

Tetra® PowerMAX HO

LED Lighting System

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

Tetra® PowerMAX HO—the **24V** remarkable LED system designed for channel letters as shallow as 4 inches in depth delivers incredibly uniform light, installs easily and operates efficiently. The **Tetra® PowerMAX HO** 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 HO features all new **OptiLens™ X** a **new** patented technology that allows for an incredible **170°** viewing angle. The all **new Tetra® PowerMAX HO** is your best option to significantly reduce energy and maintenance costs.

Power Supply Loading

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

Improved stroke spacing/ New Flow Channels

The **new 24V Tetra® PowerMAX HO** 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 HO Features

- Wide 170° beam angle
- Improved luminous intensity
- Efficacy: 150 lm/W (3200K: 138lm/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 HO 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

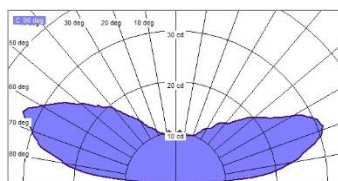
SKU	Description	Details	Color	Pkg Quantity	Additional Information
93067977	GEPMH2471-WCS1	Tetra® PowerMAX HO 24V 7100K	White	5 Strips/Box	35 modules per strip
93067978	GEPMH2450-WCS1	Tetra® PowerMAX HO 24V 5000K	Warm White	5 Strips/Box	35 modules per strip
93067979	GEPMH2441-WCS1	Tetra® PowerMAX HO 24V 4100K	Warm White	5 Strips/Box	35 modules per strip
93067980	GEPMH2432-WCS1	Tetra® PowerMAX HO 24V 3200K	Warm White	5 Strips/Box	35 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
GEPMH2471-WCS1	7100K	180	181 (594) to 88 (288)	1.20w/module	1.50w/module	62 to 125 ft (19 to 38 m) /100WPS	170
GEPMH2450-WCS1	5000K	180	181 (594) to 88 (288)	1.20w/module	1.50w/module	62 to 125 ft (19 to 38 m) /100WPS	170
GEPMH2441-WCS1	4100K	180	181 (594) to 88 (288)	1.20w/module	1.50w/module	62 to 125 ft (19 to 38 m) /100WPS	170
GEPMH2432-WCS1	3200K	165	166 (545) to 80 (264)	1.20w/module	1.50w/module	62 to 125 ft (19 to 38 m) /100WPS	170

Specification Item	Specification			
LEDs/Module	4			
LEDs/ft (LEDs/m)	2.1 to 4 (6.8 to 13.2)			
Modules/ ft. (Modules/m)	0.5 to 1 (1.7 to 3.3)			
Cutting Resolution	Cut on wire between every module			
Power Supply	GEPS24-25-EU Input: 194-264VAC; Output: 24VDC Maximum 17 modules total GEPS24D-80U Input: 90-305VAC; Output: 24VDC Maximum 54 modules total GEPS24-100U-GL Input: 108-305VAC; Output: 24VDC Maximum 64 modules total GEPS24-180U Input: 90-305VAC; Output: 24VDC Maximum 60 modules per output & 120 total GEPS24-300U-GL Input: 108-305VAC Output: 24VDC Maximum 64 modules per output & 192 total			
Maximum Supply Wire Limits		18 AWG/0.82 mm2 Supply Wire	16 AWG/1.31 mm2 Supply Wire	14 AWG/2.08 mm2 Supply Wire
		12 AWG/3.31 mm2 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.

