GE Lighting





Tetra® PowerMAX

Maximized Output. Minimized Expense.

Created specifically for large channel letters the **Tetra® PowerMAX** LED system 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. Working closely with sign builders and owners, we've refined our design to improve performance while reducing the amount of product required, further reducing installation and material costs.



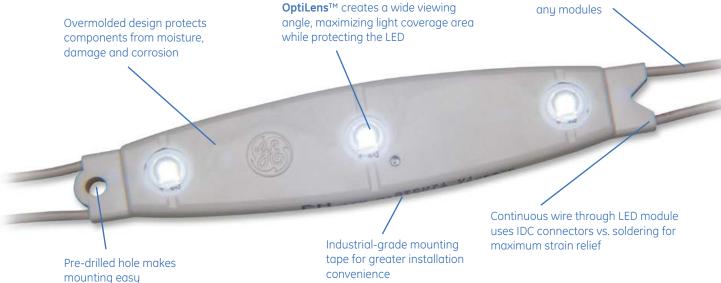
Powerful OptiLens[™]

Tetra® PowerMAX features OptiLens™ a patented technology that captures otherwise wasted light and redirects it towards the illuminated surface with impressive uniformity. It optimizes each LED—which enables wider stroke spacing—reducing the amount of material needed per sign while helping protect the LED against moisture, humidity, damage and corrosion.

Tetra® PowerMAX Wet Location Rated

Now there's a PowerMAX solution for **wet locations** where saturation with water or other liquids is likely. Integrating all the same performance features of PowerMAX, the PowerMAX wet rated is IP66 and UL rated. It contains an added over molded design that protects against water ingress, dust and damage, and a special module top surface to eliminate water retention—no separate enclosure is required.







Use one row, not two. Tetra® PowerMAX stretches stroke spacing to an impressive 11 inches in a 5-inch depth channel while maintaining impressive light uniformity on the sign face. It protects your customers' brand image while reducing product costs and saving you installation time.

Total GE Reliability

To ensure every **Tetra® PowerMAX** installation will operate brilliantly for years, we perform the most extensive, stringent testing in the industry. Rather than relying solely on test data from LED suppliers, 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	Package Quantity
GEPM71-W1	Tetra PowerMAX 7100K	100 ft (30.48m)/ box (150 modules)
GEPM50-W1	Tetra PowerMAX 5000K	100 ft (30.48m)/ box (150 modules)
GEPM41-W1	Tetra PowerMAX 4100K	100 ft (30.48m)/ box (150 modules)
GEPM32-W1	Tetra PowerMAX 3200K	100 ft (30.48m)/ box (150 modules)
9409	18 AWG Supply Wire (0.82 mm ²)	500 ft /spool (152.4 m)
191600041	22-14 AWG Twist-On Wire Connectors (0.33 - 2.08 mm ²)	500/ PK
192160004	18-14 AWG In-line Connectors (IDC) (0.82-2.08 mm ²)	500/ PK

Technical Specifications

		Typical Brightness	Typical Brightness	Energy Consumption	Energy Consumption	Power Supplu	Viewing
Color	Wavelength	(lumens/module)	(lumens/ft.)	(Strip/Module)	(System/Module	Loading	Angle
Tetra PowerMAX	7100K, 5000K 4100K, 3200K		200 180, 164	1.32	1.5	28ft (42 modules)	150

Specification Item	Specification					
LEDs/ Module	3					
Module/ft.	1.5					
Cutting Resolution	Cut on wire between every module					
Power Supply	GEPS12-25U-NA Input: 108-305VAC; Output: 12VDC					
	GEPS12-60U-NA Input: 108-305VAC; Output: 12VDC					
	GEPS12-60U-GL Input: 108-305VAC; Output: 12VDC					
	GEPS12W-60 Input: 90-264VAC; Output: 12VDC					
	GEPS12D-60U Input: 90-305VAC; Output: 12VDC					
	GEPS12-180U-NA Input: 108-305VAC; Output: 12VDC					
Maximum Supply Wire Limits	60W, 80W, 100W, 180W	25W	Supply Wire Gauge			
	20 ft. (6.1 m)	120 ft. (36.6 m)	18AWG/0.82mm ² supply wire - 9409			
	30 ft. (9.1 m)		16AWG/1.31mm ² supply wire			
	50 ft. (15.2 m)		14AWG/2.08mm ² supply wire			
	86 ft. (26.2 m)		12AWG/3.31mm ² supply wire			
	Wiring to be installed in accordance with Article 725 of the National Electric code (NEC).					
Operating Environment	-40 °C to + 60 °C					
Module Dimensions (h x w x l)	0.37 x 0.88 x 4.33 in.					
Sign Dimensions		For best results, recommended sign depth is 4 inches (102mm) or greater				
Warranty	GE offers a limited system	GE offers a limited system warranty of up to five (5) years				
LED Module Certifications	UL Recognized #E219167,	UL Recognized #E219167, UL Classified #E229508 wet location rated, CE & RoHS				





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