

Tetra[®] Max

LED Lighting System

Our **brightest** solution for
medium channel letters



Tetra[®] MAX

Maximized Output. Minimized Expense.

Created specifically for medium channel letters the **Tetra MAX** LED system is **28%** brighter than our previous product, delivers incredibly uniform light, installs easily and operates efficiently. 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.

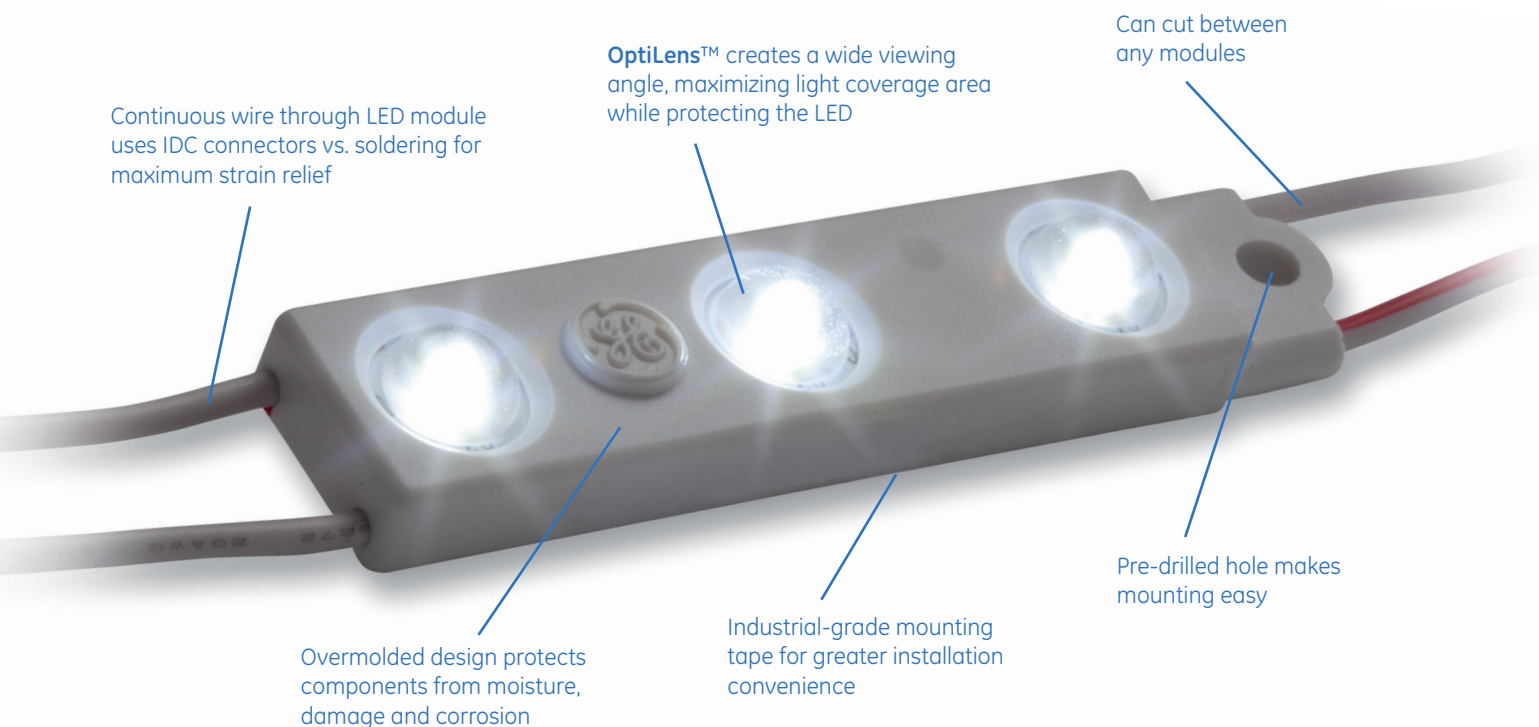
Powerful OptiLens[™]

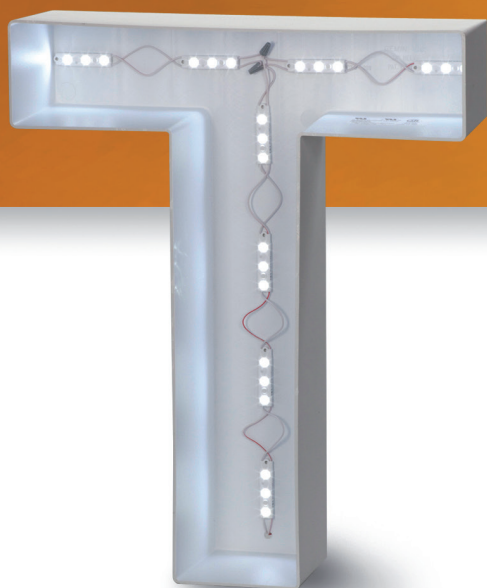


Tetra MAX features **OptiLens[™]** a patented technology that captures otherwise wasted light and redirects it towards the illuminated surface with remarkable uniformity. It optimizes each LED—which enables wider stroke spacing—reducing the amount of material needed per sign while helping protect the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

6% Greater loading is a competitive advantage

Our system can now operate 128 modules of product per 60W power supply (up from 120 modules in our previous design) for even greater material and installation labor savings.





a product of
ecomagination™

Can cut product required almost in half

Many LED systems use about 15 LED modules in 2 rows to fill a capitol "T" channel letter that's 750mm high.

Improved **Tetra MAX**, requires just 8 LED modules to fill the exact same letter (giving up some brightness) while providing outstanding uniformity. That's **46% fewer modules**.

Use one row, not two. **Tetra MAX** stretches stroke spacing to an impressive 229mm in a 102mm 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. This super bright system is now **30%** brighter than our previous product.

Total GE Reliability

To ensure every **Tetra MAX** installation will operate brilliantly for years, we perform the most extensive, stringent testing in the industry. Rather than rely solely on test data from LED suppliers, we test the LED, 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

Product Code	Description	Package Quantity	EEC	Energy Consumption [kWh/1000h]
13628	Tetra MAX 7100K	100 ft (30.48 m)/box (200 modules)	A++	0.502
13629	Tetra MAX 5000K	100 ft (30.48 m)/box (200 modules)	A++	0.502
13633	Tetra MAX 4100K	100 ft (30.48 m)/box (200 modules)	A++	0.502
13637	Tetra MAX 3200K	100 ft (30.48 m)/box (200 modules)	A++	0.502
13638	Tetra MAX High Output 7100K	100 ft (30.48 m)/box (200 modules)	A++	0.792
13640	Tetra MAX High Output 5000K	100 ft (30.48 m)/box (200 modules)	A++	0.792
13651	Tetra MAX High Output 4100K	100 ft (30.48 m)/box (200 modules)	A++	0.792
13654	Tetra MAX High Output 3200K	100 ft (30.48 m)/box (200 modules)	A++	0.792
98929	Tetra MAX High Output Red	100 ft (30.48 m)/box (200 modules)		
98925	Tetra MAX Red	100 ft (30.48 m)/box (200 modules)		
98924	Tetra MAX Green	100 ft (30.48 m)/box (200 modules)	A++	0.502
98923	Tetra MAX Blue	100 ft (30.48 m)/box (200 modules)		
98926	Tetra MAX Orange	100 ft (30.48 m)/box (200 modules)		
98927	Tetra MAX Red-Orange	100 ft (30.48 m)/box (200 modules)		
98928	Tetra MAX Amber	100 ft (30.48 m)/box (200 modules)		
68347	18 AWG Supply Wire (0.82 mm ²)	500 ft /spool (152.4 m)		
98509	22-14 AWG Twist-On Wire Connectors (0.33 - 2.08 mm ²)	500/ PK		
98524	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/m)	Energy Consumption (strip/module) [kWh/1000h]	Energy Consumption (system/module) [kWh/1000h]	Power Supply Loading	Viewing Angle
Tetra MAX White	7100K, 5000K	52	346	0.46	0.54	18.18m (128 modules)	150
Tetra MAX Warm White	4100K, 3200K	47, 43	313, 284	0.46	0.54	18.18m (128 modules)	150
Tetra MAX High Output White	7100K, 5000K	82	544	0.72	0.85	12.12m (80 modules)	150
Tetra MAX High Output Warm White	4100K, 3200K	75,68	495, 449	0.72	0.85	12.12m (80 modules)	150
Tetra MAX High Output Red	625nm	16	102	0.41	0.49	21.51m (142 modules)	150
Tetra MAX Red	625nm	14	89	0.48	0.59	18.18m (120 modules)	150
Tetra MAX Blue	467nm	10	66	0.48	0.59	18.18m (120 modules)	150
Tetra MAX Green	530nm	30	198	0.48	0.59	18.18m (120 modules)	150
Tetra MAX Orange	606nm	13	82	0.36	0.44	24.24m (160 modules)	150
Tetra MAX Red-Orange	618nm	12	76	0.29	0.36	30.30m (200 modules)	150
Tetra MAX Amber	589nm	16	69	0.54	0.66	16.06m (106 modules)	150

Specification Item	Specification
Cutting Resolution	Cut on wire between every module
Power Supply	GEPS12-20 Input: 90-264VAC; Output: 12VDC GEPS12-60-GL Input: 108-305VAC; Output: 12VDC GEPS12W-60 Input: 90-264VAC; Output: 12VDC GEPS12D-60U Input: 90-305VAC; Output: 12VDC
Maximum Supply Wire Limits	60W, 80W, 100W, 180W 20 ft. (6.1m) 25 ft. (7.6m) 35 ft. (10.6m) 40 ft. (12.1m) 20W 120 ft. (36.6m) Supply Wire Gauge 18AWG/0.82mm ² supply wire – 9409 16AWG/1.31mm ² supply wire 14AWG/2.08mm ² supply wire 12AWG/3.31mm ² supply wire
Operating Environment	Wiring to be installed in accordance with Article 725 of the National Electric Code (NEC). -40 °C to +60 °C
Module Dimensions (H×L×W)	Tetra MAX, Tetra MAX High Output White & Warm White: 0.31 x 2.56 x 0.55 in. (8 x 65 x 14 mm) Tetra MAX High Output Red: 0.24 x 3.06 x 0.55 in. (8 x 78 x 14 mm)
Sign Dimensions	For best results, recommended sign depth is 4 inches (102mm) or greater
Warranty	GE offers a limited system warranty of up to five (5) years
System Certifications	UL Recognized #E219167, UL Classified #E229508, CSA Approved #216319, CE, C-tick, RoHS IP66 rated: separate enclosure required, damp location rated

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