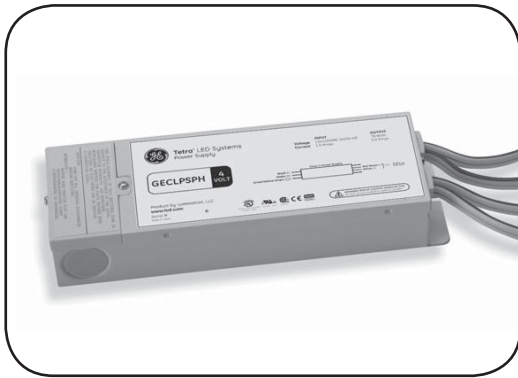


Tetra® LED Systems Power Supply

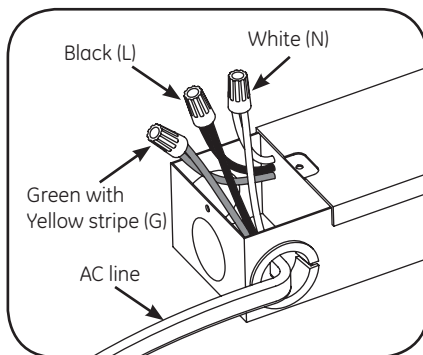
(GECLPSPH)

Step 1: Power Supply Features



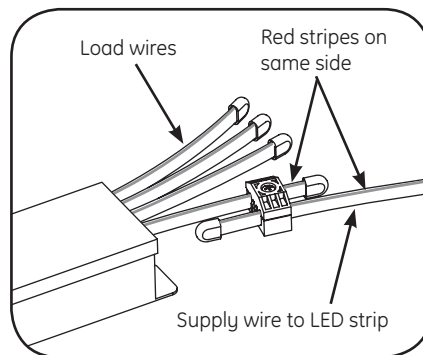
- Supports Tetra® Power White LED Lighting Systems
- Class 2 wiring per NEC Article 725 (SELV)
- Damp location rated
- IP66 rated: separate enclosure required

Step 2: Power Supply Installation



- 1 Run the AC line input into the integral junction box through one of the knockouts provided. Connect the AC wires (line, neutral and ground) to the corresponding wires of the Power Supply. Then reinstall the integral junction box cover.

NOTE: Use standard electrical fittings for connection to the integral junction box.



- 2 Connect the supply wire(s) attached to the Tetra Strip(s) in the channel letter to the load wire(s) from the Power Supply using a splice connector. Make sure both wires have the same orientation (red stripes on the same side).

NOTE: Multiple letters/sections can be attached to one output lead of the power supply.

Note: Exceeding maximum load on any of the 4 load banks will cause the power supply to shut down. Once the excess load is removed, cycle the input power to restart the power supply.

Specific load information for the supported LED systems can be found in the **"Power Supply Specifications"** contained within this document.

Installation Guide

NOTE: For CSA approval, a disconnect/toggle switch of appropriate rating needs to be placed within 29.5 feet (9.0m) of primary side of the power supply. The minimum rating of the switch must be either 120 or 220 Volts AC. The switch must also support twice the amount of input current.

NOTE: The grounding and bonding of the power supply and overall sign shall be done in accordance with National Electric Code (NEC) Article 600.

Step 3: Power Supply Specifications

	Minimum	Typical	Maximum
Input Voltage (VAC) 120/240	96	115/220	264
Input Frequency (Hz)	47	50/60	63
Input Current (A)	1.5	0.90	0.56
Output Voltage (VDC)	-	4.05	-
Output Current (ADC)	2.0	-	20
Output Power (W)	7.6	-	81
Environmental Operating Temperature Range	-25°C	+25°C	+65°C
Environmental Humidity (condensing)	0%	-	95%
Environmental Storage Temperature Range	-40°C	-	+85°C

Enclosure Specification

Dimensions

Damp Location Rated 9.0 inches (229mm) x 2.75 inches (70mm) x 1.5 inches (38mm)

Load per output

Maximum (modules/ft/m)

GEWPHS2-65K - 17 / 8.5 / 2.6

Load per Power Supply

Minimum (modules/ft/m)

Maximum (modules/ft/m)

GEWPHS2-65K 8 / 4 / 1.3 68 / 34 / 10.3

NOTE: Remote mounting for up to 10ft. (3.05m)

⚠ WARNING!

RISK OF ELECTRIC SHOCK:

- Turn power OFF before inspection, installation or removal.
- Properly ground Tetra Power Supply enclosure.
- Shut off power at fuse box or circuit breaker before installation.



RISK OF FIRE:

- Use only Tetra Supply Wire to make connection from Tetra Power Supply to Tetra LED Strip.
- Follow all NEC and local codes.
- Use only UL approved wire for input/output connection. Minimum size 18 AWG (0.82mm²)

Conforms to the following standards:



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