

Tetra® PowerMAX

LED Lighting System

With all new **OptiLens™ X** and groundbreaking energy efficiency

Tetra® PowerMAX—the **24V** remarkable LED system designed for large channel letters as shallow as 4 inches in depth delivers incredibly uniform light, installs easily and operates efficiently. The **Tetra® PowerMAX** is now IP66 and UL wet rated which makes it more robust and reliable even under wet weather.



Powerful all new **OptiLens™ X**

Tetra® PowerMAX features all new **OptiLens™ X** a *new* patented technology that allows for an incredible **170°** viewing angle. The all *new* **Tetra® PowerMAX** is your best option to significantly reduce energy and maintenance costs.

Power Supply Loading

The *new* **24V Tetra® PowerMAX** loading improves 128% from the previous 12V generation. Now load up to 64 feet (19.5 m) or 96 modules of product per GEPS24-100U-NA power supply.

Improved stroke spacing/ New Flow Channels

The *new* **24V Tetra® PowerMAX** stroke spacing has improved on average by 35% (Depth/Stroke Spacing 4"/14", 5"/17", 6"/22"), requiring less product, thanks to the *new* **OptiLens™ X** wide beam angle. In addition, its new silicone flow channels have increased bonding strength by 10-20%.

Tetra® PowerMAX Features

- Wide 170° beam angle
- Improved luminous intensity
- Efficacy: 158 lm/W
- 24 Volt DC, Class 2 (UL), Class III (IEC)
- UL Wet Rated & IP66- no separate enclosure is required
- 5 years limited Warranty

	Can Depth	Coverage
Medium	4-5" (102-127mm)	14" (355.6mm)
	5-6" (127-152mm)	17" (431.8mm)
Large	≥ 6" (152mm)	22" (558.8mm)

Total GE Reliability

To ensure every Tetra® PowerMAX installation will operate brilliantly for years, we perform the most extensive, stringent testing in the industry. We test the LED, water and dust ingress protection, sub-system and complete system at our in-house and independent laboratories around the world. Validation of our designs, components, products and processes include high-temperature, high-humidity and accelerated life testing.

Components

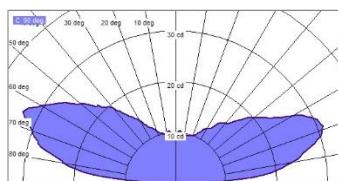
SKU	Description	Details	Color	Pkg Quantity	Additional Information
93051997	GEPM2471-W1	Tetra® PowerMAX 24V 7100K	White	5 Strips/Box	30 modules per strip
93051998	GEPM2450-W1	Tetra® PowerMAX 24V 5000K	Warm White	5 Strips/Box	30 modules per strip
93051999	GEPM2441-W1	Tetra® PowerMAX 24V 4100K	Warm White	5 Strips/Box	30 modules per strip
93052000	GEPM2432-W1	Tetra® PowerMAX 24V 3200K	Warm White	5 Strips/Box	30 modules per strip

Technical Specifications

Description	Wavelength/ CCT	Typical Brightness (Lumens/module)	Typical Brightness Lumen/ft (Lumen/m)	Energy Consumption (Strip/Module)	Energy Consumption (System/Module)	Power Supply Loading	Viewing Angle
GEPM2471-W1	7100K	133	200 (656)	0.84w/module	0.988w/module	64 ft (19.5 m) /100WPS	170
GEPM2450-W1	5000K	133	200 (656)	0.84w/module	0.988w/module	64 ft (19.5 m) /100WPS	170
GEPM2441-W1	4100K	133	200 (656)	0.84w/module	0.988w/module	64 ft (19.5 m) /100WPS	170
GEPM2432-W1	3200K	120	180 (590)	0.84w/module	0.988w/module	64 ft (19.5 m) /100WPS	170

Specification Item	Specification			
LEDs/Module	4			
LEDs/ft (LEDs/m)	6 (19.7)			
Modules/ ft. (Modules/m)	1.5 (4.9)			
Cutting Resolution	Cut on wire between every module			
Power Supply	GEPS24-25-NA Input: 100-305VAC; Output: 24VDC GEPS24D-80U Input: 90-305VAC; Output: 24VDC GEPS24-100U Input: 108-305VAC; Output: 24VDC GEPS24-180U Input: 90-305VAC; Output: 24VDC GEPS24-300U Input: 108-305VAC; Output: 24VDC			
Maximum Supply Wire Limits		18 AWG/0.82 mm ² Supply Wire	16 AWG/1.31 mm ² Supply Wire	14 AWG/2.08 mm ² Supply Wire
	25W Power Supply	120 ft./36.6 m	-	-
	80W Power Supply	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m
	100W Power Supply	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m
	180W Power Supply	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m
	300W Power Supply	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m
Operating Environment	-40 °C to +60 °C			
Module Dimensions (h x l x w) mm	10.76 x 82.9 x 14.4			
Warranty	GE offers a limited system warranty of up to five (5) years			
System Certifications	UL Recognized (C-US) #E219167, UL Classified (C-US) #E229508, CE, ROHS IP66 rated: for dry, damp or wet location.			

Viewing Angle



Mechanical Outline

Dimensions in (inches). Metric equivalent mm.

