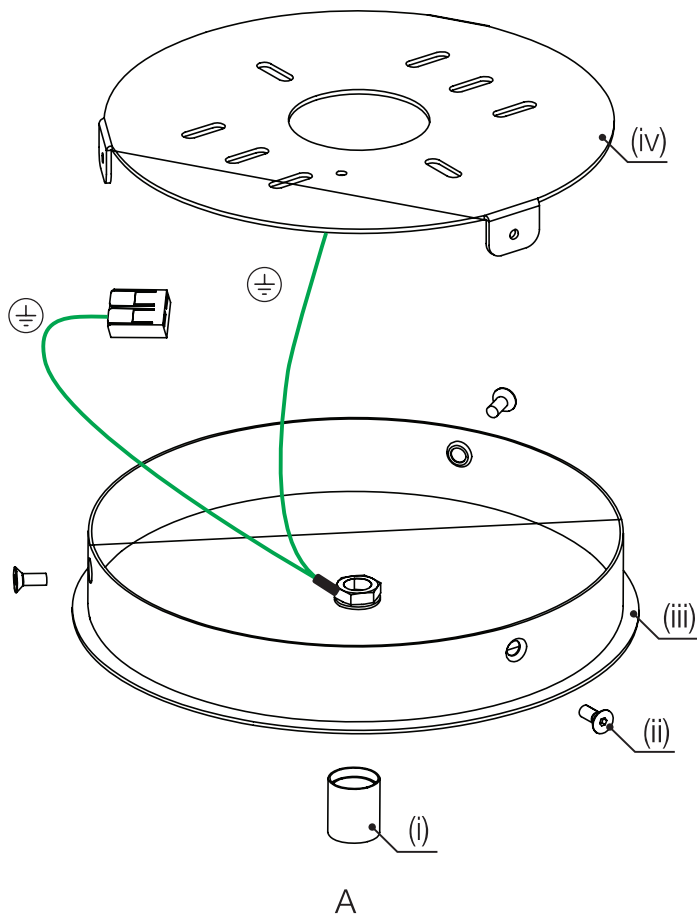
- Screws (for ceiling-mounting back plate, specific to ceiling type)

PREPARATION:

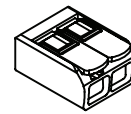
- Before beginning assembly of product, make sure all componentry and tools are in hand. Compare the parts received with delivery checklist above; if any component is missing or damaged, do not attempt to assemble the product until you've contacted MMS.
- Do not discard any contents until after assembly is complete to avoid accidentally discarding small parts or hardware.

IMPORTANT REMINDERS:

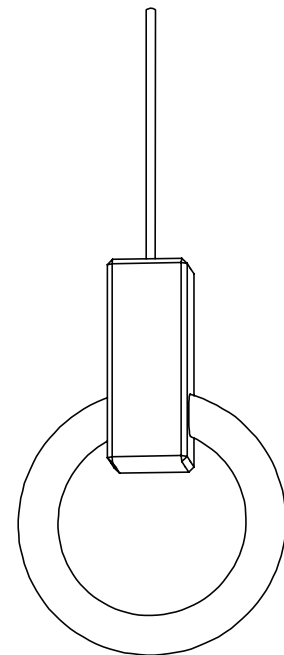
- We strongly recommend that a **certified electrician** installs your fixture.
- Keep flammable material away from the bulb.



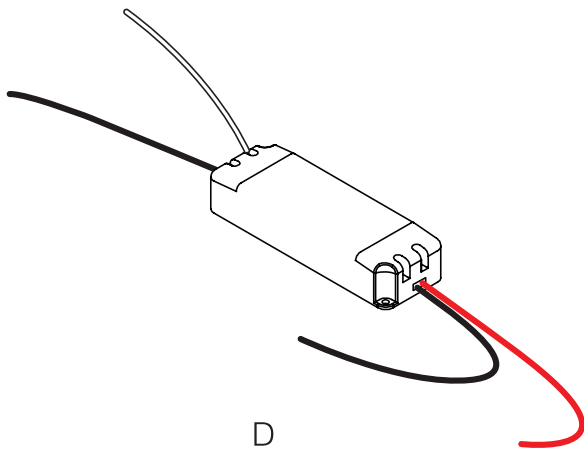
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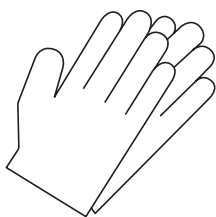
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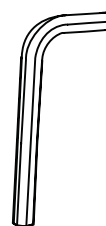
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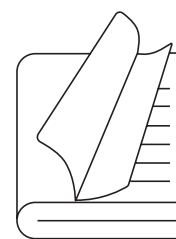
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F



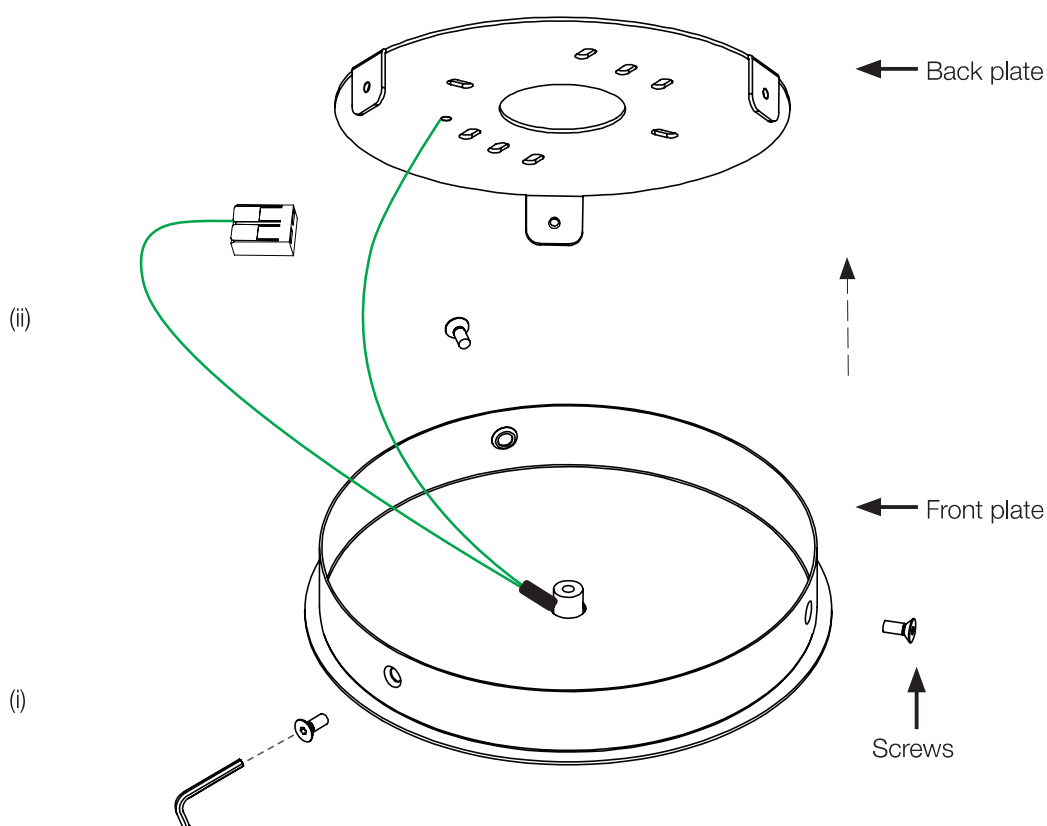
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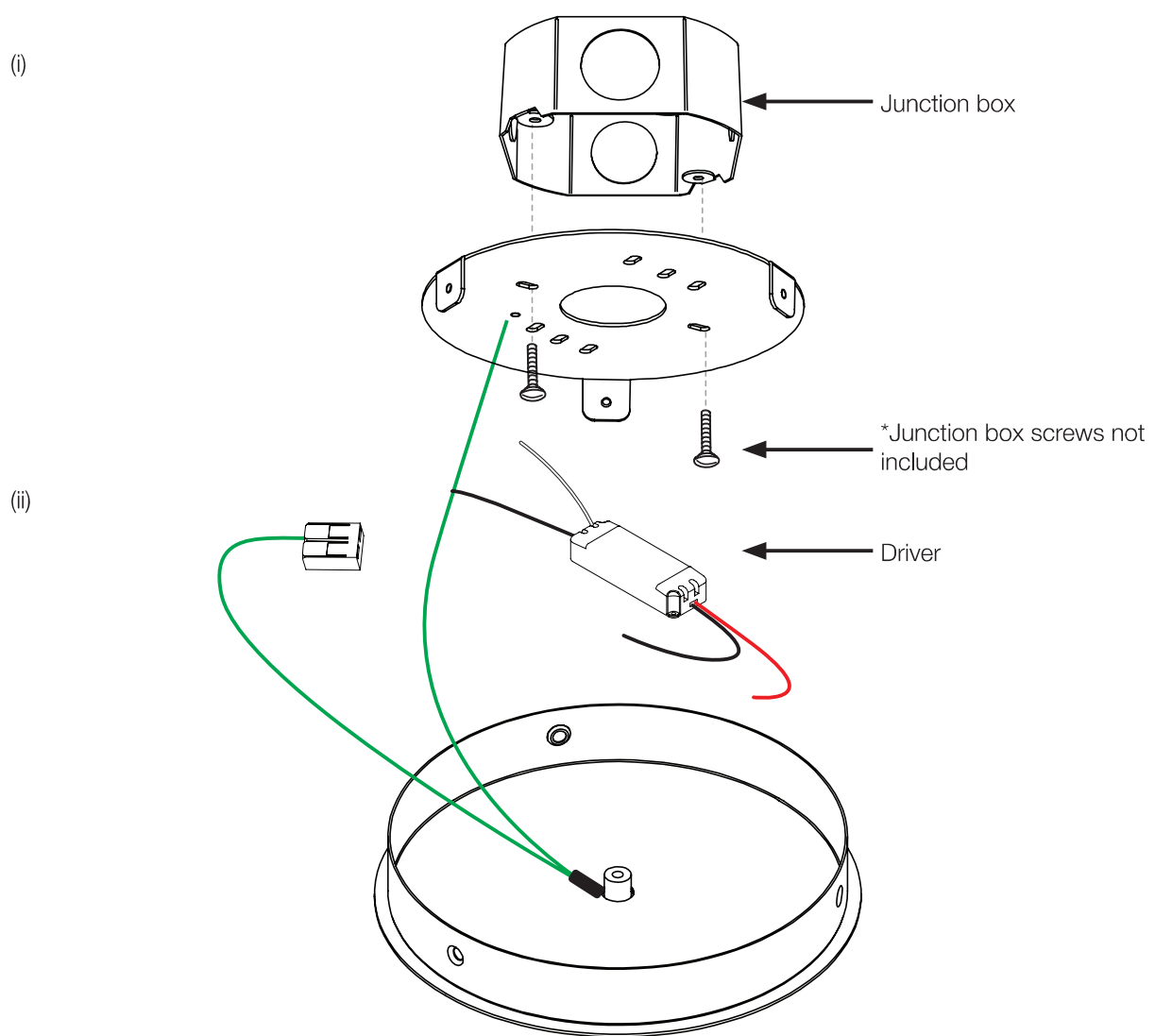


INSTRUCTIONS



1

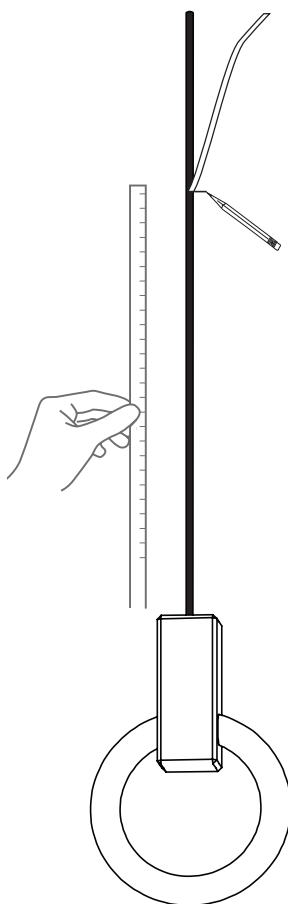
- (i) Use the Allen wrench to remove the three screws on the front plate. Safely store screws aside.
- (ii) Separate the front plate from the back plate. Set aside.



2

- (i) *Affix the backplate to the junction box on the ceiling.
- (ii) Fix the driver to the front plate using the provided adhesive tape.

INSTRUCTIONS

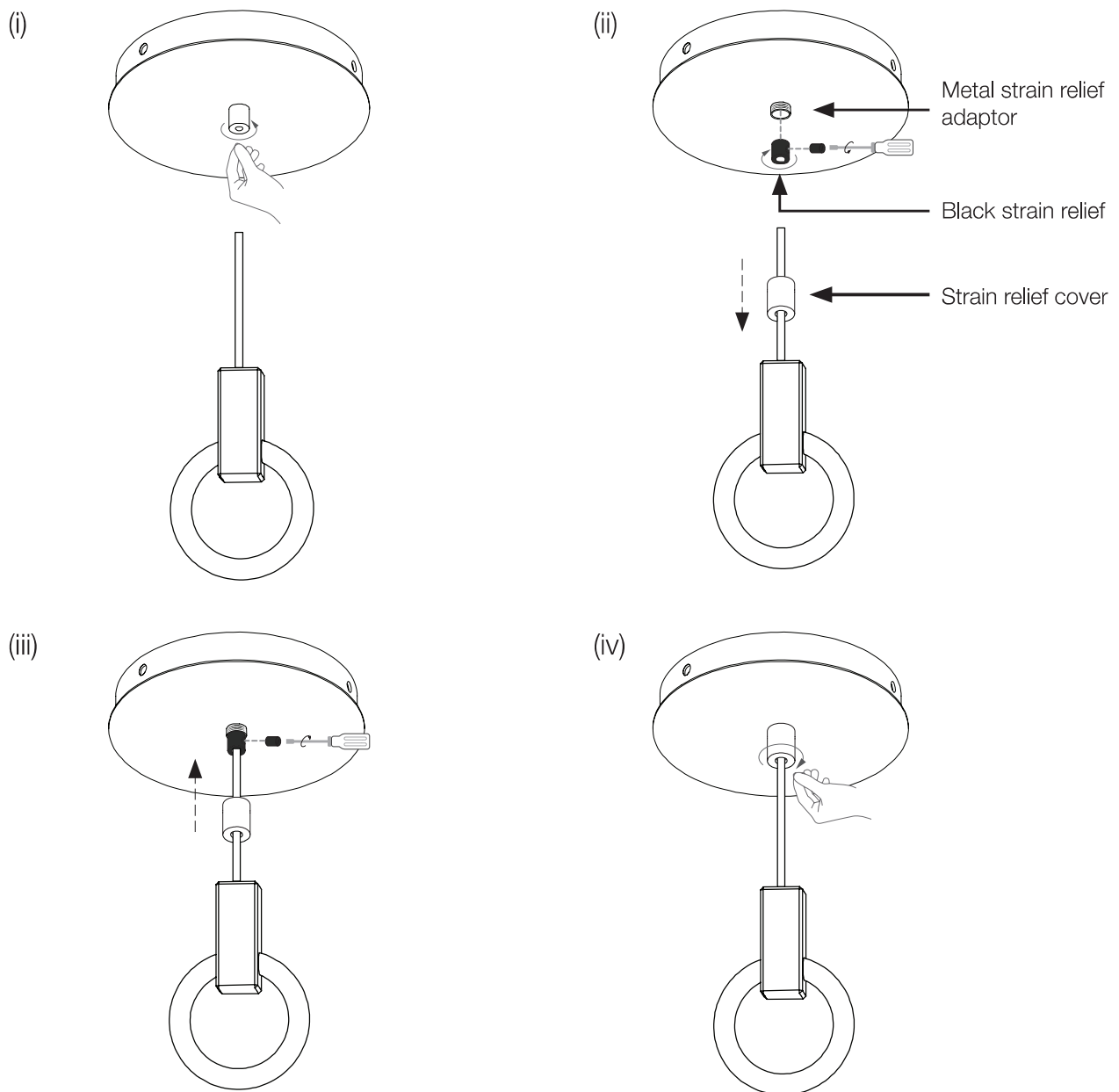


3

Determine the overall drop length of the fixture. Measure and set the cable lengths prior to affixing to the stain relief and faceplate.



DO NOT CUT PENDANT WIRE, DOING SO WILL VOID THE WARRANTY.



4

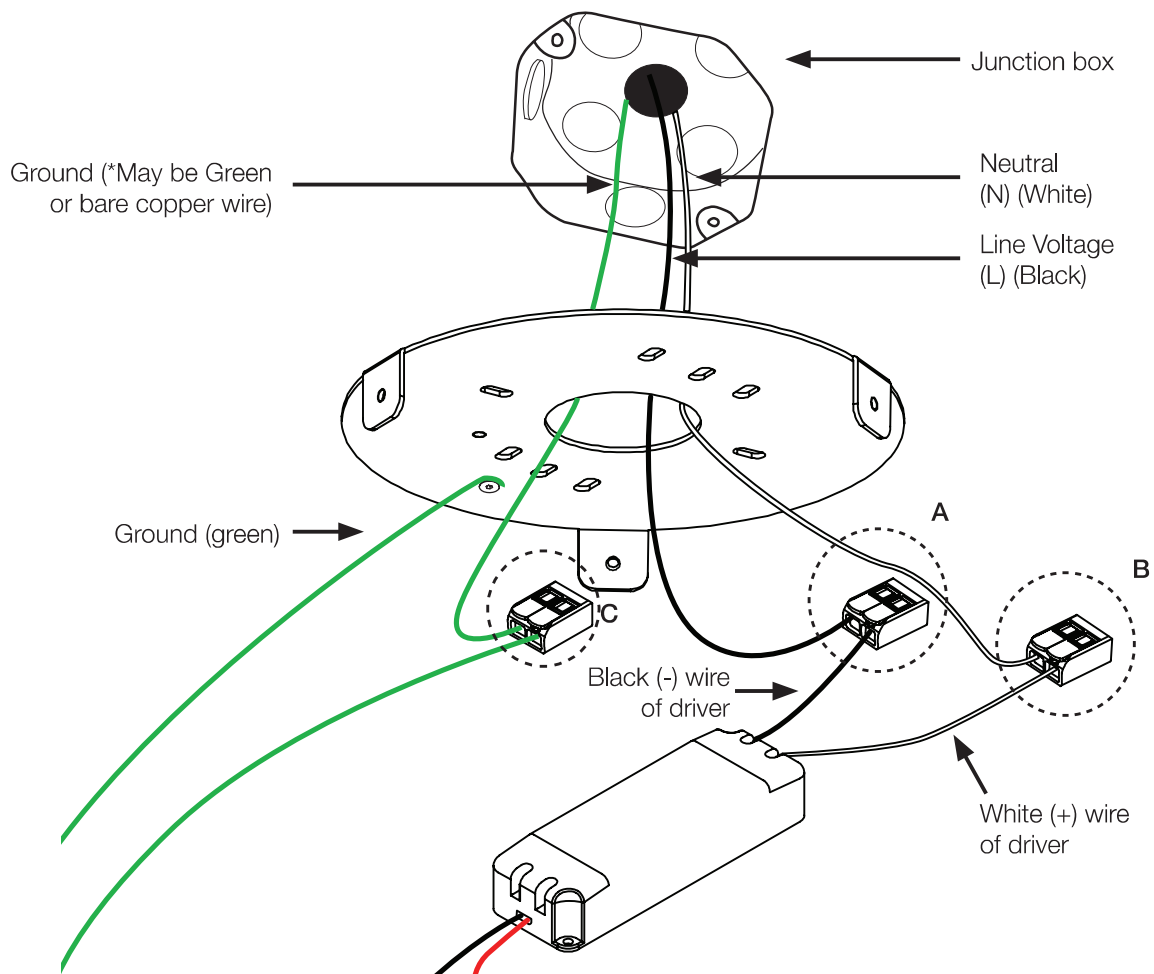
- (i) Unscrew the strain relief cover to expose the metal strain relief adaptor.
- (ii) Thread strain relief cover onto pendant wire. Now screw black strain relief onto metal strain relief adaptor and loosen setscrew.
- (iii) Thread pendant wire through strain relief to desired length and tighten setscrew. Gently tug on pendant wire to confirm pendant is secure.
- (iv) Finish by screwing the strain relief cover over the strain relief onto the metal strain relief adaptor.



DO NOT trim cables to minimum length. Coil excess wire neatly into the canopy.



INSTRUCTIONS



⚠ Ensure that the power breaker is disconnected prior to completing Step 5.

5

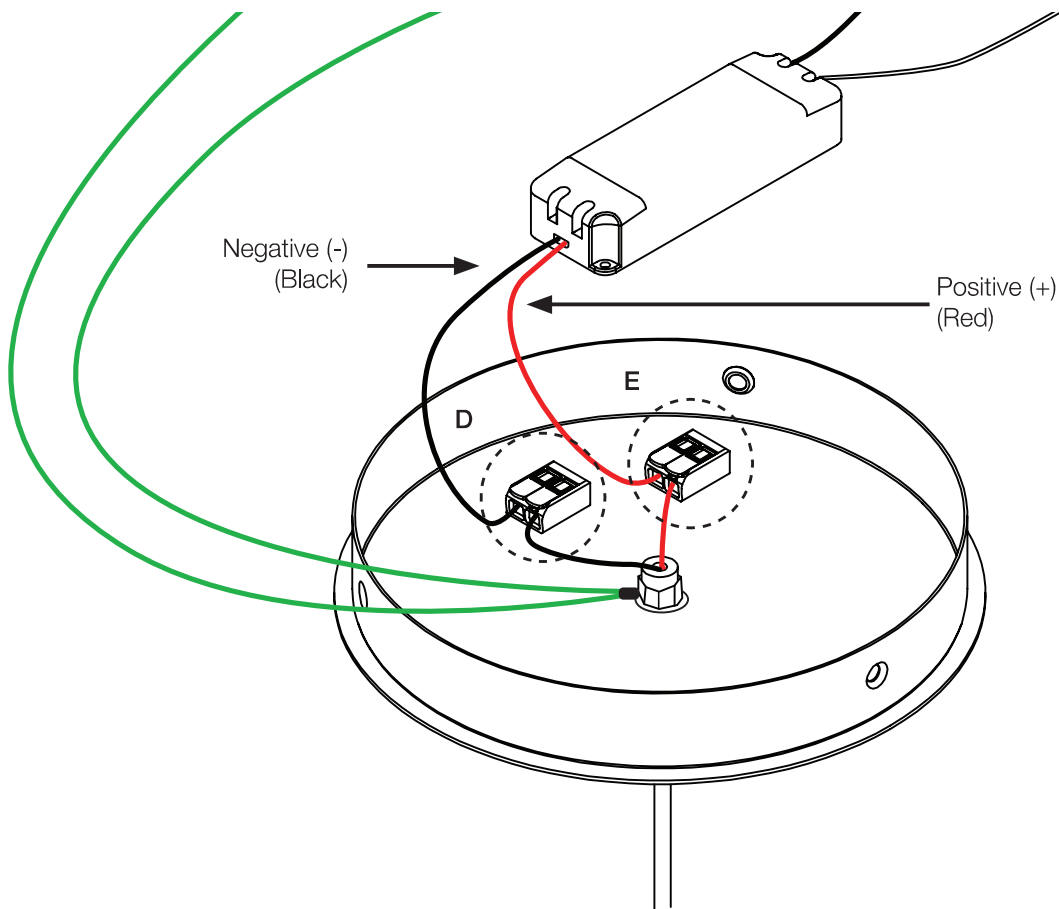
Connect the primary circuit on the LED Driver to input power by connecting power supplies to line voltage (L).

A) Connect the Black Line Voltage (L) wire to the Black (-) wire of driver using wago.

B) Connect the White Neutral (N) wire to the White (+) wire of driver using wago.

C) The Ground wire* (Green) in the junction box should be connected to the ground cable terminal for ground connection.

Please note this setup is for Phase dimming. For detailed wiring instruction please see APPENDIX A. Refer to APPENDIX B for 0-10 dimming set up.



Do not reverse the positive and negative connections; Doing so may compromise your safety.

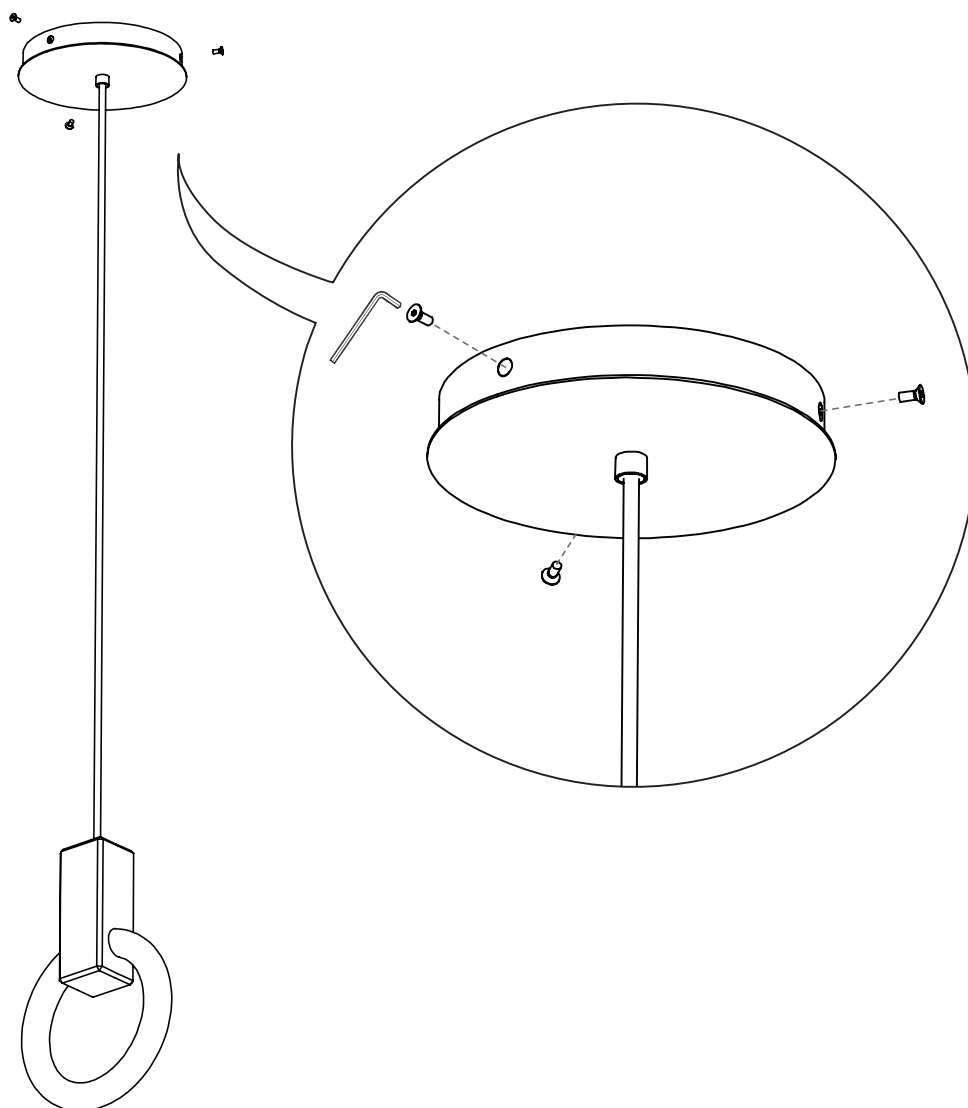
6

Connect the light to the LED driver.

- D)** From the output side of the driver connect the Black (-) wire to the Black (-) wire of the light using Wago.
- E)** From the output side of the driver connect the Red (+) wire to the Red (+) wire of the light using Wago.



INSTRUCTIONS



7

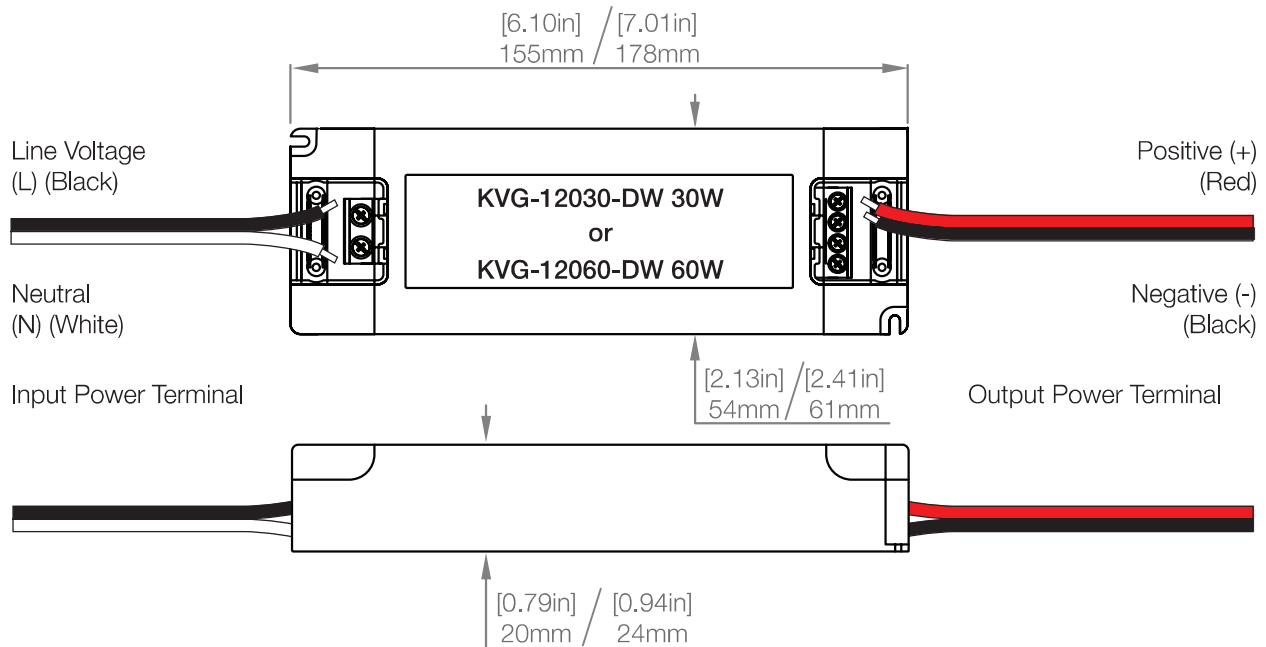
Tuck the wiring neatly into the canopy. Fix the front plate to the back plate using allen wrench and the screws previously saved and ensure cover is properly screwed down.

It is now safe to turn the breaker back on and operate the light.

WIRING INSTRUCTIONS: PHASE DIMMING

APPENDIX A

MECHANICAL SPECIFICATION



FEATURES

- Output: Constant Voltage
- Range: 100-277VAC
- PFC design: Built-in active PFC function
- Efficiency: Up to 80%
- Protections: Short circuit/ over load/ over temperature
- Heat dissipation: Cooling by free air convection
- Waterproof performance: Full protection plastic housing, for dry, damp locations
- Dimming function: Phase dimming: work with forward phase, MLV and Reverse phase, ELV, TRIAC dimmers.
- 0-10V dimming: 0-10V/1-10V/Potentiometer/10V PWM 4 in 1
- Dimming range: 0-100%
- Certificate: UL / cUL / FCC / Class 2 / CE / ROHS / Reach



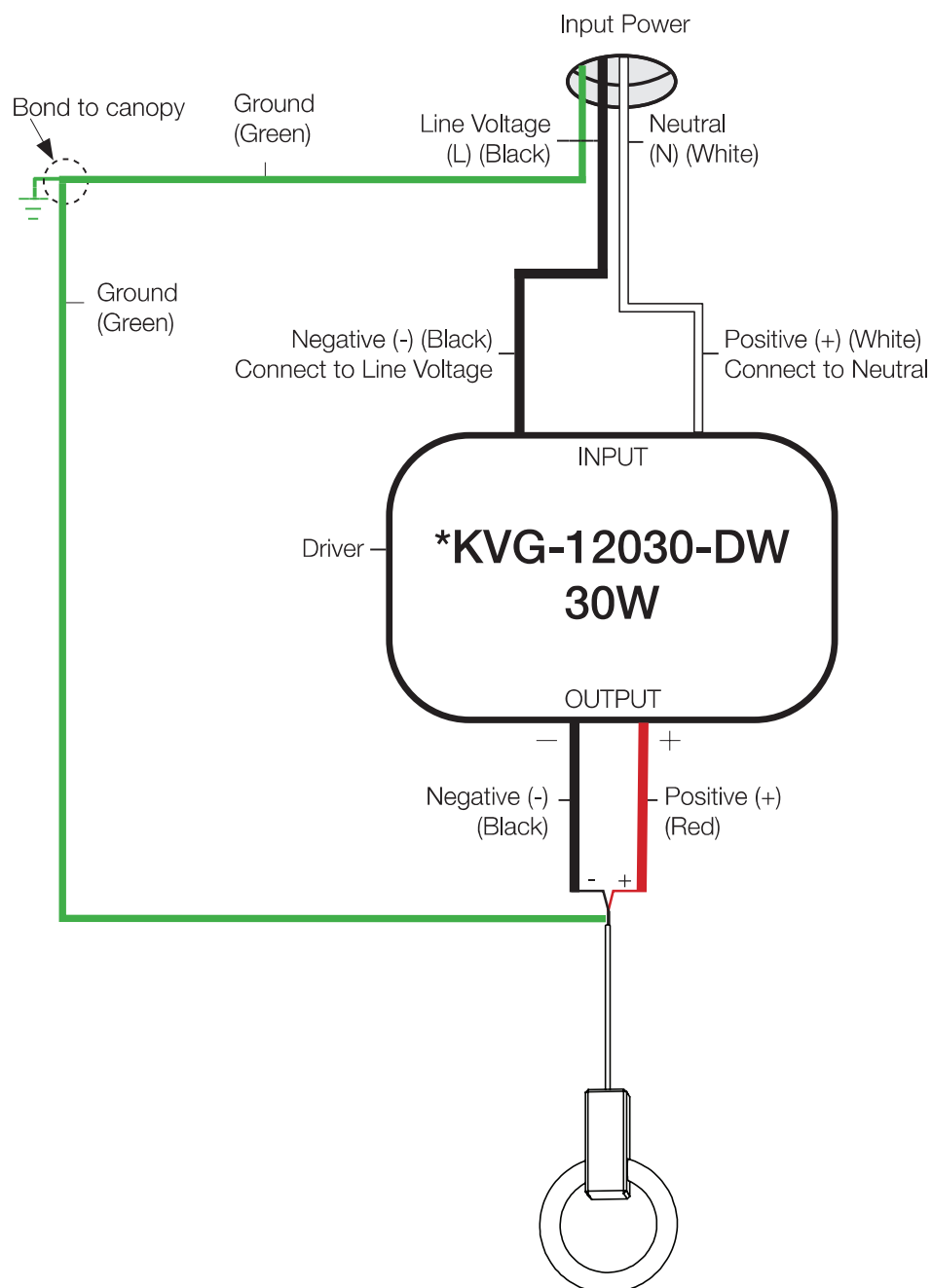
Class2



WIRING INSTRUCTIONS: PHASE DIMMING APPENDIX A



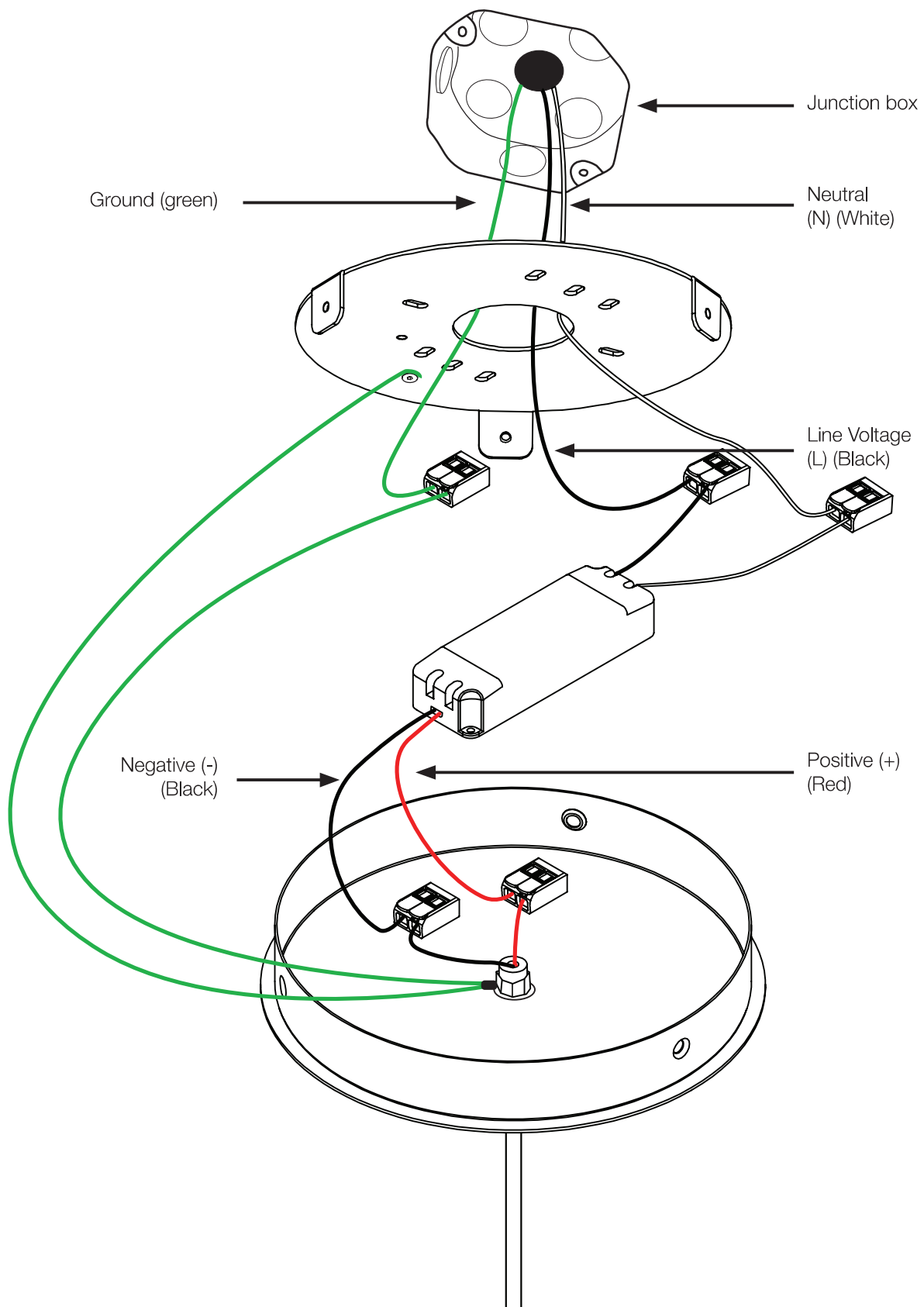
CAUTION! Ensure that the power breaker is disconnected prior to starting.



* For Halo 16: KVG-12060-DW 60w

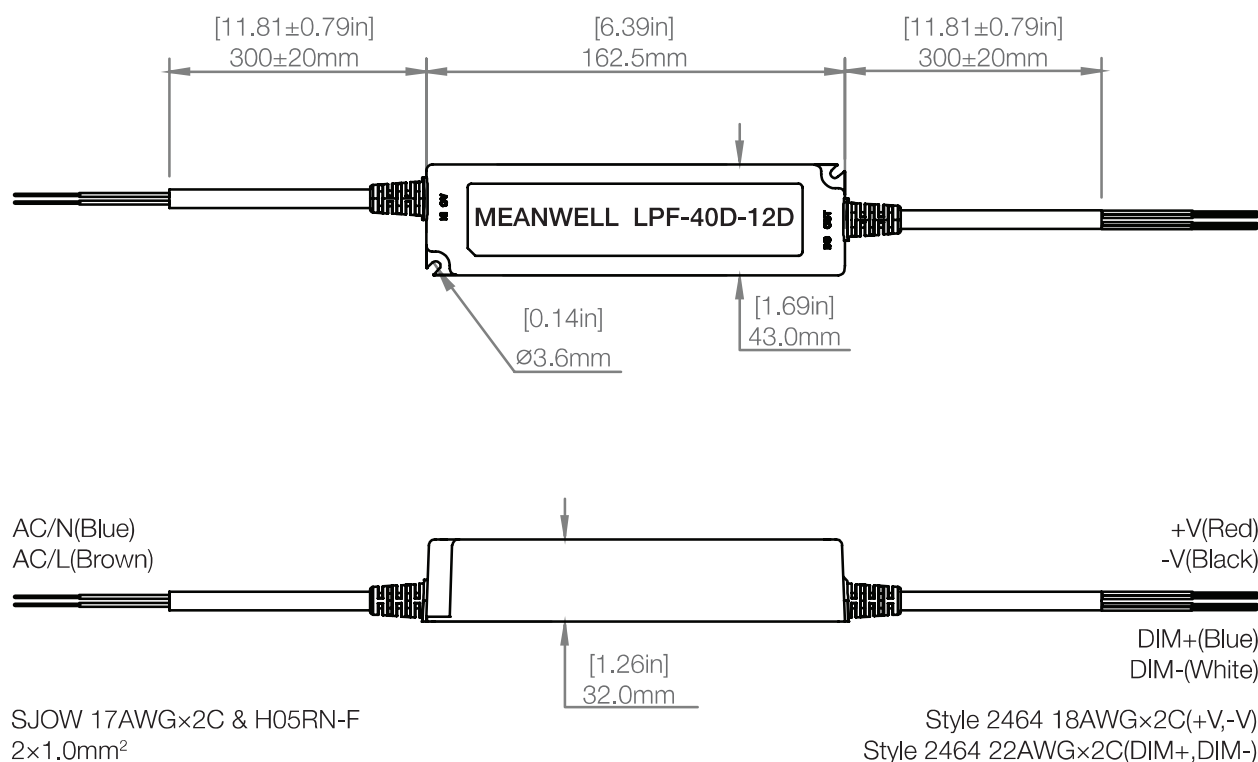
NOTE: Outside of North America, the Neutral and Line Voltage wire colours may be different.

WIRING CONNECTION OVERVIEW



WIRING INSTRUCTIONS - 0-10V DIMMING APPENDIX B

MECHANICAL SPECIFICATION



DESCRIPTION

LPF-40D series is a 40W AC/DC LED driver featuring the constant current output. LPF-40D operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the efficiency up to 89%, with the fanless design, the entire series is able to operate for -40°C ~ +80°C case temperature under free air convection. The entire series is rated with IP67 ingress protection level and is suitable to work for a variety of applications at dry, damp or wet locations. LPF-40D is equipped with the 3 in 1 dimming function so as to provide the design flexibility for LED lighting system.

SAFETY AND WARNINGS

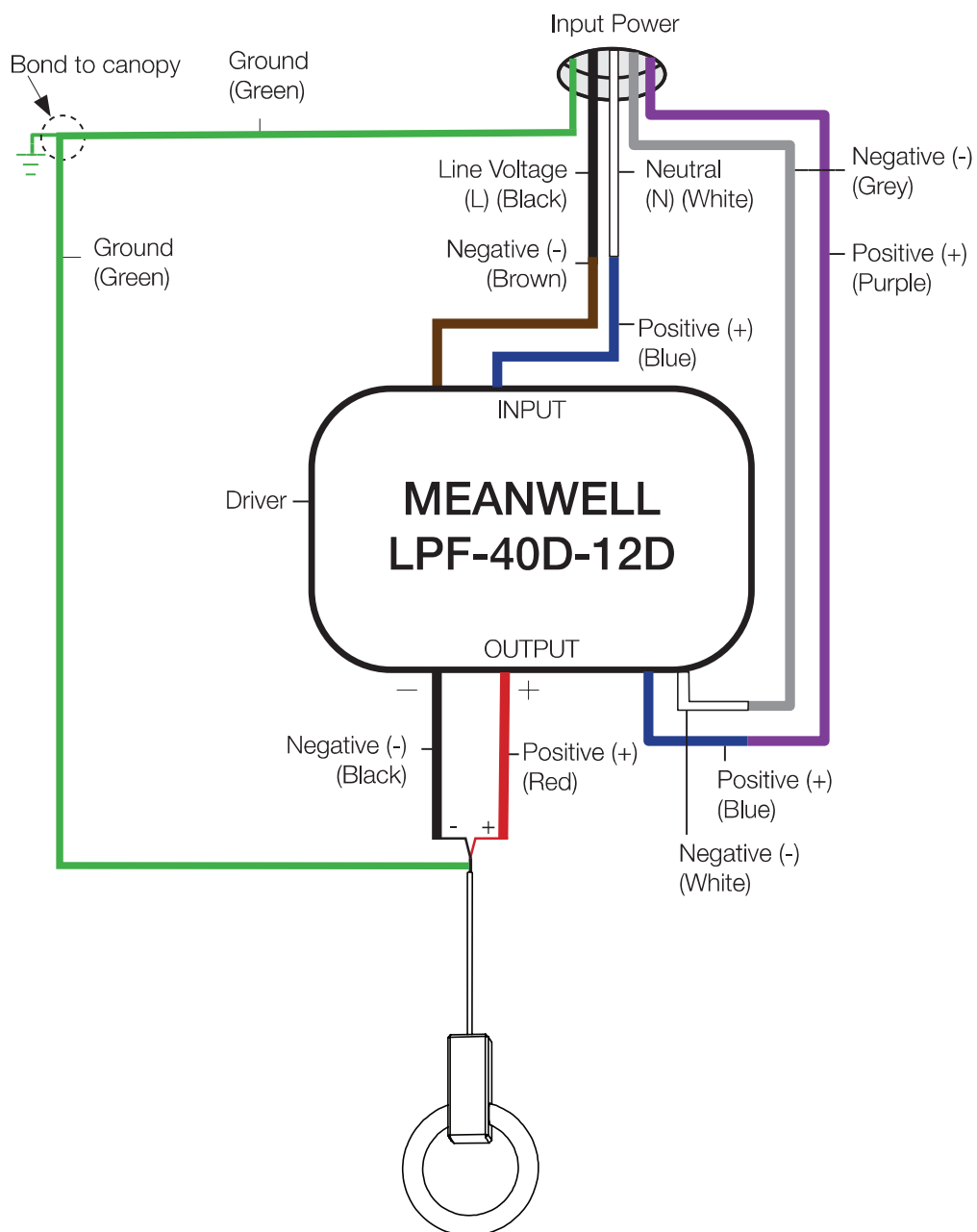
- Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician. Please do not remove the case of the power supply by yourself!
- Risk of irreparable damage. LED power supplies with IP64 to IP66 rating must be located indoors or in a location where these units can be sheltered from the rain if outdoors.
- Please do not install LED power supplies in places with high ambient temperature or close to fire source. Please refer to the specifications about the maximum ambient temperature limitations.
- Output current and output wattage must not exceed the rated values on the specifications.
- The FG (⊕) must be well connected to PE(protective earth) if the unit equips with it.
- All MW's PSUs are designed in accordance with EMC regulations and the related test reports are available by request. Since they are belong to component power supplies and will be installed inside system enclosure, when they are integrated into a system, the EMC characteristics of the end system must be re-verified again.



WIRING INSTRUCTIONS: 0-10V DIMMING APPENDIX B

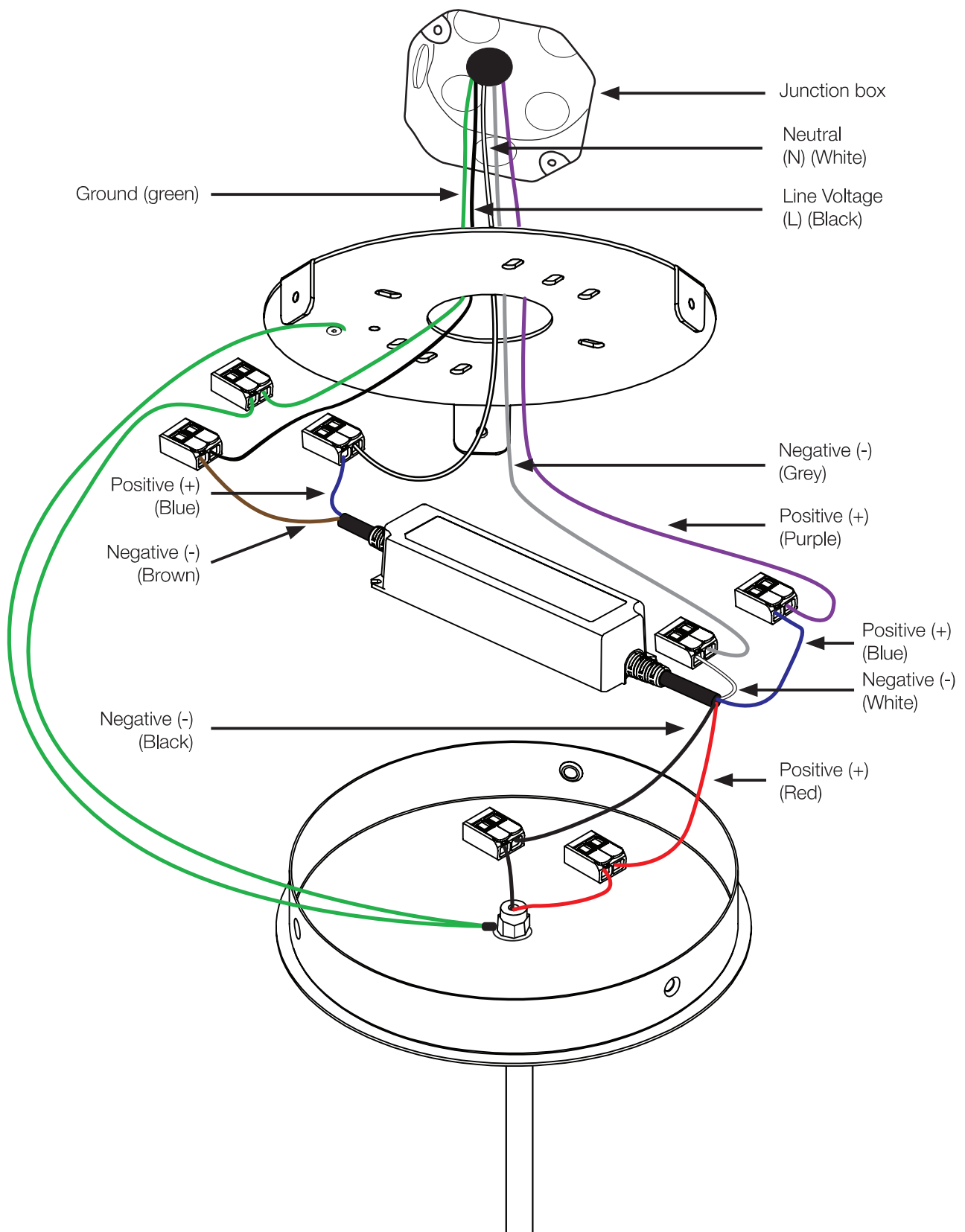


CAUTION! Ensure that the power breaker is disconnected prior to starting.



NOTE: Outside of North America, the Neutral and Line Voltage wire colours may be different.

WIRING CONNECTION OVERVIEW





MATTHEW McCORMICK

10-2024