



# GE current ED23.5 Type B LED HID Lamp Installation Guide

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Installation Guide  
LEDL148 | DOC-2002455

**Type B LED HID Lamp (277-480V)**

ED23.5 with EX39 Base  
LED80ED23.5/yxx/277/480  
LED50ED23.5/yxx/277/480



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## ED23.5 Type B LED HID Lamp



### BEFORE YOU BEGIN

Read these instructions completely and carefully.

To avoid personal injury and/or product damage, all of the instructions below must be followed.



## **WARNING**

### **RISK OF FIRE OR ELECTRIC SHOCK**

These products are rated 277-480 V, however in the US it should only be used on branch circuits permitted in Section 210.6 of the US National Electrical Code for E39/EX39 lampholders. LED retrofit kit installation requires knowledge of luminaire and electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician. Install this kit only in luminaires that have the construction features and dimensions shown in the drawings, and where the input rating of the retrofit kit does not exceed the input rating of the luminaire. Do not make or alter any open holes in an enclosure of wiring or electrical components. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. Installer should not disconnect existing wires from lamp holder terminals, but should cut existing lead wires away from the lamp holder and make new electrical connections to lamp holder lead wires by employing applicable connectors. This lamp operates direct from 277-480V mains. Do not use with ballast or ignitor. Do not connect to voltage higher than 480 volts. Install this kit only in luminaire with a lamp compartment greater than 367 cubic inches, approximately 9 x 6 x 7 inches rectangular or 8 inch diameter x 11 inch deep cylindrical shaped area. Ensure Misapplication fuse and fuseholder are connected between Phase or Hot lead and the eyelet connection of the lamp holder per the wiring diagram. Ensure Safety Tether is attached to lamp and luminaire per instructions. Not for use with Dimmers.



## **CAUTION**

### **RISK OF FIRE OR ELECTRIC SHOCK**

- Apply provided re-lamp warning sticker onto the fixture in a location where readily visible by the user during and after installation.

### **RISK OF FIRE OR ELECTRIC SHOCK, OVERHEATING OR LAMP DAMAGE**

- Check the condition of the E(X)39 or E26 socket in the fixture, if the socket shows signs of corrosion, arcing, or any other type of damage like the pictures below, replace the socket with a new one.
- Ensure socket is spring loaded to securely grip lamp screw base. Tighten lamp securely into socket.



**GOOD Socket**



**DAMAGED Socket**

## **Save These Instructions**

Use only in the manner intended by the manufacturer. Not for use in emergency light fixtures or exit signs. If you have any questions, contact the manufacturer at 1-800-327-0097.

- Type B LED HID retrofit Lamp installation with HID Ballast / Ignitor / Capacitor or external LED driver voids the warranty.
- Type B LED HID retrofit Lamp installation with voltage above 480 VAC or dimmer voids the warranty.
- Replace fuse only with Littelfuse Type 5x20mm, 8A, 500Vac, Slow-Blow Part # 0477008MXP.
- Operation at high ambient temperature may reduce lamp life.

## **Parts List**

- 1 LED lamp with the tether kit
- 1 fuse kit
- 1 re-lamp warning label

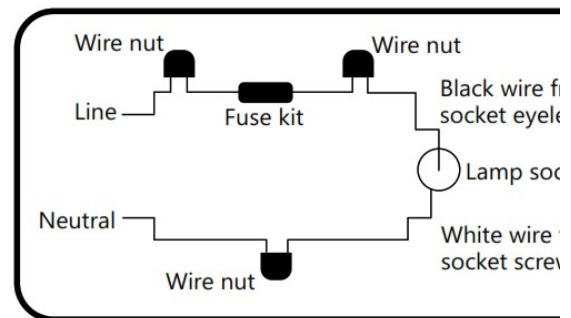
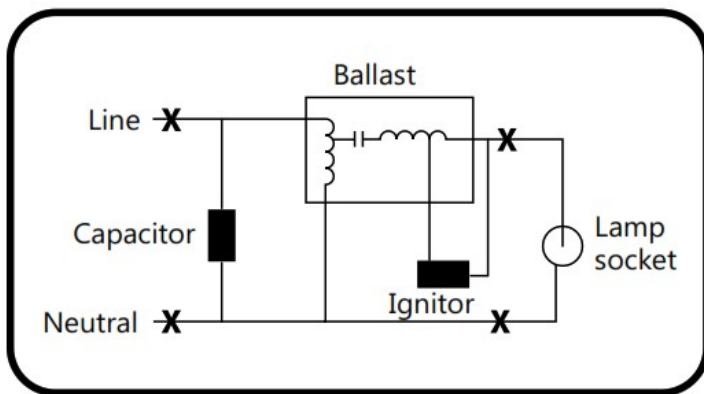
## **Tools Required**

- Screwdriver
- Wire stripper/cutter
- UL listed wire nuts or connectors

THE RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION. PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH THE APPLICABLE AND APPROPRIATE ELECTRICAL CODES. THE INSTALLATION GUIDE DOES NOT SUPERSEDE LOCAL OR NATIONAL REGULATIONS FOR ELECTRICAL INSTALLATIONS.

## **Installation Instructions**

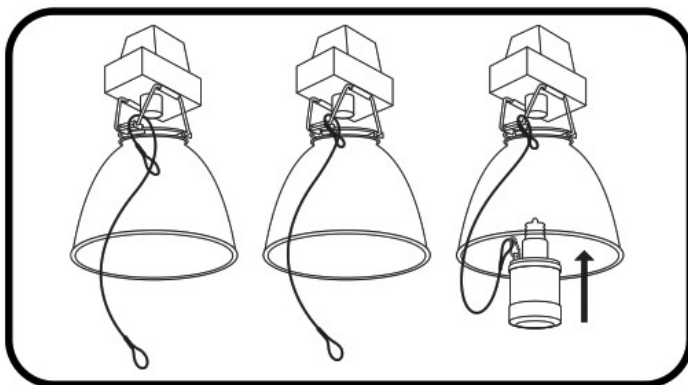
1. Turn off power to the fixture. Remove existing HID lamp from the fixture.



2. Open the fixture's junction box and bypass the HID ballast, ignitor (if there) and the capacitor (if there) by disconnecting the line and neutral wires and socket black and white wires in the locations with "CROSS" marks in the schematic diagram on the right.

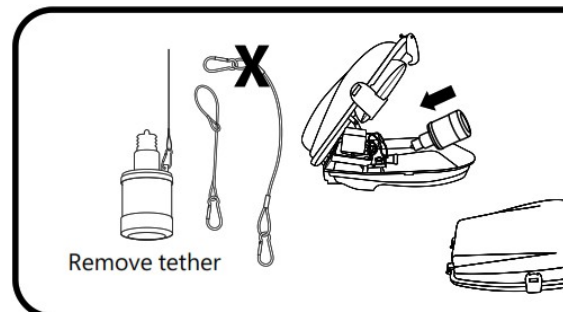
3. Connect the line to the black wire from the socket and the neutral to the white wire from the socket with UL listed connectors. The fuse kit in the package should be in the line as shown in the schematic diagram on the right.

#### For open fixture and fixture with wire cage



5A. Install Current HID LED retrofit lamp into the socket. Loop the wire of the tether around a load bearing building structure, then insert and lock the wire into the other end of the locker. Minimize the length of the wire attached to the lamp. Zip tie extra loose wire if necessary.

#### For enclosed fixture

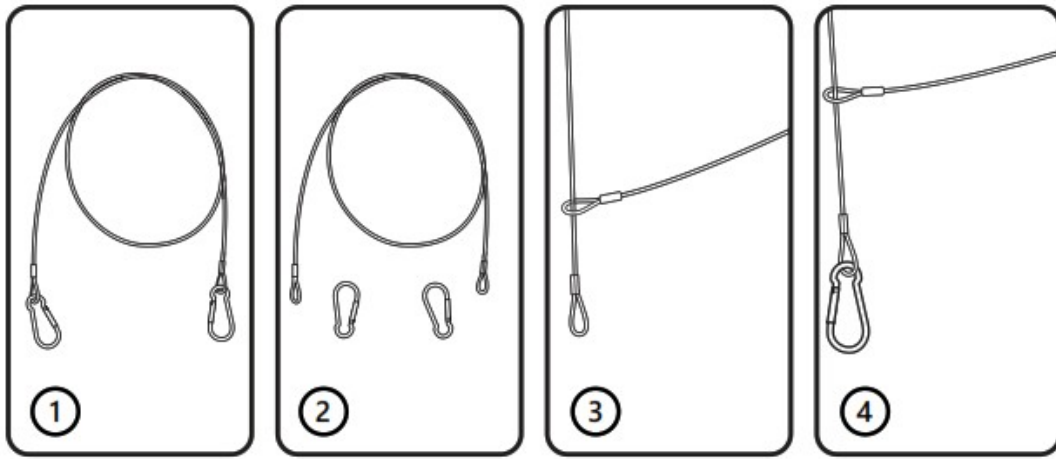


5B. Tether kit is optional for enclosed fixture application; please refer to the instruction for open fixture and impact on secured closing of fixture door. If not using the tether kit, move the tether kit. Install Current HID LED retrofit lamp into the socket and close the fixture.



#### **WARNING** **RISK OF FIRE OR ELECTRIC SHOCK**

- Install provided tether kit.
- Follow step 1 to step 4 on the right to lock the tether wire to the locker.
- Only use the tether provided by Current. If tether is not long enough for your installation, please call Current at 1-800-338-4999 for a longer tether kit.



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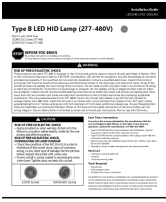
[www.gecurrent.com](http://www.gecurrent.com)

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All values are design or typical values when measured under laboratory conditions.

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## Documents / Resources

	<p><a href="#">GE current ED23.5 Type B LED HID Lamp</a> [pdf] Installation Guide</p> <p>ED23.5 Type B LED HID Lamp, Type B LED HID Lamp, ED23.5 LED HID Lamp, LED HID Lamp, Lamp, ED23.5</p>
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## References

- [C Commercial Lighting and Lighting Controls | Current - GLI Brands](#)