

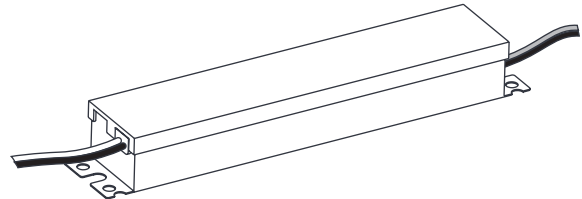
IMMERSION™

LED Refrigerated Display Lighting Vertical & Horizontal Cases

Installation Guide

24
Volt

93077673 100W LED Driver GELP24-100U-GLX



BEFORE YOU BEGIN

Read these instructions completely and carefully.

FOR YOUR SAFETY

Read and observe all **CAUTIONS** and **WARNINGS** shown throughout these instructions.

- Installation to be performed by factory trained service personnel only.
- For use inside a commercial refrigeration case with packaged foods only.
- Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.
- Before installing, servicing or cleaning unit, switch power off at the service panel and follow appropriate lock out/tag out safety procedures

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. This Class [A] RFLD complies with the Canadian standard ICES-005. Ce DEFR de la classe [A] est conforme à la NMB-005 du Canada.

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.

PREPARE ELECTRICAL WIRING



Electrical Requirements

- The power supply must be supplied with 120-277 VAC, 50/60 Hz, and connected to an individual properly grounded branch circuit, protected by a 15 or 20 ampere circuit breaker or time delay fuse.
- Wiring must be 2 wire with ground and rated for 75°C (167°F). All wiring must be done to NEC or local electrical codes.



Grounding Instructions—Cable Direct

- This lighting system must be connected to a grounded metal, permanent wiring system, or an equipment grounding conductor must be run with the circuit conductors and be connected to the equipment grounding terminal.

CAUTION/ATTENTION

Risk of injury. While performing installations described, gloves, safety glasses or goggles should be worn. / **Risque de blessure.** Lors de l'exécution des installations décrites, des gants, des lunettes de sécurité ou des lunettes de protection doivent être portées.

WARNING/AVERTISSEMENT

Risk of electrical shock. Disconnect power before servicing or installing product. LED Retrofit Kit Installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician. Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings. / **Risque de choc électrique.** Couper le courant avant de réparer ou installer le produit. LED Retrofit Kit d'installation nécessite la connaissance des systèmes luminaires électriques. Si vous n'êtes pas qualifié, ne tentez pas l'installation. Contactez un électricien qualifié. Installez ce kit seulement dans les luminaires qui ont les caractéristiques de construction et les dimensions figurant sur les photographies et / ou des dessins.

This product is intended to be used as a lamp control gear that is installed after the mains control switch.

1

Connect LED Driver - Output

- For retrofit, place LED driver in the location where the ballast was formerly located.
- Make output (DC) connections as noted below.

Using the wiring diagram in step 3, connect the LED Driver output leads to the LED Light leads using wire connectors or other connection method approved for low temperature usage and solid conductors. **(A)**

For Retrofit: Bundle and safely secure any unused wires by way of approved wire ties and wire connectors.

2

Connect LED Driver - Input

- Make input (AC) connections as noted below.
- The LED Driver is required to be reliably bonded to the protective ground conductor. **(B)**

Mount the LED Driver to a grounded metal portion of the door frame, connect the LED driver housing to an existing equipment grounding conductor, or run an equipment grounding conductor to the equipment grounding terminal. Using the wiring diagram in step 3, connect the original Line and neutral wires (or Line 1 and Line 2 wires for 277 maximum VAC) to the LED Driver leads using wire connectors or other connection method approved for low temperature usage and solid conductors. **(C)**

⚠ WARNING/AVERTISSEMENT

Risk of electrical shock. Ensure that all connection points are sealed for damp location using the appropriate method per the NEC or local electrical code. **Risque de choc électrique.** S'assurer que les points de raccordements sont scellés pour emplacement humide en employant une méthode permise par le NEC ou par le code électrique local.

⚠ CAUTION/ATTENTION

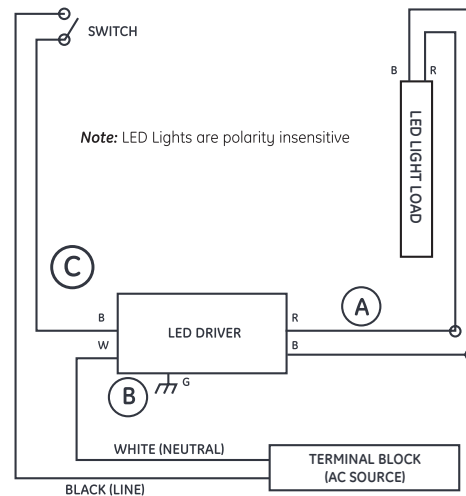
Risk of injury. Do not overload LED Driver, 60-watts maximum per driver. Do not exceed the LED light bar loading limits specified on the light bar installation instructions for a 60W driver. **Risque de blessure.** Ne pas surcharger l'alimentation à DEL. Maximum de 60 watts par alimentation. Ne pas excéder les limites de charge maximale des alimentations telles que spécifiées dans les instructions d'installation.

3

Connection Configurations

For information on A, B, C, see Steps 1 and 2. Refer to LED Light Bar installation instructions for LED light bar wiring configurations.

Typical Installation



Remote Mounting Distance

	18 AWG/0.82 mm ² Supply Wire	16 AWG/1.31 mm ² Supply Wire	14 AWG/2.08 mm ² Supply Wire	12 AWG/3.31 mm ² Supply Wire
100W Power Supply	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m

Troubleshooting

Symptom	Solution
All LED lights are OFF	<ul style="list-style-type: none">• The GELP24-100UGLX features a new built in output overload shutdown feature that automatically resets when the AC supply is removed and reapplied. So if all LED lights are off, first verify whether or not the output can be reset by first switching off then switching back on the AC supply. If the LED lights do not re-light, then proceed to the following solutions.• Check AC input connection and/or check circuit breaker.• Check wire connection(s) at the LED System and power supply for improper termination(s) or short circuits. Properly terminate or replace the wire connection(s).• Check that connections are the (+) wire of the LED light to the (+) wire of the power supply and the (-) wire of the LED light to the (-) wire of the power supply.• Ensure the overall LED load does not exceed the maximum load. If so, remove the excess load, and cycle the AC supply to reset the drivers built in overload protection.
Some LEDs appear dim	<ul style="list-style-type: none">• Ensure the length of supply wire is equal to or below the recommended remote mounting distance.
Some of the LED lights are not illuminated	<ul style="list-style-type: none">• Check wire connection(s) at the LED light and power supply for improper termination(s) or short circuits. Properly terminate or replace the wire connection(s).• Check that connections are the (+) wire of the LED light to the (+) wire of the power supply and the (-) wire of the LED light to the (-) wire of the power supply.