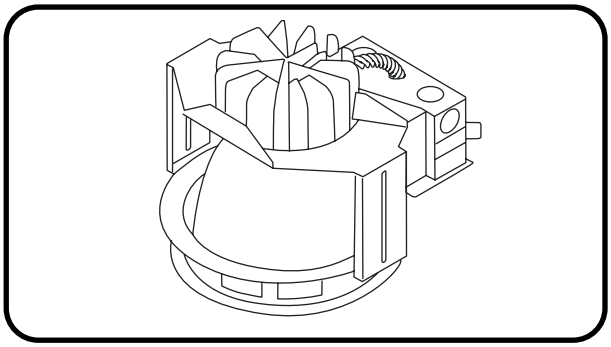
Lumination® Decaux

New Construction Downlight



STOP

BEFORE YOU BEGIN

Read these instructions completely and carefully.

⚠ WARNING / AVERTISSEMENT

RISK OF ELECTRIC SHOCK
- Turn power off before inspection, installation or removal.
- Properly ground electrical enclosure.

RISK OF FIRE
- Follow all NEC and local codes.
- Use only UL approved wire for input / output connections. Minimum size 18 AWG or 14 AWG for continuous runs.

RISQUES DE DÉCHARGES ÉLECTRIQUES
- Coupez l'alimentation avant d'inspecter, installer ou déplacer le luminaire.
- Assurez-vous de correctement mettre à la terre le boîtier d'alimentation électrique.

RISQUES D'INCENDIE
- Respectez tous les codes NEC et codes locaux.
- N'utilisez que des fils approuvés par UL pour les entrées/sorties de connexion. Taille minimum 18 AWGou 14 AWG pour les rangées continues.

Save These Instructions

Use only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.

This device complies with Part 15 of the FCC Rules. Operation is subject tothe following two conditions: (1) This device may not cause harmful interference,and (2) this device must accept any interference received, including interference that may cause undesired operation.
CAN ICE-005(A)/NMB-005(A)

Note: This equipment has been tested and found to comply with the limits for a Class Adigital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

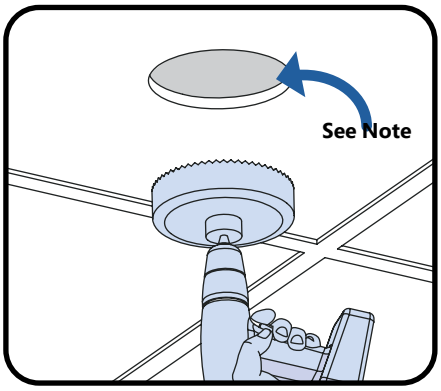
Prepare Electrical Wiring

Electrical Requirements
- The LED driver must be uspplied with 120V to 277V for LDXBxx0xxxxxxx fixtures and 347V for LDXBxxDxxxxxxx fixtures. 50/60 Hz and connected to an individual properly grounded branch circuit, protected by a 20 ampere circuit breaker. Use min. 90°C supply conductor.

Grounding Instructions
- The grounding and bonding of the overall system shall be done in accordance to local electric code of the country where the luminire is installed.

© 2023 Current Lighting Solutions, LLC. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

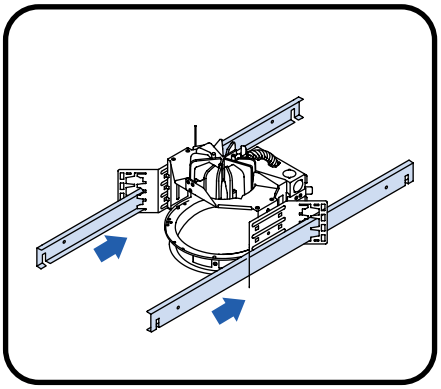
Unit Installation



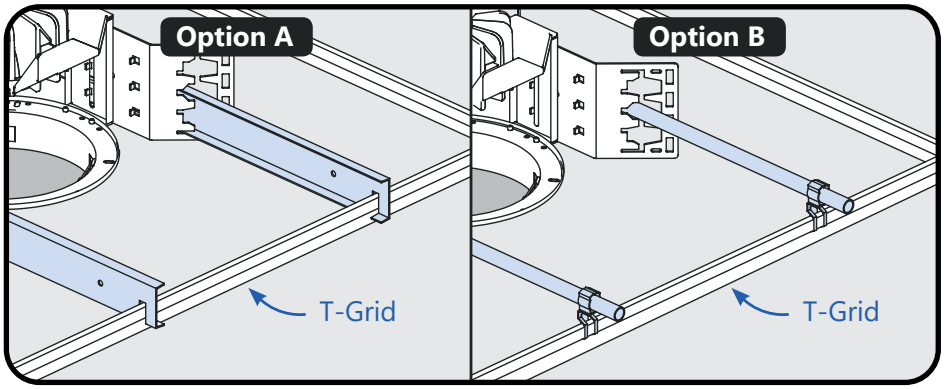
Fixture	Hole Size
4 in. round fixture	5 in. (126mm) diameter hole
6 in. round fixture	6 1/2 in. (165mm) diameter hole
4 in. square fixture	5 1/2 in. x 5 1/2 in. (140mm x 140mm)
6 in. square fixture	7 in. x 7 in. (178mm x 178mm)

NOTE: The maximum ceiling thickness is 1 1/4 in. (32mm).

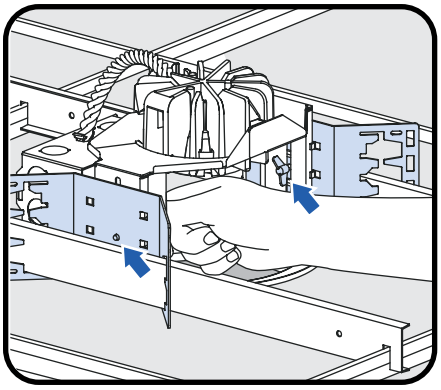
1. Cut the appropriate size hole into ceiling tile (see table at right).



2. Slide hanger bars through adjustable mounting brackets. Hanger bars must be ordered separately.

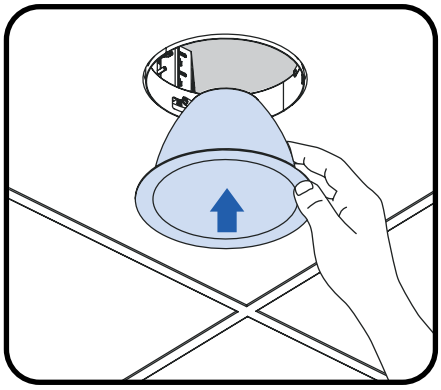


3. **Option A:** Mounting fixture by attaching hanger bars to T-Grid ceiling.
Option B: Mounting fixture with 1/2" EMT conduit. Supplied by 3rd party.



4. Adjust fixture height to be flush with ceiling and secure by tightening both adjustable mounting bracket wingnuts.

NOTE: Refer to step 7 for trimless installation

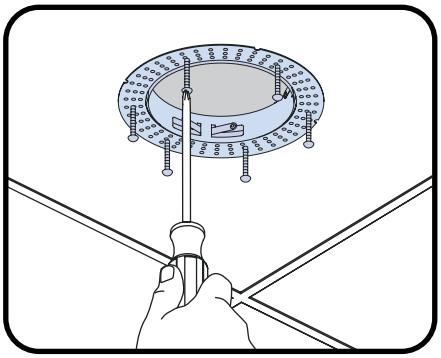


5. Slide reflector into the fixture. Verify reflector trim is flush with ceiling. Repeat step 4 if trim is not flush.

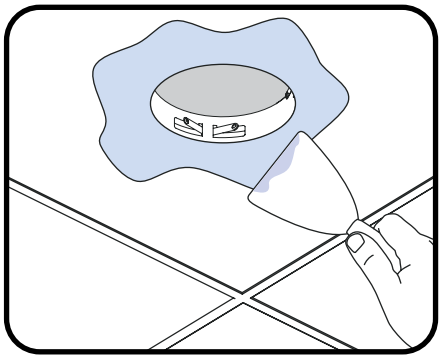
For wall wash reflectors, position reflector so that light is directed towards wall.

© 2023 Current Lighting Solutions, LLC. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

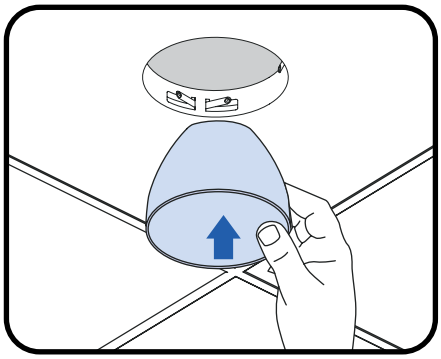
Trimless Option Appendix for Drywall Application



6 Ensure that muddy frame is lined up with rig frame and secure it to the ceiling using fine thread 6 x 1¼ #2 drywall screws (not included). Prior to plastering and painting, insert the light reflector to ensure that reflector is fush with the ceiling. Repeat step 4 for height adjustment if needed.



7 Plaster onto the muddy frame and ceiling. Repeat plastering process if needed. Sand and paint once plaster is set.

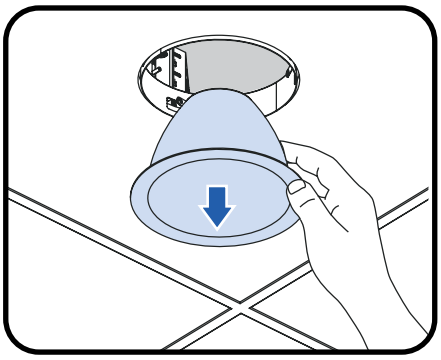


8 Dust off any particles that may have adhered to the light module. Slide the reflector into the fixture.

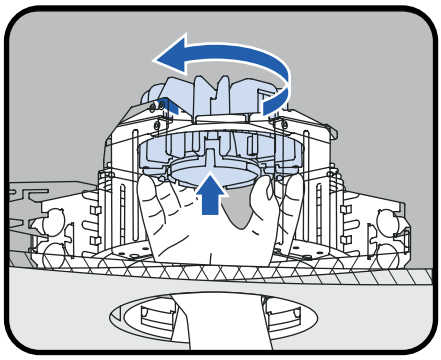
© 2023 Current Lighting Solutions, LLC. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

Replacing the LED Module

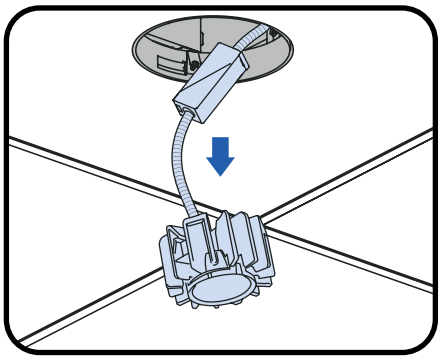
1. Turn off power.



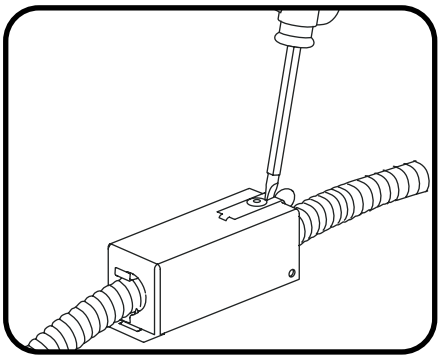
2. Remove reflector from fixture. Save for future re-installation.



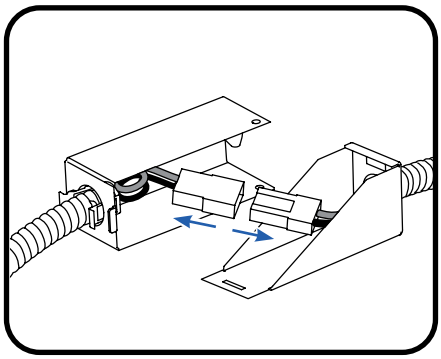
3. Reach inside and push LED module upward and then counterclockwise to disengage 3 clips.



4. Move LED module inside the room.

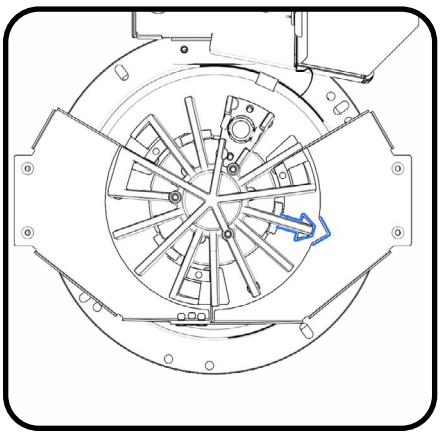


5. Open quick disconnect J-box with flathead screwdriver.



6. Disconnect DC connection.

7. Reverse steps 1-6 using the replacement LED module.

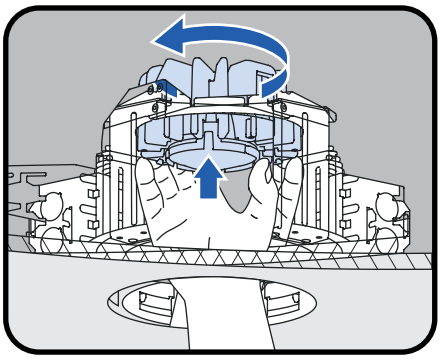


Note: Align both arrows before installing the light engine. Once both arrows are aligned, push the LED module and then rotate it clockwise to engage 3 clips.

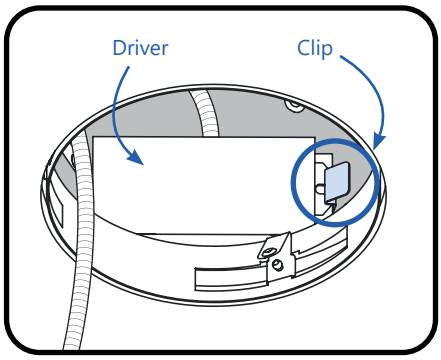
© 2023 Current Lighting Solutions, LLC. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

Driver Replacement

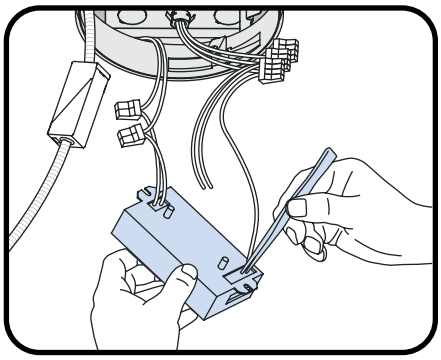
1. Turn off power and remove reflector.



2. Remove LED module by and pushing upward and then counterclockwise to disengage 3 clips.



3. Disengage driver by pulling on clip.



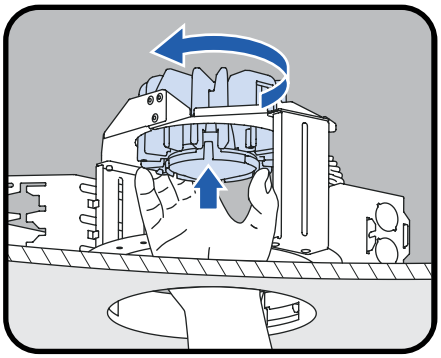
4. Bring driver inside the room and remove connections with a pair of tweezers or a small screwdriver.

5. Re-install replacement driver by reversing steps 1-4.

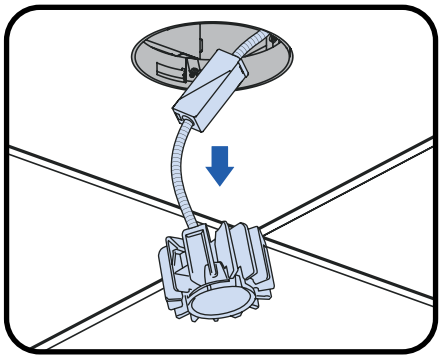
© 2023 Current Lighting Solutions, LLC. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

Extension Tray Replacement

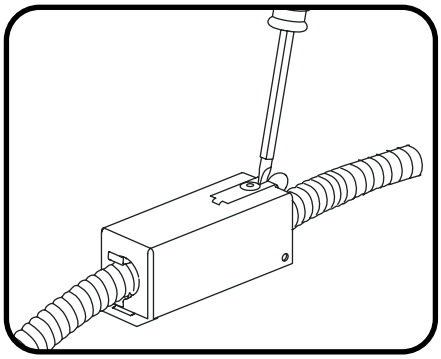
1. Remove LED module by pushing up, then turning counterclockwise to disengage 3 clips.



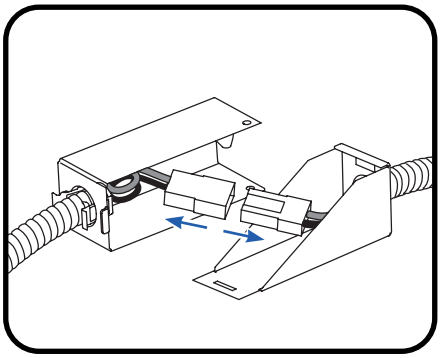
2. Remove LED module by pushing up, then counterclockwise to disengage 3 clips.



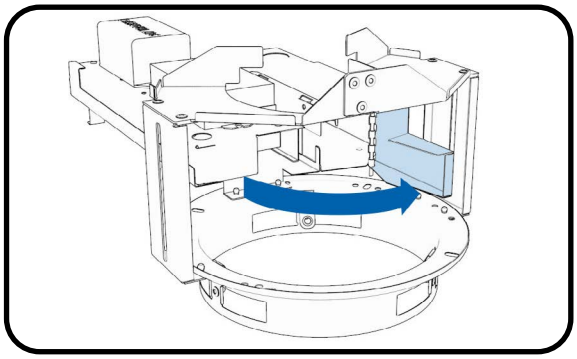
3. Remove LED module from frame, bringing below the ceiling plane.



4. Open quick disconnect J-box with flathead screwdriver.



5. Disconnect DC connection.

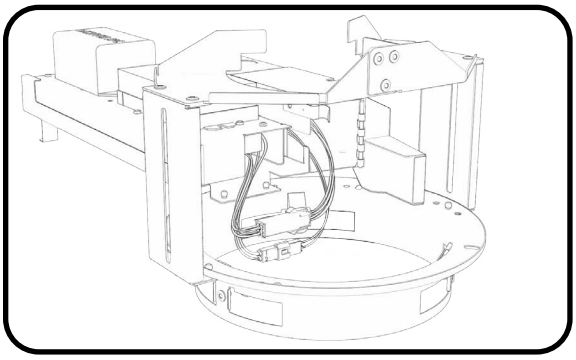


6. Open door.
NOTE: Some parts in the illustraition are hidden for clarity.

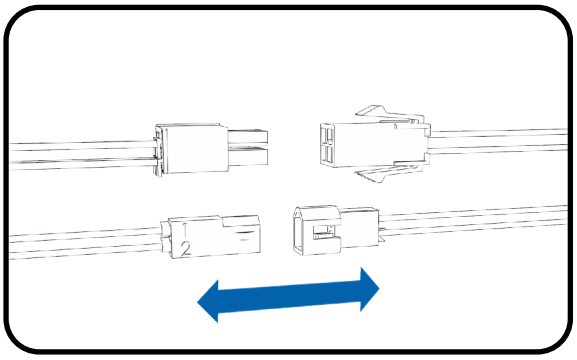
Continued on pg 7

© 2023 Current Lighting Solutions, LLC. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

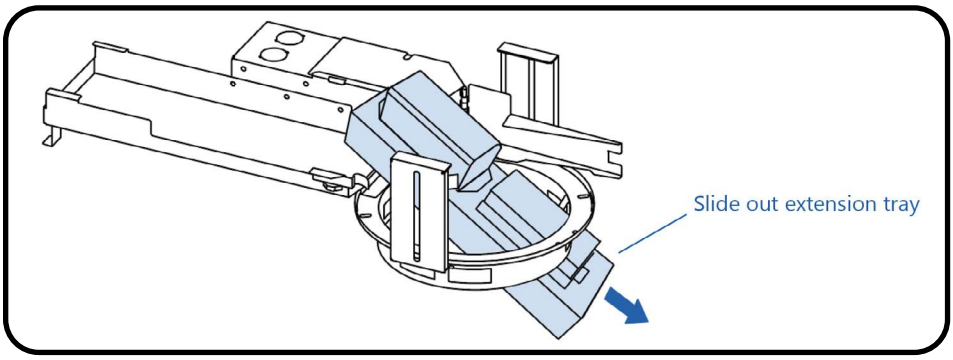
Extension Tray Replacement



7 Bring all connections from the JBox to the downlight opening.



8 Disconnect AC connections, dimming and test button.



9 Pull out the extension tray.
NOTE: Some parts in the illustraition are hidden for clarity.

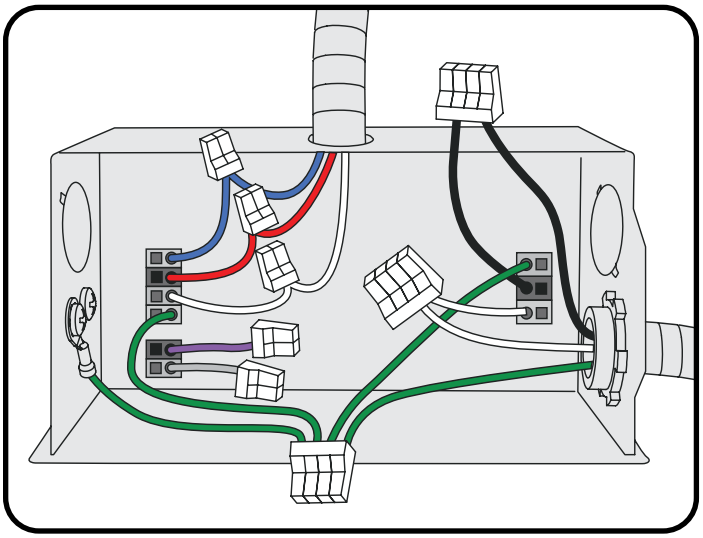
10 Re-install replacement tray by reversing steps 1-9.

© 2023 Current Lighting Solutions, LLC. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

Electrical Connections

For Standard (VQ):

Connect the black (line) of the AC line to the black 120V, 277V, or 347V wire. Connect the white (neutral) wires of the AC line to the white wires using the provided 18-12 AWG push-in connectors. Finally, connect the green (ground) wire of the AC line to the green wire using the provided 18-12 AWG push-in connector.



Optional: If using a 0-10V dimming controller, connect matching-colored wires together.

Risk of damage: Make sure that supply connection, light fixture wiring, and dimming cables are connected to proper driver inputs. Wrong connection may cause damage to the product.

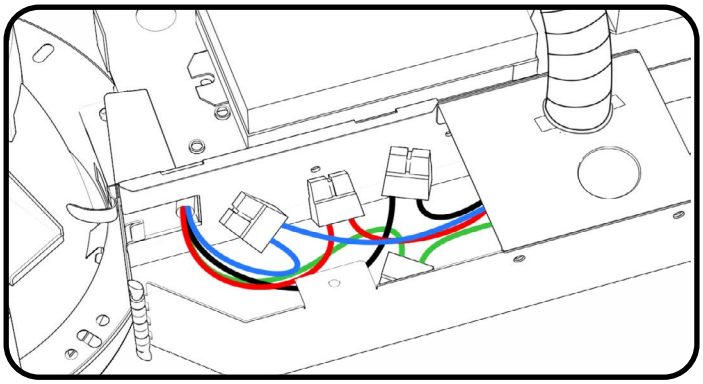
Must use UL approved conduit fitting for all enclosure box connections to prevent wire cuts by sharp edges and excessive strain on wiring.

For Options (TQ and TS):

Connect the black (line) of the AC line to the black 120V, 277V, or 347V wire. Connect the white (neutral) wires of the AC line to the white wires using the provided 18-12 AWG push-in connectors. Finally, connect the green (ground) wire of the AC line to the green wire using the provided 18-12 AWG push-in connector.Leave the red wire unconnected.

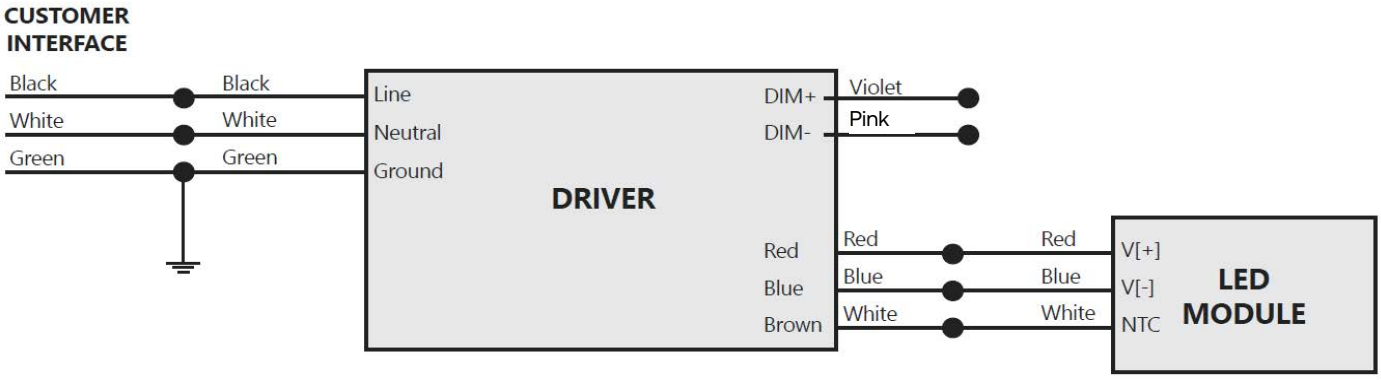
For Options (EL):

Connect the black (line) of the AC line to the black 120V, 277V or 347V wire. Connect the white (neutral) wires of the AC line to the white wires using the provided 18-12 AWG push-in connectors. Connect the unswitched line of the AC line to the red wire. Finally, connect the green (ground) wire of the AC line to the green wire using the provided 18-12 AWG push-in connector.Leave the red wire unconnected.



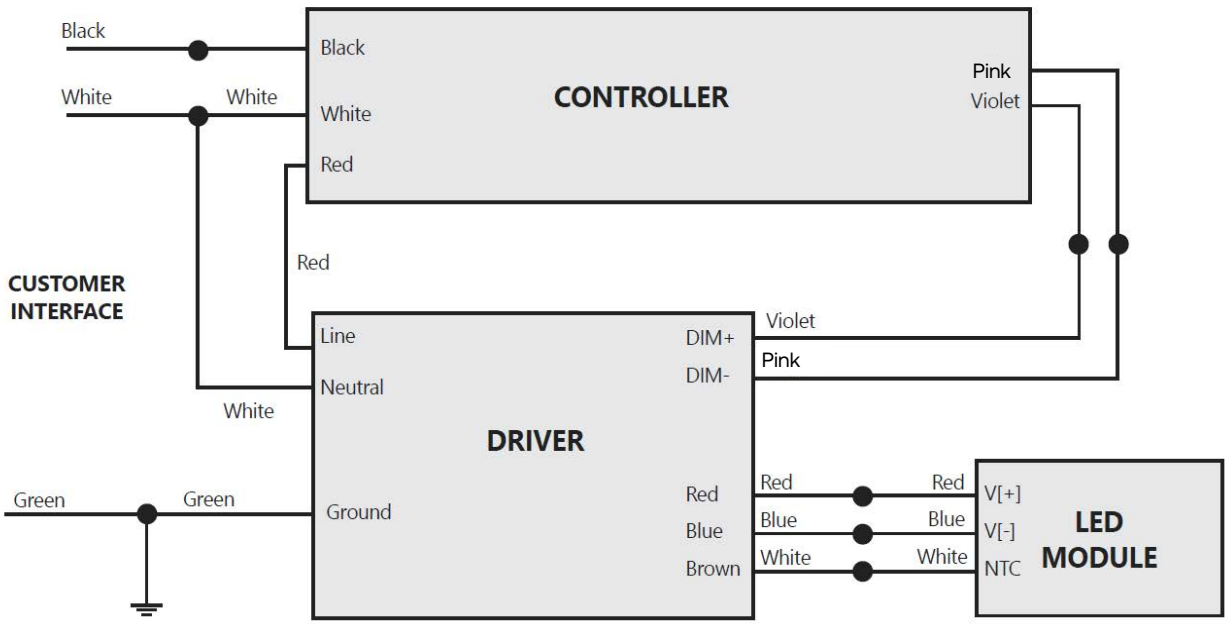
Warning: Close the door or the cover after finishing the wiring.
Make sure to rescrew the screw for the configurations TQ, TS or EL.

120-277V And 347V With Controls Code VQ

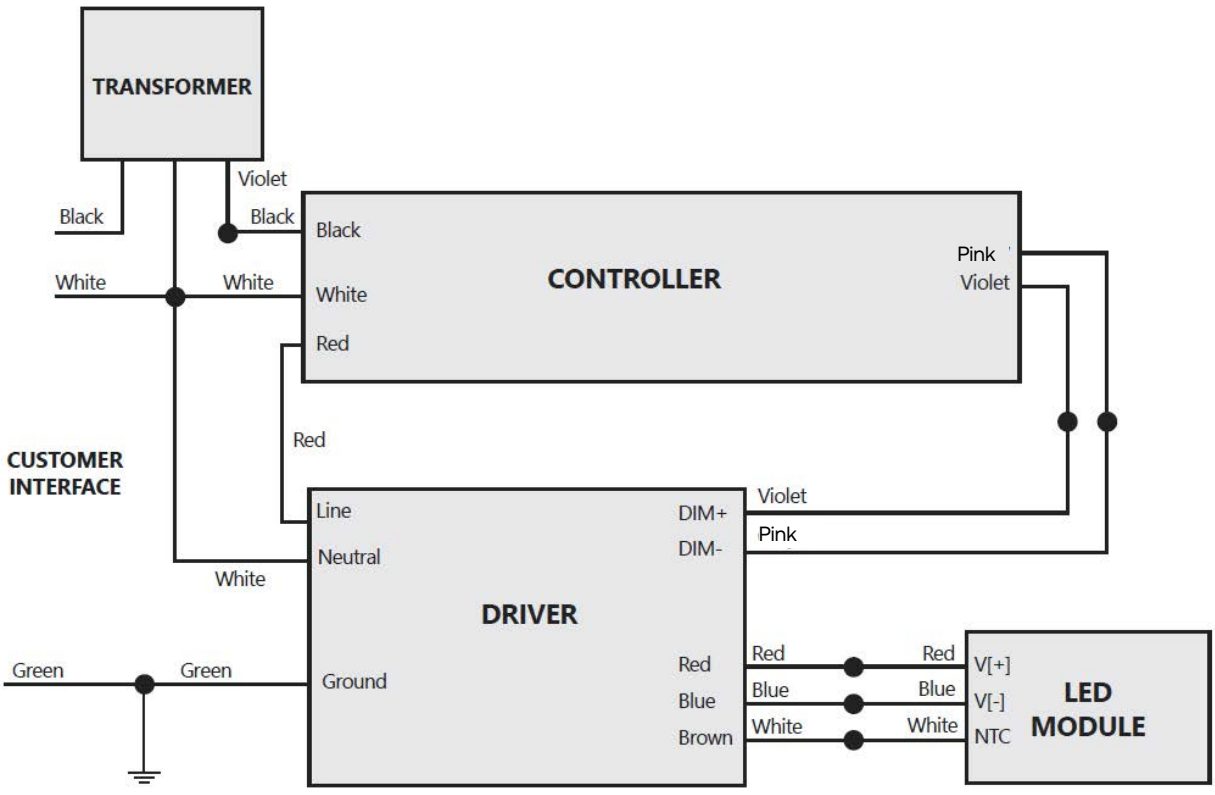


© 2023 Current Lighting Solutions, LLC. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

120-277V With Controls Code TQ

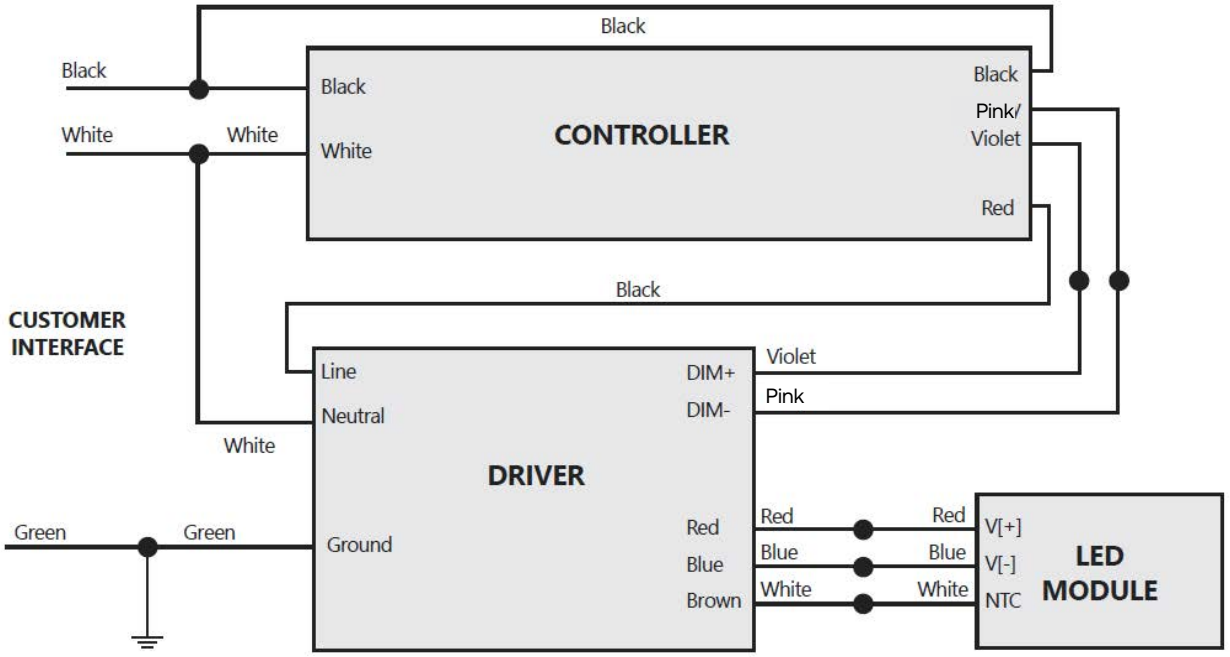


347V With Controls Code TQ

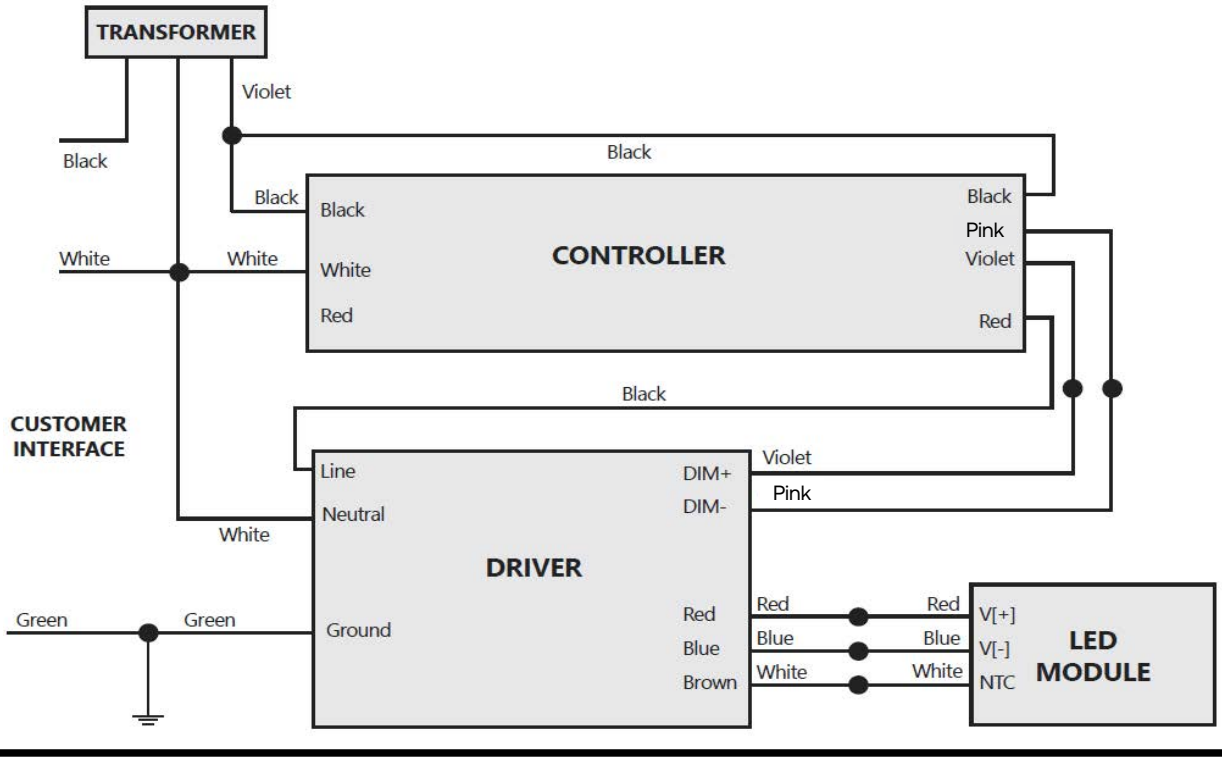


© 2023 Current Lighting Solutions, LLC. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

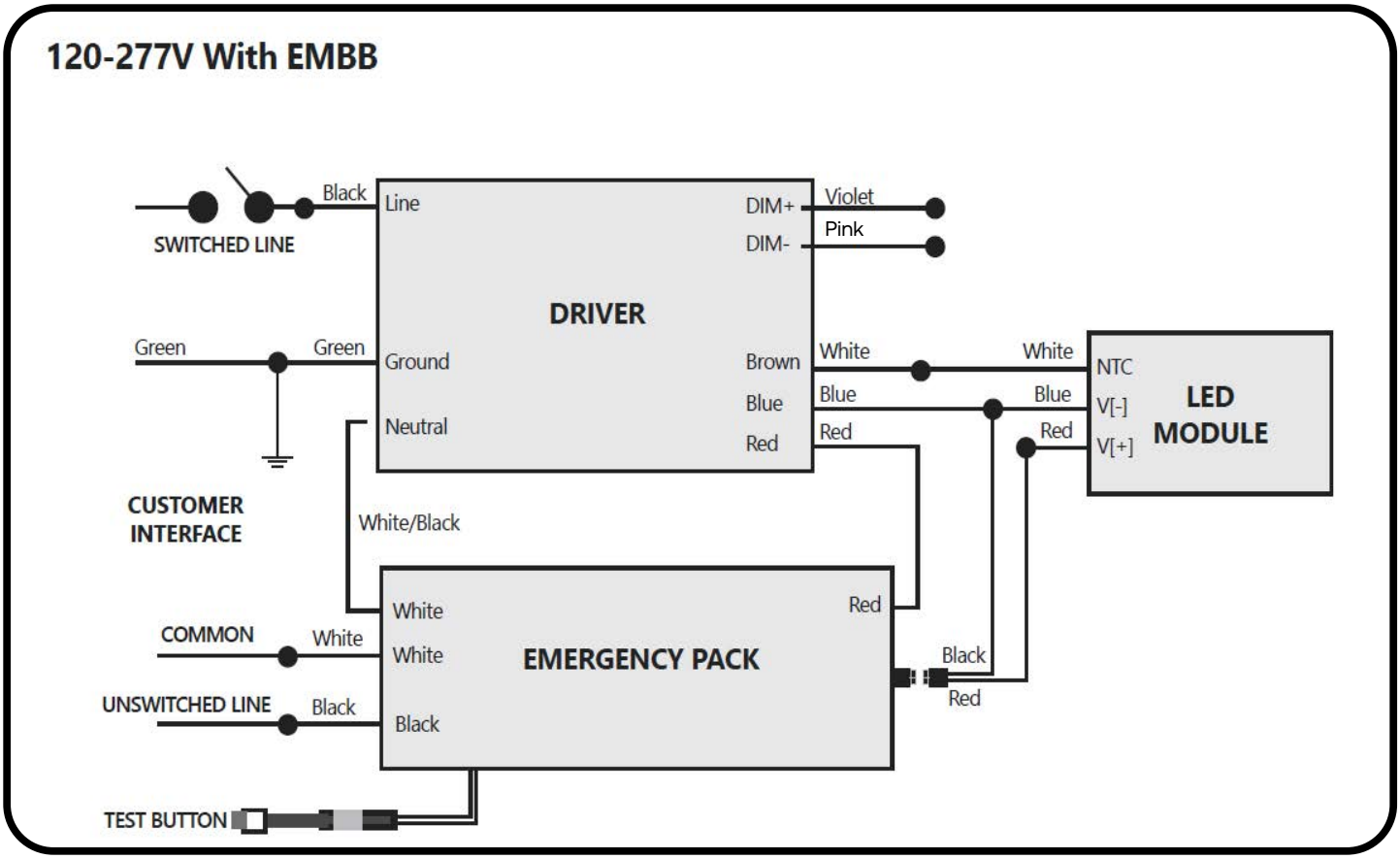
120-277V With Controls Code TS



347V With Controls Code TS



© 2023 Current Lighting Solutions, LLC. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.



Troubleshooting

Symptom	Solution
Luminaire does not light	• Check input voltage and check power supply input/output connections. • Check circuit breaker. • Check that the color of the supply side wires match the color of the wires they are connected to. • Check that the LED driver connector is fully engaged to the LED light engine connector. • Check that the LED light engines are connected at the junction between the two luminaires.
Luminaire is dim	• Dimming wire connection shall be checked and if connection is not proper, reconnect it. If wire is harmed, replace it with an intact one. Also check that dimming wires are not in short circuit. • Check that LED module is firmly seated in module holder and twisted in tightly.
Luminaire does not dim	• Check dimming wire connection.

Fixture intended for commercial use only. Use only in non-insulated applications.

© 2023 Current Lighting Solutions, LLC. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.