Tetra® MAX
LED Lighting System

Project Name _____

Date _____ Type _____

Notes _____

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

MAXIMIZED OUTPUT. MINIMIZED EXPENSE.

Created specifically for medium channel letters the **Tetra® MAX** LED system delivers incredibly uniform light, installs easily and operates efficiently. The **Tetra® MAX** 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.

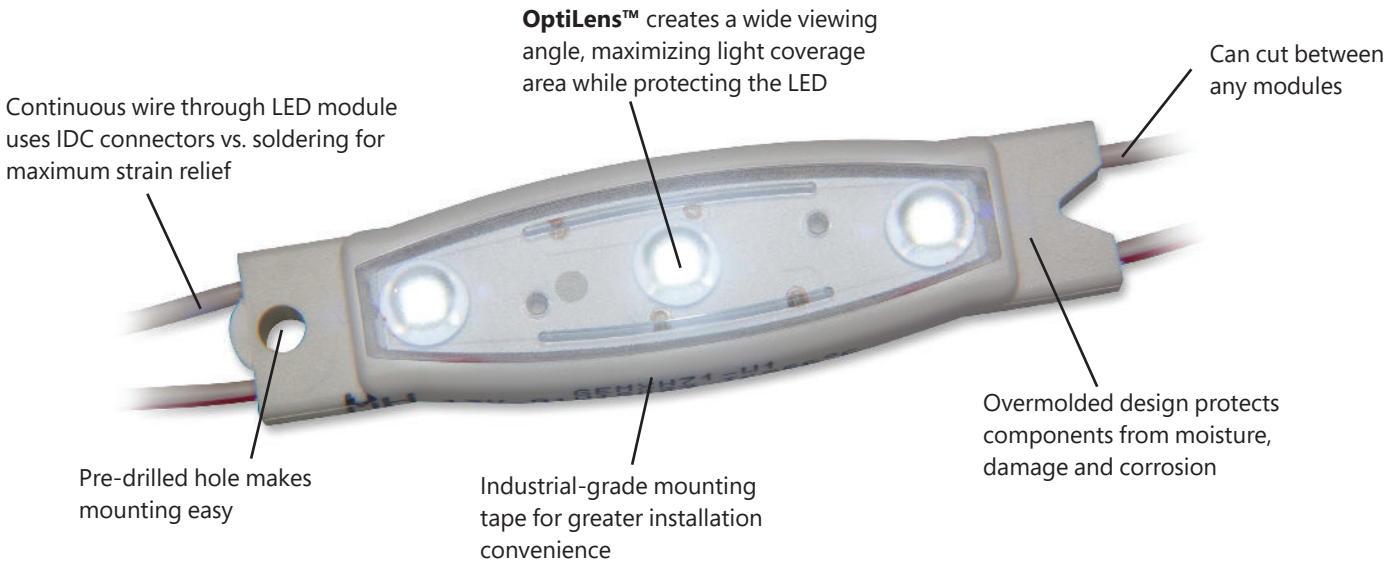
POWERFUL OPTILENS™

Tetra® MAX features **OptiLens™** a patented technology that captures otherwise wasted light and redirects it towards the illuminated surface with remarkable 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® MAX WET LOCATION RATED

Now there's a MAX solution for **wet locations** where saturation with water or other liquids is likely. Integrating all the same performance features of MAX, the Max wet rated is IP66 and UL wet 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!



GE current
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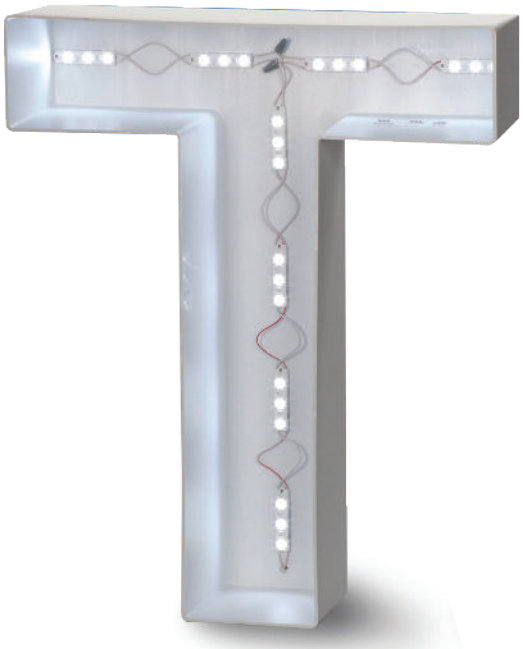

CAN CUT PRODUCT REQUIRED ALMOST IN HALF

Many LED systems use about 15 LED modules in 2 rows to fill a capital "T" channel letter that's 2.5 feet high.

Tetra® MAX stretches stroke spacing to an impressive 9 inches in a 4-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.

TETRA® MAX HIGH OUTPUT

When extreme brightness is desired, **Tetra® MAX** High Output delivers with White and Red options.

TOTAL GE CURRENT RELIABILITY

To ensure every **Tetra® MAX** 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.

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Spec Table

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SKU	Description	Package Quantity
GEMX71-W1	Tetra® MAX MS 7100K	100 ft. (30.48 m)/box (200 modules)
GEMX50-W1	Tetra® MAX MS 5000K	100 ft. (30.48 m)/box (200 modules)
GEMX41-W1	Tetra® MAX MS 4100K	100 ft. (30.48 m)/box (200 modules)
GEMX32-W1	Tetra® MAX MS 3200K	100 ft. (30.48 m)/box (200 modules)
GEMXH71-W1	Tetra® MAX High Output 7100K	100 ft. (30.48 m)/box (200 modules)
GEMXH50-W1	Tetra® MAX High Output 5000K	100 ft. (30.48 m /box (200 modules)
GEMXH41-W1	Tetra® MAX High Output 4100K	100 ft. (30.48 m)/box (200 modules)
GEMXH32-W1	Tetra® MAX High Output 3200K	100 ft (30.48 m)/box (200 modules)
GEMXHRD-W1	Tetra® MAX High Output Red	100 ft (30.48 m)/box (200 modules)
GEMXRD-W1	Tetra® MAX MS Red	100 ft. (30.48 m)/box (200 modules)
GEMXGL-W1	Tetra® MAX MS Green	100 ft. (30.48 m)/box (200 modules)
GEMXBL-W1	Tetra® MAX MS Blue	100 ft. (30.48 m /box (200 modules)
GEMXPO-W1	Tetra® MAX Orange	100 ft (30.48 m)/box (200 modules)
GEMXRC-W1	Tetra® MAX Red-Orange	100 ft (30.48 m)/box (200 modules)
GEMXYG-W1	Tetra® MAX Amber	100 ft (30.48 m)/box (200 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

Color	Wavelength	Typical Brightness (lumens/ module)	Typical Brightness (lumens/ft.)	Energy Consumption (Strip/ Module)	Energy Consumption (System/ Module)	Power Supply Loading	Viewing Angle
Tetra® MAX White	7100K, 5000K	52	105	0.46	0.54	64ft (128 modules)	150
Tetra® MAX Warm White	4100K, 3200K	47, 43	95, 86	0.46	0.54	64ft (128 modules)	150
Tetra® MAX High Output White	7100K, 5000K	82	165	0.72	0.85	40ft (80 modules)	150
Tetra® MAX High Output Warm White	4100K, 3200K	75, 68	150, 136	0.72	0.85	40ft (80 modules)	150
Tetra® MAX High Output Red	625nm	16	31	0.56	0.66	50ft (120 modules)	150
Tetra® MAX MS Red	625nm	14	27	0.48	0.59	60ft (120 modules)	150
Tetra® MAX MS Blue	427nm	10	20	0.48	0.59	60ft (120 modules)	150
Tetra® MAX MS Green	530nm	28	56	0.48	0.59	60ft (120 modules)	150
Tetra® MAX Orange	605nm	13	25	0.36	0.44	80ft (160 modules)	150
Tetra® MAX Red-Orange	618nm	12	23	0.29	0.36	100ft (200 modules)	150
Tetra® MAX Amber	592nm	11	21	0.54	0.66	53ft (106 modules)	150

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Specification Item	Specification		
LEDs/Module	3		
Module/ft.	2		
Cutting Resolution	Cut on wire between every module		
Power Supply	GEPS12-25U-NA Input: 100-305VAC; Output: 12VDC GEPS12-60-NA Input: 108-305VAC; Output: 12VDC GEPS12-60-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
	25 ft. (7.6 m)		16 AWG (1.31 mm^2) supply wire
	35 ft. (10.6 m)		14 AWG (2.08 mm^2) supply wire
	40 ft. (12.1 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 0.74 x 2.80 in.		
Sign Dimensions	For best results, recommended sign depth is 5 inches (127mm) or greater		
Warranty	Current offers a limited system warranty of up to five (5) years		
LED Module Certifications	UL Recognized #E219167, UL Classified #E229508, CE, RCM, RoHS, IP66 wet location rated		

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SIGN100 (Rev 02/10/21)