

## UltraMax™ Connected LED Driver Installation Guide GED80MCC/Z2P1500

**BEFORE YOU BEGIN: Please read these instructions  
completely and carefully  
Only Qualified Electricians Should Perform the Installation of this LED Driver**

 GED80MCC/Z2P1500 SAP: 95040689  95040689	<b>INPUT</b> Voltage 120-277 VAC 50/60Hz per UL Current 0.89 Amps Max per UL PF > 0.9 <b>LED class 2</b> Black (L) → White (N) → Green (G) → LED class 2 Positive 120VAC/277VAC Negative 120VAC/277VAC RED (E+) → BLUE (E-) →	<b>LED Class 2</b> 10% dimmable at programmed output High power factor Min start temp 0 C Tc = 75 C Max For connections, use wire rated for at least 90 C (194 F) Install and ground per national electric code Use only within an enclosure. For dry or damp locations FCC Part 15 Class A CAN ICES-005 (A)/NMB-005 (A) FCC ID PUU80MCCZ2P15 IC 10798A-80MCCZ2P15	Assembled in China, Designed & Distributed by General Electric Co. GE Lighting Nela Park, Cleveland, Ohio 44112 <b>Date</b> <b>Firmware</b> For assistance call: 1-888-MYGELED 
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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.

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment (GED80MCC/Z2P1500) contains the limited module with FCC ID PUU80MCCZ2P15 and ISED ID 10798A-80MCCZ2P15. This equipment complies with FCC CFR 47 Part 2 requirements for radiation exposure for fixed facility or mobile applications that maintain a distance of 20 cm from a person's body. This equipment complies with ISED RSS-102 Issue 5 requirements for radiation exposure limits for an uncontrolled environment that maintain a distance of 20 cm from a person's body.

This radio transmitter ISED ID 10798A-80MCCZ2P15 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Only the following antennas should be used with this limited module and the antenna should only be installed when the host product is manufactured. (The antenna is not field replaceable.)

- PulseLARSEN W3357 (50Ω impedance; peak gain over 2400 – 2483.5 MHz range is 0.4dBi)
- Walsin RFPCA430618IMAB301 (50Ω impedance; peak gain over 2400 – 2483.5 MHz range is 2.2dBi)

 WARNING/AVERTISSEMENT	
<b>RISK OF ELECTRIC SHOCK</b> Turn power off before inspection, installation or removal. Properly ground electrical enclosure.	<b>RISQUES DE DÉCHARGES ÉLECTRIQUES</b> Coupez l'alimentation avant d'inspecter, installer ou déplacer le luminaire. Assurez-vous de correctement mettre à la terre le boîtier d'alimentation électrique.
<b>RISK OF ELECTRIC SHOCK</b> Follow all NEC and local codes. Use only UL approved wire for input/output connections. Minimum size 14 AWG for continuous runs.	<b>RISQUES D'INCENDIE</b> Respectez tous les codes NEC et codes locaux. N'utilisez que des fils approuvés par UL pour les entrées / sorties de connexion. Taille minimum 14 AWG.

You must follow these codes and safety standards when installing this product:

- National Electric Code (NEC)
- Applicable Federal, Standard and Local Electric Codes
- U.L. safety standards.

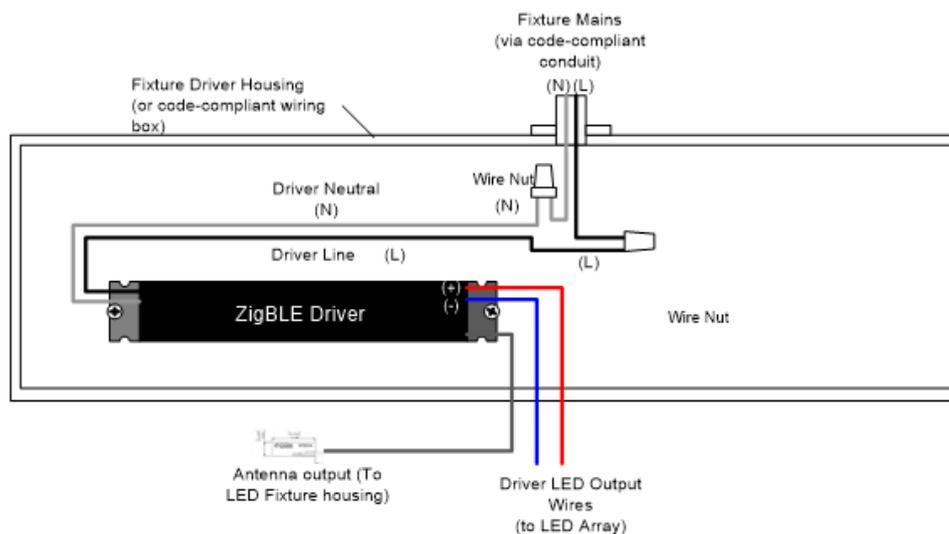
Failure to comply with these codes and standards may cause death, serious injury, and property damage.

### **Before installing this driver:**

1. Remove Power from fixture by switching circuit breaker powering the fixture to the off position.
  - a. **Caution: Turning off the fixture's wall switch may not remove voltage from fixture.**
2. For maximum safety, fixture must be grounded. Make sure fixture is properly grounded with a green ground wire per National Electrical Code (NEC).
3. Verify that driver is the correct driver for the fixture, input voltage, and application.

### **During installation:**

1. Follow all relevant National Electric Code (NEC), Federal, State and Local Electric Codes as well as U.L. safety standards.
2. Access and open driver compartment cover.
3. Remove old driver and any extra wires from enclosure.
4. Inspect and replace any damaged or deteriorated cable.
5. Review the wiring diagram on the new driver label (figure below) and identify connections to be made.



6. Install the new driver and make sure the new driver is properly grounded to metal fixture per National Electrical Code (NEC). Tighten driver mounting screws seating driver firmly against fixture surface. To insure electrical grounding between driver case and fixture housing mounting screws with star washers are recommended to break (penetrate) the painted surface of the driver mounting foot.
7. Install the antenna within the fixture enclosure (away from grounded metal surfaces when possible). The antenna shall not be cut or have any insulation material removed or tampered with in any way.
8. Use only U.L. approved wire connectors for all electrical connections. CAUTION: Wire connectors must be securely fastened and must completely cover exposed wire ends to prevent shock hazard.
9. Be sure to insulate unused leads INDIVIDUALLY to 600Vrms using U.L. approved wire connectors.
10. Verify that all installation and safety requirements have been completed and reinstall driver cover.  
**After driver installation:**
11. Restore power at circuit breaker, apply power to the fixture and ensure fixture is operational.