



LED signage lighting systems

Channel Letters

**Tetra<sup>®</sup> PowerMAX HO**

**GE current**  
a Daintree company

# With powerful **OptiLens™ X** and groundbreaking energy efficiency

**Tetra® PowerMAX HO**—the remarkable 24V LED system designed for channel letters and single-sided cabinet signs from 6 inches (152mm) in depth delivers uniform light, installs easily and operates efficiently. **Tetra® PowerMAX HO** is IP66 and UL wet rated, which makes it more robust and reliable than ever, even under wet weather.

## Powerful OptiLens™ X

**Tetra® PowerMAX** features OptiLens™ X, our patented technology that allows for an incredible 170° viewing angle. This exclusive technology redirects otherwise wasted light to the sign face, making sure your signs shine.

## 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-GL(X) power supply.

## Improved stroke spacing

The new 24V **Tetra® PowerMAX** stroke spacing has improved on average by 35%. PowerMAX HO comes out of the box with tied wire between modules, which can be stretched for greater flexibility.



## Tetra® PowerMAX HO Features

- Wide 170° beam angle
- Efficacy: 150 lm/W
- 24 Volt DC, Class 2 (UL), Class III (IEC)
- UL Wet Rated & IP66
- 10-year limited warranty

Tetra® PowerMAX HO		
	Can Depth	Coverage
Medium	6-7" (152-178mm)	17" (432mm)
	7-8" (178-203mm)	19" (483mm)
Large	≥ 8" (203mm)	21" (533mm)

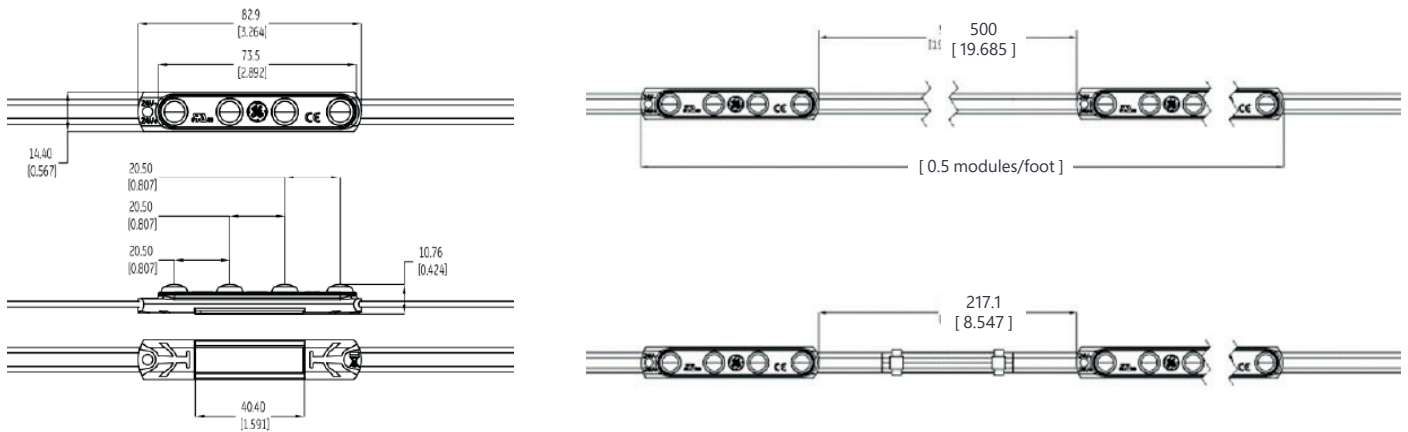
# Total Reliability

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.

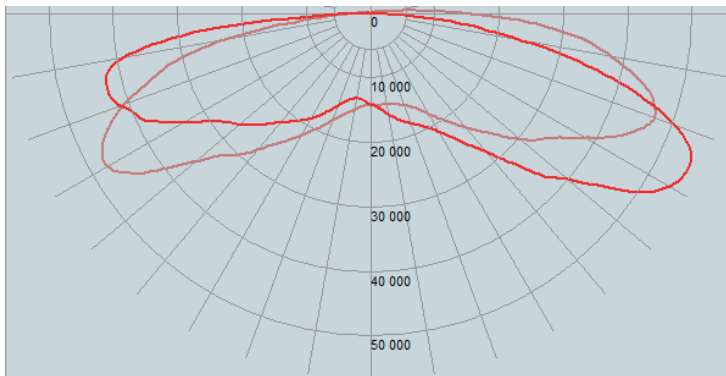


## Mechanical Outline

Dimensions in (inches). Metric equivalent mm.



## Viewing Angle



GEPMH2471-W1CS1

# Components

SKU	Description	Details	Color	Order Unit	Pkg. Quantity	Additional Information
93067977	GEPMH2471-W1CS1	Tetra® PowerMAX HO 24V 7100K	White	Box	5 Strips/Box	35 mods (35 ft tied, 70 ft stretched) per strip
93118731	GEPMH2465-W1CS1	Tetra® PowerMAX HO 24V 6500K	Warm White	Box	5 Strips/Box	35 mods (35 ft tied, 70 ft stretched) per strip
93118732	GEPMH2457-W1CS1	Tetra® PowerMAX HO 24V 5700K	Warm White	Box	5 Strips/Box	35 mods (35 ft tied, 70 ft stretched) per strip
93067978	GEPMH2450-W1CS1	Tetra® PowerMAX HO 24V 5000K	Warm White	Box	5 Strips/Box	35 mods (35 ft tied, 70 ft stretched) per strip
93067979	GEPMH2441-W1CS1	Tetra® PowerMAX HO 24V 4100K	Warm White	Box	5 Strips/Box	35 mods (35 ft tied, 70 ft stretched) per strip
93067980	GEPMH2432-W1CS1	Tetra® PowerMAX HO 24V 3200K	Warm White	Box	5 Strips/Box	35 mods (35 ft tied, 70 ft stretched) per strip

## Technical Specifications

Description	Wavelength/ CCT	Typical Brightness (Lumens/module)	Typical Brightness Tied Wire (Lumen/ft (Lumen/m))	Energy Consumption (Strip/Module)	Energy Consumption (System/Module)	Power Supply Loading Tied Wire	Viewing Angle
GEPMH2471-W1CS1	7100K	180	180 (590)	1.2 W/module	1.41 W/module	64 ft (19.5 m) /100WPS	170°
GEPMH2465-W1CS1	6500K	180	180 (590)	1.2 W/module	1.41 W/module	64 ft (19.5 m) /100WPS	170°
GEPMH2457-W1CS1	5700K	180	180 (590)	1.2 W/module	1.41 W/module	64 ft (19.5 m) /100WPS	170°
GEPMH2450-W1CS1	5000K	180	180 (590)	1.2 W/module	1.41 W/module	64 ft (19.5 m) /100WPS	170°
GEPMH2441-W1CS1	4100K	180	180 (590)	1.2 W/module	1.41 W/module	64 ft (19.5 m) /100WPS	170°
GEPMH2432-W1CS1	3200K	160	160 (525)	1.2 W/module	1.41 W/module	64 ft (19.5 m) /100WPS	170°

## Technical Specifications

Specification Item	Specification (Tied Wire)	Specification (Stretched Wire)			
LEDs/Module	4	4			
LEDs/ft (LEDs/m)	4 (13.1)	2 (6.6)			
Modules/ ft. (Modules/m)	1.0 (3.3)	0.5 (1.6)			
Cutting Resolution	Cut on wire between every module				
Power Supply	GEPS24-25U-EU Input: 220-240VAC; Output: 24VDC GEPS24D-80U Input: 90-305VAC; Output: 24VDC GEPS24-100U-GL(X) Input: 108-305VAC; Output: 24VDC GEPS24-300U-GL Input: 108-305VAC; Output: 24VDC				
Maximum Supply Wire Limits	<b>18 AWG/0.82 mm<sup>2</sup> Supply Wire</b>	<b>16 AWG/1.31 mm<sup>2</sup> Supply Wire</b>	<b>14 AWG/2.08 mm<sup>2</sup> Supply Wire</b>	<b>12 AWG/3.31 mm<sup>2</sup> Supply Wire</b>	
	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	40 ft./12.1 m
	100W Power Supply	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m
	300W Power Supply	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m
Operating Environment	-40 °C to +60 °C				
Module Dimensions (h x l x w)	0.42 in x 3.26 in x 0.57 in (10.76 mm x 82.9 mm x 14.4 mm)				
Warranty	Current offers a limited system warranty of up to ten (10) years				
System Certifications	UL Recognized (C-US) #E219167, UL Classified (C-US) #E229508, CE, ROHS • IP66 rated: for dry, damp or wet location.				