

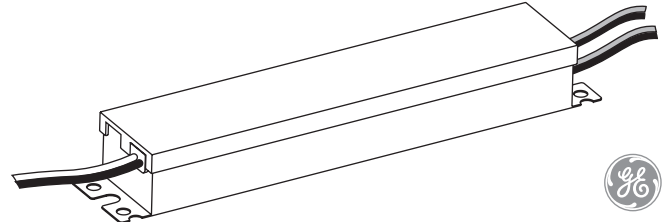
LED Power Supply

24
Volt

GEPS24D-100U-NA (120-277 VAC input/24VDC output/100W/0-10V Dimming)

Power Supply Features

- Supports all 24 VDC Current LED Products
- Dry and Damp Locations Rated
- Class 2 Power Supply
- 120-277 VAC Input
- Compatible with 0-10V Dimming controller



BEFORE YOU BEGIN

Read these instructions completely and carefully.

⚠ WARNING / AVERTISSEMENT

RISK OF ELECTRIC SHOCK

- Disconnect power at fuse box or circuit breaker before servicing or installing product.
- Properly ground power supply.
- AC input connections shall be suitably enclosed. The power supply shall be enclosed or made inaccessible to users during normal use.

RISK OF FIRE

- Use only approved wire for input/output connection. Minimum size 18 AWG (0.82 mm²).
- Follow all local codes.
- Application considerations potentially requiring additional spacing include high ambient temperature seen by the power supply, poor contact with a heat dissipating material, inadequate ventilation, or direct exposure to sun.

RISQUES DE DÉCHARGES ÉLECTRIQUES

- Coupez l'alimentation électrique à la boîte de fusibles ou au disjoncteur avant l'entretien ou l'installation du produit.
- Assurez-vous de correctement mettre à terre le bloc d'alimentation.
- Les connexions d'entrée CA doivent être convenablement enfermées. Le bloc d'alimentation doit être enfermé ou rendue inaccessible aux utilisateurs pendant l'utilisation normale.

RISQUES D'INCENDIE

- N'utilisez que des fils approuvés pour les entrées/sorties de connexion. Taille minimum 18 AWG (0.82 mm²).
- Respectez tous les codes locaux.
- Certaines applications pourraient requérir un espacement additionnel, p. ex. une température ambiante élevée autour du bloc d'alimentation, un mauvais contact avec une matière dissipatrice de chaleur, une ventilation inadéquate ou une exposition directe au soleil.

⚠ CAUTION / ATTENTION

RISK INJURY

- While performing installations described, gloves, safety glasses or goggles should be worn.

RISQUES DE BLESSURE

- Lors de l'exécution des installations décrites, des gants, des lunettes de sécurité ou des lunettes de protection doivent être portées.

Prepare Electrical Wiring



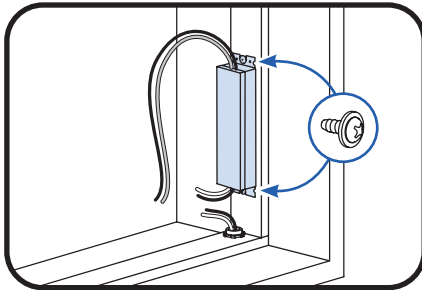
Electrical Requirements

- Limited to use in dry and damp locations.
- The suitability of rain enclosure shall be determined if intended for wet location.
- The grounding and bonding of the LED Driver shall be done in accordance with National Electric Code (NEC) Article 600.
- Follow all National Electric Codes (NEC) and local codes.

Save These Instructions

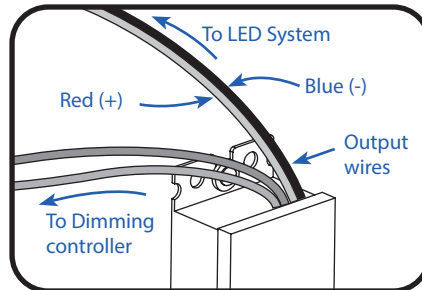
Use only in the manner intended by the manufacturer.
If you have any questions, contact the manufacturer.

Power Supply Installation

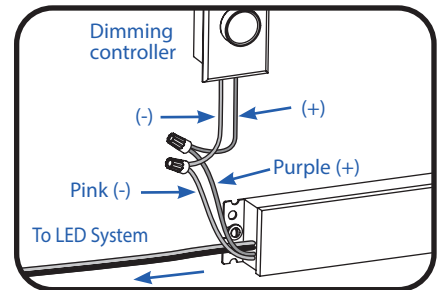


- 1 Mount the power supply. Mounting the power supply base directly to a thermally conductive installation surface can improve thermal performance. For retrofit applications, place LED driver in the location where the ballast was formerly located.

NOTE: All electrical connections should be suitably protected from mechanical damage and the environment. Seal all connections exposed to water with electrical grade self-hardening silicone.

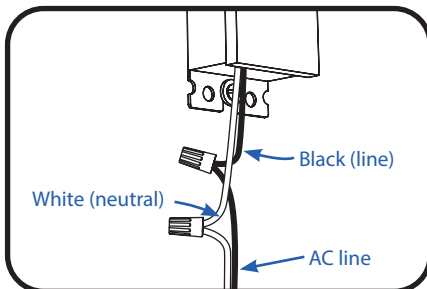


- 2 Connect the supply wire that is attached to the LED System to the red (+) and blue (-) output wires of the power supply as outlined in the "Electrical Connections" section of your LED system's Installation Instructions.



- 3 Connect the (+) purple and (-) pink wires of the Dimming Power Supply to the 0-10V dimming controller. Refer to the dimming controller installation instructions for specific connection information.

NOTE: To avoid overloading this power supply with LED modules, please refer to the specific module loading guides.



- 4 Connect the AC line to the black (line) and the AC neutral to the white (neutral) input wires of the power supply using suitable wire connectors.

⚠ WARNING

RISK OF ELECTRIC SHOCK

AC input connections shall be suitably enclosed. Optionally, the GEPSJB60 may be used for this purpose in signs.

Power Supply Specifications

Performance Data	Min	Typical	Max
Input Voltage (VAC)	108	120-277	305
Input Frequency (Hz)	–	50/60	–
Input Current (A)	–	–	0.95
THD**	–	–	20
PF**	0.95	–	–
Output Voltage (VDC)	23.0	–	25.0
Output Current (ADC)	–	–	4.15
Output Power (W)	–	–	99.6
Environmental Operating Temperature Range	-40°C	+25°C	+55°C*
Environmental Humidity (non-condensing)	10%	–	90%
Environmental Storage Temperature Range	-40°C	–	+85°C
Environmental Rating	UL Dry and Damp Locations		
Dimensions	9.50 in. x 1.69 in. x 1.00 in. (241.3 mm x 43.0 mm x 25.4 mm)		

*Maximum case temperature is 90°C

**At 120VAC - 277VAC Full Load

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.

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

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

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

Conforms to the following standards:



For the most up-to-date version of this installation guide, please visit <https://www.led.com>

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