Tetra® PowerMAX

LED Lighting System

Project Name _____

Date _____ Type _____

Notes _____

Wet or dry— our **brightest** solution for **large** channel letters is wet location rated

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.

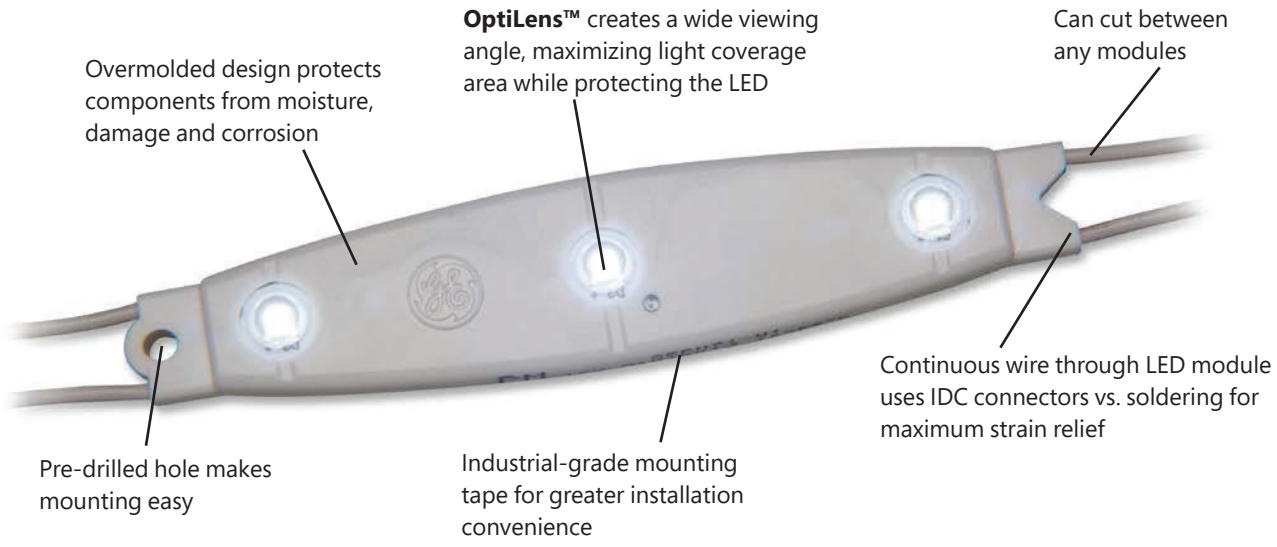
POWERFUL OPTILENS™

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.

NEW!



Current

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Notes _____

CAN CUT PRODUCT REQUIRED ALMOST IN HALF

Many LED systems use about 13 LED modules in 2 rows to fill a capital "T" channel letter that's 3 feet high.

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 CURRENT 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.

Current

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Spec Table

Project Name _____

Date _____ Type _____

Notes _____

Components

SKU	Description	Package Quantity
GEPM71-W1	Tetra® PowerMAX MS 7100K	100 ft. (30.48 m)/box (150 modules)
GEPM50-W1	Tetra® PowerMAX MS 5000K	100 ft. (30.48 m)/box (150 modules)
GEPM41-W1	Tetra® PowerMAX MS 4100K	100 ft. (30.48 m)/box (150 modules)
GEPM32-W1	Tetra® PowerMAX MS 3200K	100 ft. (30.48 m)/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

Color	Wavelength	Typical Brightness (lumens/ module)	Typical Brightness (lumens/ft.)	Energy Consumption (Strip/ Module)	Energy Consumption (System/ Module)	Power Supply Loading	Viewing Angle
Tetra® PowerMAX	7100K, 5000K 4100K, 3200K	133 120, 109	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)	18 AWG (0.82 mm^2) supply wire—9409
	30 ft. (9.1 m)		16 AWG (1.31 mm^2) supply wire
	50 ft. (15.2 m)		14 AWG (2.08 mm^2) supply wire
	86 ft. (26.2 m)		12 AWG (3.31 mm^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 l x w)	0.37 x 0.88 x 4.33 in.		
Sign Dimensions	For best results, recommended sign depth is 4 inches (102mm) or greater		
Warranty	Current offers a limited system warranty of up to five (5) years		
LED Module Certifications	UL Recognized #E219167, UL Classified #E229508 wet location rated, CE & RoHS IP66		