

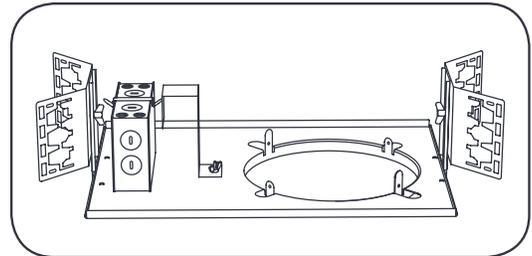
Lumination™ LED Luminaire

RC/LRC/RX/LRX Series - New Construction Frame



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 AWG ou 14 AWG pour les rangées continues.

⚠ NOTICE

Lamp Housings RC6, RC8 or LRC6, LRC8 or RX6, RX8 or LRXR4, LRXR6, LRXR8 may be assembled with part FRAMExR. When Lamp Housings RC6, RC8 or LRC6, LRC8 or RX6, RX8 or LRXR4, LRXR6, LRXR8 is assembled with Part FRAMExR the final assembly complies with UL 1598 category IFAO recessed luminaire requirements. LRX products are suitable for wet location covered ceiling only.

Les boîtiers de lampes RC6, RC8 ou LRC6, LRC8 ou RX6, RX8 ou LRXR4, LRXR6, LRXR8 peuvent être montés avec la pièce FRAMExR. Lorsque les boîtiers des lampes RC6, RC8 ou LRC6, LRC8 ou RX6, RX8 ou LRXR4, LRXR6, LRXR8 sont montés avec la pièce FRAMExR, le montage final respecte les exigences des luminaires encastrés de la catégorie IFAO de la norme UL 1598. LRX produits conviennent pour emplacement humide couverte au plafond uniquement.

Save These Instructions

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

Prepare Electrical Wiring



Electrical Requirements

The LED luminaire must be connected to the mains supply according to its ratings on the product label.



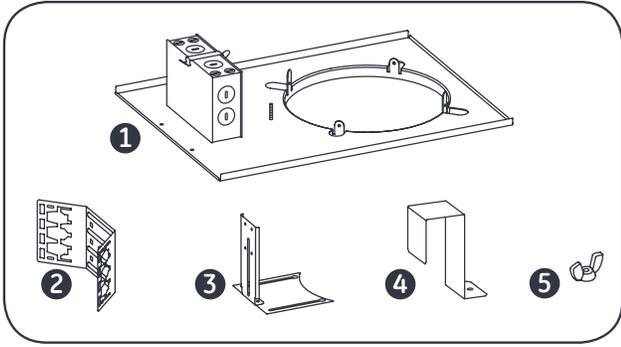
Grounding Instructions

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

current
powered by GE



Components

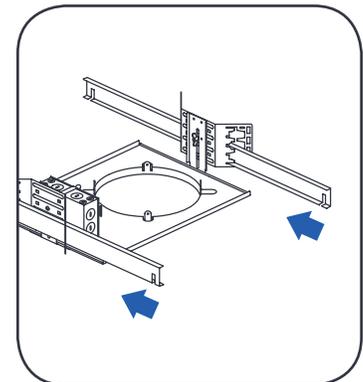
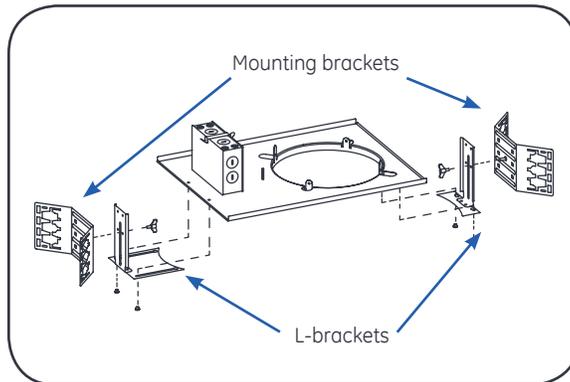


Provided Item	Qty.
1 Frame (4-inch, 6-inch or 8-inch)	1
2 Mounting brackets	2
3 L-Bracket	2
4 U-Bracket (used only with RC/LRC Series Installs)	1
5 Wing nut	3

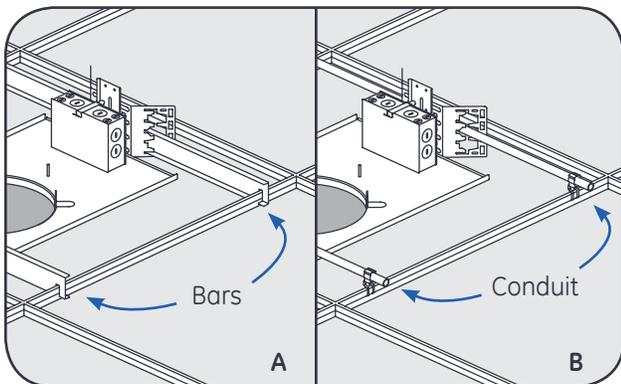
NOTE: Part 4 and 5 are only for RC/LRC product.

Frame Installation

Fixture Diameter	Hole Diameter
LRXR4	4.9–5.2 in.
RC6/LRC6	6.4–7.2 in.
RX6/LRXR6	5.91–6.60 in.
RC8/LRC8	7.5–8.9 in.
RX8/LRXR8	7.68–8.27 in.



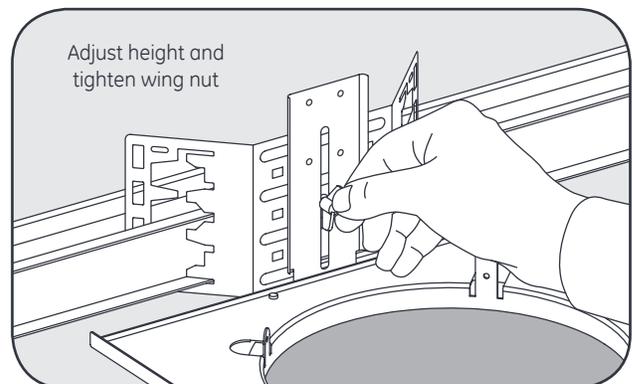
- 1 Cut the appropriate size hole into ceiling tile.
- 2 Place side L-brackets on existing frame screws and tighten with screwdriver on both sides of the frame. Then attach mounting brackets to both L-brackets with wing nuts (provided).
- 3 Slide hanger bars through adjustable mounting brackets.



- 4 **Option A:** Mount fixture by attaching hanger bars to T-Grid ceiling (BH3 SKU 94890).

Option B: Mount fixture with ½" EMT conduit.

Note: Supplied by 3rd party.



- 5 Adjust fixture height to be flush with ceiling and tighten both mounting bracket wing nuts.

RC/LRC-Series Mounting

(RX-Series Mounting skip to step 15. LRXR-Series Mounting skip to step 18)

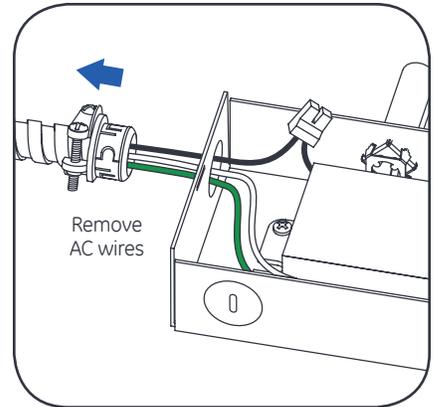
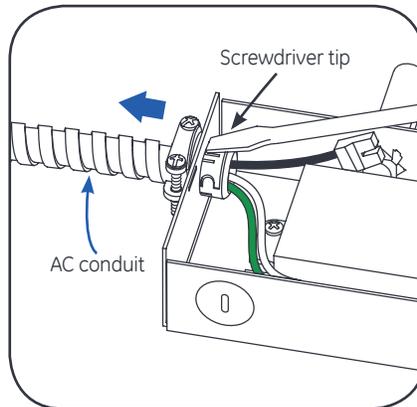
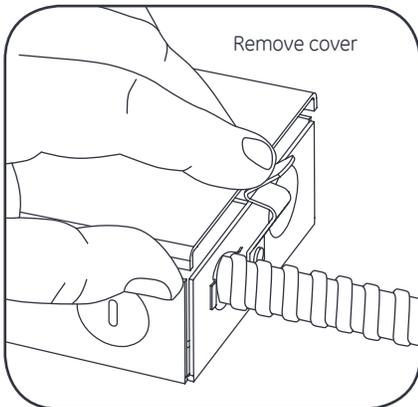
Through Wiring for RC-series 15A Circuit

Lumen Level	Maximum Number of Fixtures (120V Input / 277V Input)
1000	84 / 195
1500	77 / 179
2000	59 / 138
3000	38 / 89
4000	24 / 57

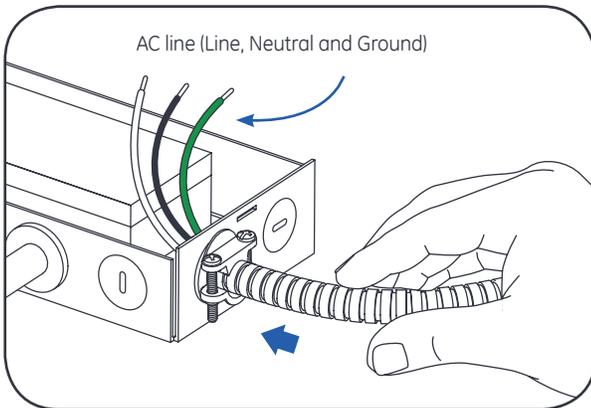
Minimum Spacing Requirements for all Fixture Configurations

Center to center of adjacent luminaires	24"
Top of Luminaire to overhead building member	3"
Luminaire center to side building member	12"

(For any other information refer to RC-series or LRC-series Installation Guides)

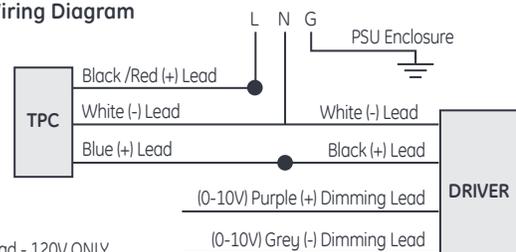


- 6** Open RC or LRC PSU box cover, disconnect AC conduit. Remove AC conduit wire from PSU box knockout hole using flat head screw driver.



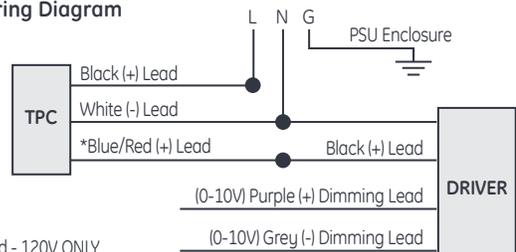
- 7** Insert AC line wires into the PSU box through the knockout hole and connect wires (see wiring diagrams at right).

LRC Wiring Diagram

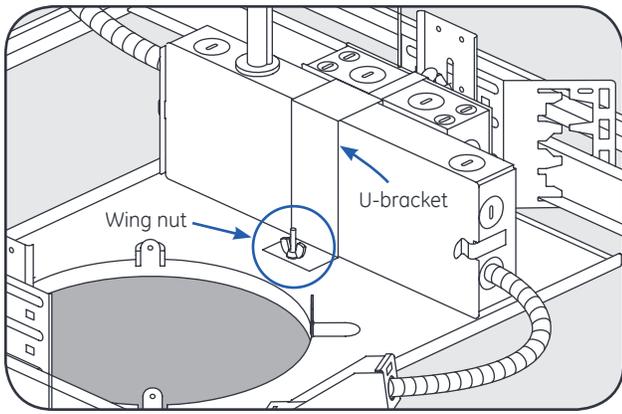


***NOTE:**
Black Lead - 120V ONLY
Red Lead - 277V ONLY

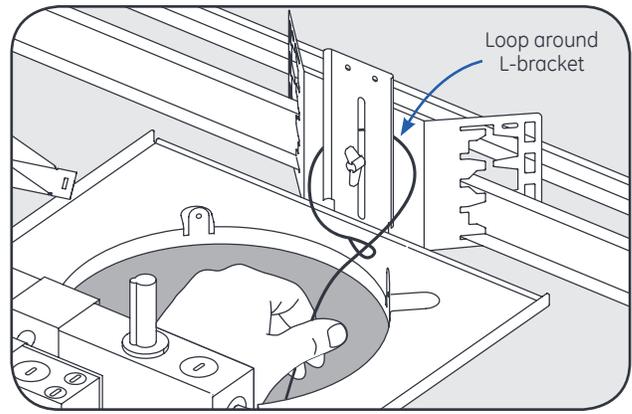
RC Wiring Diagram



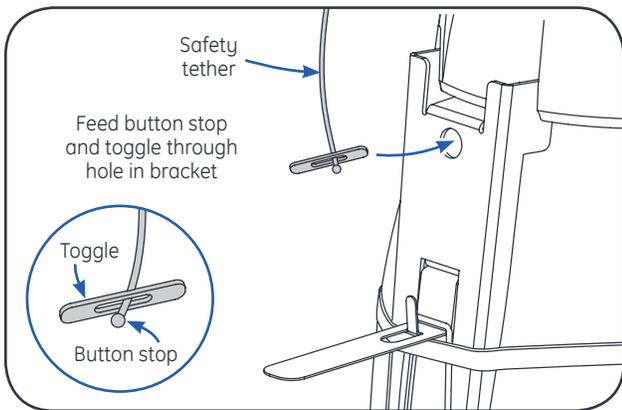
***NOTE:**
Blue Lead - 120V ONLY
Red Lead - 277V ONLY



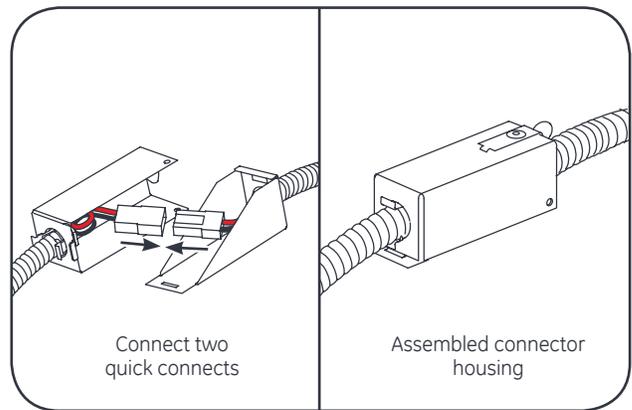
8 Place PSU box onto frame next to unused junction box and secure with U-bracket by tightening wing nut.



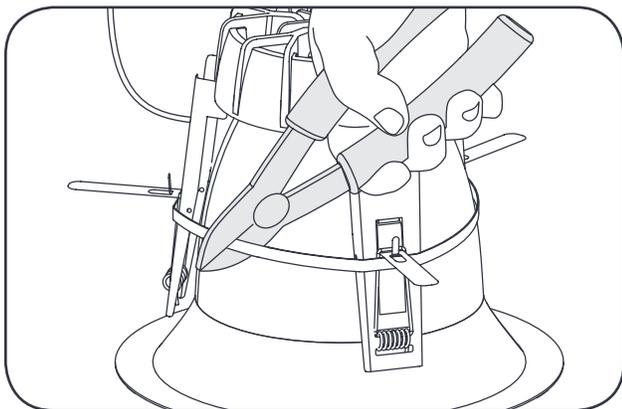
9 Take the provided safety tether and loop one end of the tether around the L-bracket.



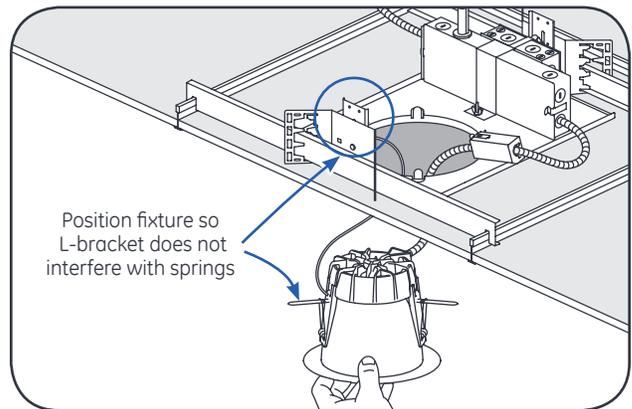
10 Attach the other end of the safety tether to the fixture using one of the three holes located on the fixture brackets. Feed the button stop and toggle through the hole and slide into the hole in the bracket. Allow the fixture to hang freely.



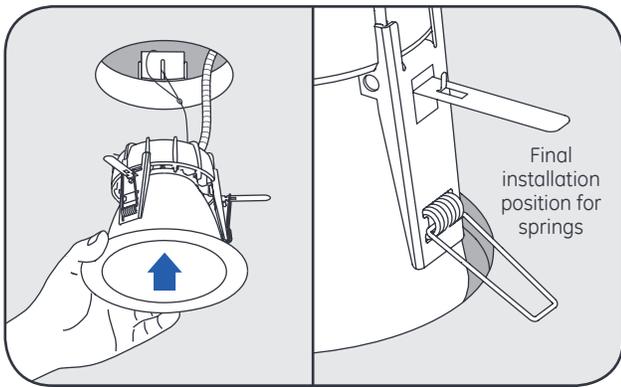
11 Plug together the light fixture to the driver enclosure with the supplied quick connects and assemble the connector housing when finished.



12 Cut cable tie on light fixture.



13 Align the fixture so that two of the three springs are on each side of the L-bracket. This is necessary in order to make sure that when the springs release, the L-bracket does not interfere and prevent the springs from making contact with the top of the ceiling for proper support.



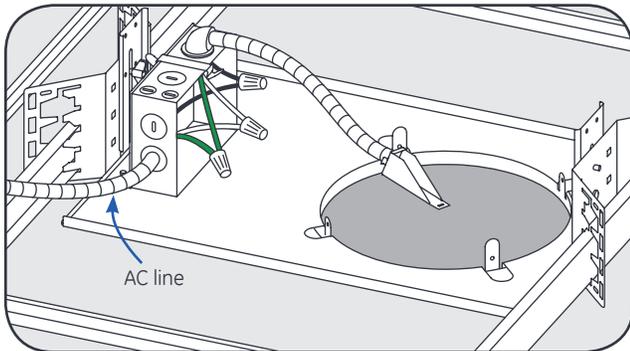
14 Push fixture through the hole in the ceiling. This will engage the protruding arms, thus, releasing the springs. The springs will draw the fixture up into the ceiling and hold it there tightly.

⚠ CAUTION

RISK OF PERSONAL INJURY - Operators shall ensure no appendages are in the path of the torsion springs as they are a pinch hazard when released. The springs will release when the arm is flexed downward. Be cautious that no body part is in the path of the spring when released.

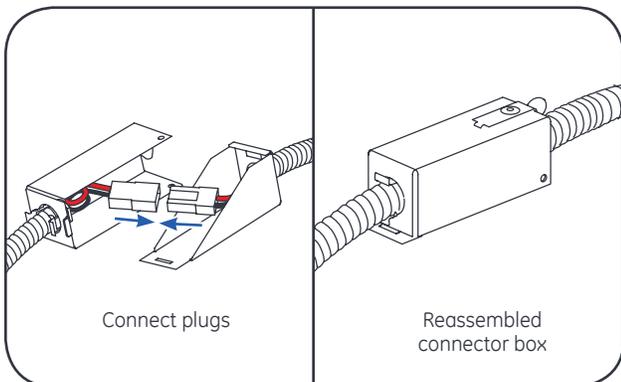
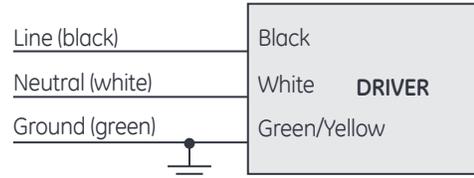
RISQUE DE BLESSURE CORPORELLE - Les techniciens veilleront à ce qu'aucun appendice ne se trouve sur le chemin des ressorts de torsion, car ils présentent un risque de pincement lorsqu'ils sont libérés. Les ressorts seront libérés au moment de fléchir le bras vers le bas. Faites attention à ce qu'aucune partie du corps ne se trouve sur le chemin du ressort à sa libération.

RX-Series Mounting

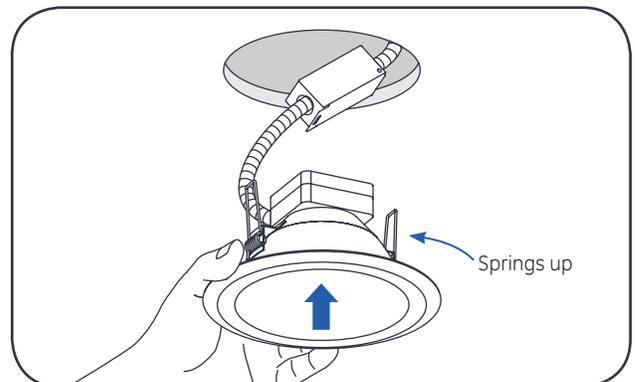


15 Connect AC line to existing junction box. Connect conduit fitting to the existing junction box. Connect the black, white and green/yellow wires of the input leads to the black, white and green AC line wires using UL Listed twist-on wire connectors and close the junction box (see wiring diagram).

Wiring Diagram



16 Connect the two quick connectors and reassemble the connector box.



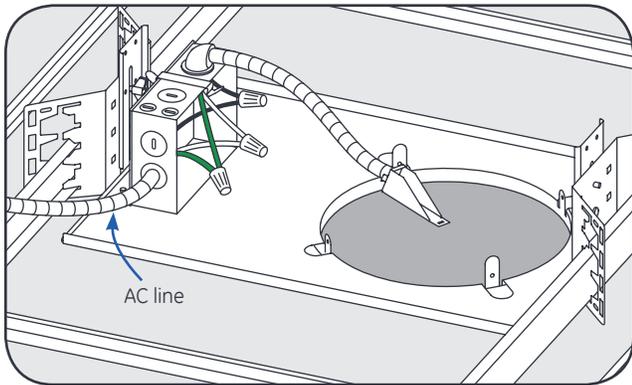
17 Load springs into upright position by twisting the springs upward and carefully insert the fixture to the hole of the frame. Ensure fixture is secure.

⚠ CAUTION

RISK OF PERSONAL INJURY - Operators shall ensure no appendages are in the path of the torsion springs as they are a pinch hazard when released. The springs will release when the arm is flexed downward. Be cautious that no body part is in the path of the spring when released.

RISQUE DE BLESSURE CORPORELLE - Les techniciens veilleront à ce qu'aucun appendice ne se trouve sur le chemin des ressorts de torsion, car ils présentent un risque de pincement lorsqu'ils sont libérés. Les ressorts seront libérés au moment de fléchir le bras vers le bas. Faites attention à ce qu'aucune partie du corps ne se trouve sur le chemin du ressort à sa libération.

LRX-Series Mounting



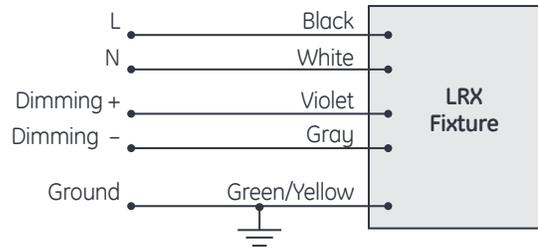
- 18** Connect conduit end with input leads to existing junction box and make proper connections. Connect the black, white, and green/yellow wires of the input leads to the black, white and green wires using twist-on wire connectors and close junction box.

Optional dimmer: When connecting with dimming controller, wires must be run through another separate knockout hole. Connect the violet (dimming +) and gray (dimming -) wires to the violet and gray wires of the fixture.

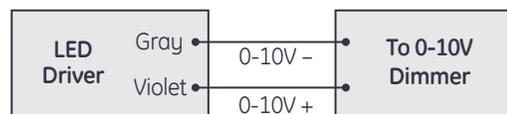
NOTE: Please cover dimming leads with wire nuts if you won't connect with dimming leads.

Dimming compatibility for both 0-10V and phase cut, please refer to GE website: www.gelighting.com/dimming.

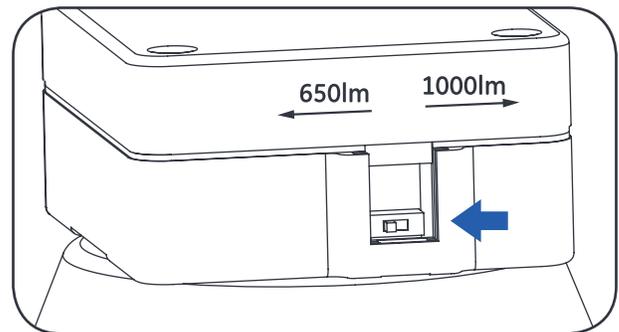
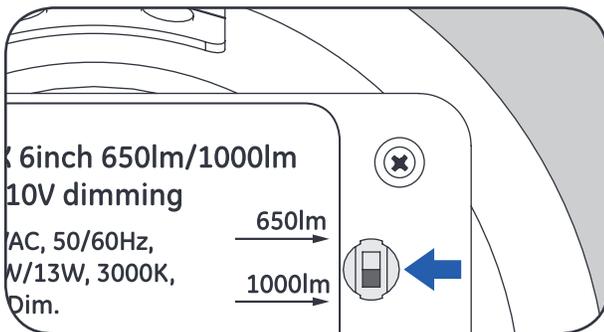
Wiring Diagram



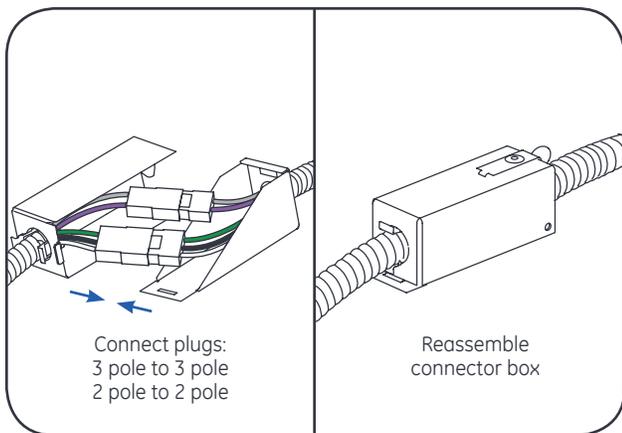
0-10 Volt Dimming



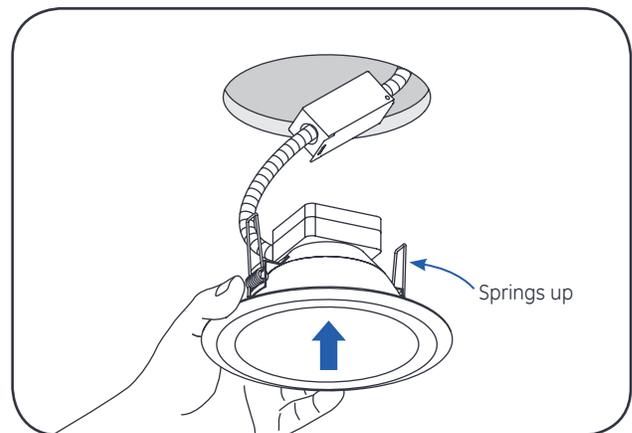
Lumens Setting Switch



NOTE: For 1000/650lm and 4000/3000lm, default output lumen is 1000lm and 4000lm respectively. Push switch up or left to activate 650lm and 3000lm respectively.



19 Connect the two quick connectors and reassemble the connector box.



20 Load springs into upright position by twisting the springs upward and carefully insert the fixture to the hole of the frame. Verify reflector trim is flush with ceiling.

⚠ CAUTION

RISK OF PERSONAL INJURY - Operators shall ensure no appendages are in the path of the torsion springs as they are a pinch hazard when released. The springs will release when the arm is flexed downward. Be cautious that no body part is in the path of the spring when released.

RISQUE DE BLESSURE CORPORELLE - Les techniciens veilleront à ce qu'aucun appendice ne se trouve sur le chemin des ressorts de torsion, car ils présentent un risque de pincement lorsqu'ils sont libérés. Les ressorts seront libérés au moment de fléchir le bras vers le bas. Faites attention à ce qu'aucune partie du corps ne se trouve sur le chemin du ressort à sa libération.

This device complies with Part 15 of the FCC Rules. Operation is subject to the 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 ICES-005 (A) / NMB-005 (A).

Note: This equipment has been tested and found to comply with the limits for a Class A digital 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.



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