

Components

SKU	Description	Package Quantity	EEC	Energy consumption
GEMX71-W1	Tetra MAX 7100K	100 ft (30.48 m)/box (200 modules)	A++	0.502
GEMX50-W1	Tetra MAX 5000K	100 ft (30.48 m)/box (200 modules)	A++	0.502
GEMX41-W1	Tetra MAX 4100K	100 ft (30.48 m)/box (200 modules)	A++	0.502
GEMX32-W1	Tetra MAX 3200K	100 ft (30.48 m)/box (200 modules)	A++	0.502
GEMXH71-W1	Tetra MAX High Output 7100K	100 ft (30.48 m)/box (200 modules)	A++	0.792
GEMXH50-W1	Tetra MAX High Output 5000K	100 ft (30.48 m)/box (200 modules)	A++	0.792
GEMXH41-W1	Tetra MAX High Output 4100K	100 ft (30.48 m)/box (200 modules)	A++	0.792
GEMXH32-W1	Tetra MAX High Output 3200K	100 ft (30.48 m)/box (200 modules)	A++	0.792
GEMXHRD-1	Tetra MAX High Output Red	100 ft (30.48 m)/box (200 modules)		
GEMXHRD-W1	Tetra MAX High Output WET RED	100 ft (30.48 m)/box (200 modules)		
GEMXRD-1	Tetra MAX Red	100 ft (30.48 m)/box (200 modules)		
GEMXGL-1	Tetra MAX Green	100 ft (30.48 m)/box (200 modules)	A++	0.502
GEMXBL-1	Tetra MAX Blue	100 ft (30.48 m)/box (200 modules)		
GEMXPO-1	Tetra MAX Orange	100 ft (30.48 m)/box (200 modules)		
GEMXRC-1	Tetra MAX Red-Orange	100 ft (30.48 m)/box (200 modules)		
GEMXYG-1	Tetra MAX Amber	100 ft (30.48 m)/box (200 modules)		
GEMXRD-W1	Tetra MAX WET RED	100 ft (30.48 m)/box (200 modules)		
GEMXBL-W1	Tetra MAX WET BLUE	100 ft (30.48 m)/box (200 modules)		
GEMXGL-W1	Tetra MAX WET GREEN	100 ft (30.48 m)/box (200 modules)		
GEMXPO-W1	Tetra MAX WET ORANGE	100 ft (30.48 m)/box (200 modules)		
GEMXRC-W1	Tetra MAX WET RED ORANGE	100 ft (30.48 m)/box (200 modules)		
GEMXYG-W1	Tetra MAX WET AMBER	100 ft (30.48 m)/box (200 modules)		
68347/75514	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 MAX White	7100K, 5000K	52	105	0.46	0.54	19.5m (128 modules)	150
Tetra MAX Warm White	4100K, 3200K	47, 43	95, 86	0.46	0.54	19.5m (128 modules)	150
Tetra MAX High Output White	7100K, 5000K	82	165	0.72	0.85	12.2m (80 modules)	150
Tetra MAX High Output Warm White	4100K, 3200K	75, 68	150, 136	0.72	0.85	12.2m (80 modules)	150
Tetra MAX High Output Red	625nm	16	31	0.41	0.49	21.6M (142 modules)	150
Tetra MAX Red	625nm	14	27	0.48	0.59	18.3m (120 modules)	150
Tetra MAX Blue	467nm	10	20	0.48	0.59	18.3m (120 modules)	150
Tetra MAX Green	530nm	28	56	0.48	0.59	18.3m (120 modules)	150
Tetra MAX Orange	606nm	13	25	0.36	0.44	24.4M (160 modules)	150
Tetra MAX Red-Orange	618nm	12	23	0.29	0.36	30.5M (200 modules)	150
Tetra MAX Amber	589nm	11	21	0.54	0.66	16.2M (106 modules)	150

Specification Item	Specification
LEDs/ Module	3 (Tetra MAX HO Red contains 4 LEDs)
Module/ft.	2
Cutting Resolution	Cut on wire between every module
Power Supply	GEPS12-25 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
Maximum Supply Wire Limits	60W, 80W, 100W 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)	10 x 19 x 71 mm
Sign Dimensions	For best results, recommended sign depth is 5 inches (127mm) or greater For best results, recommended sign depth is 10 inches (254mm) or greater
Warranty	GE 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 Tested to IP68*

*5m / 60 min (not for continuous operation under water)

www.gelighting.com

and General Electric are both registered trademarks of the General Electric Company

GE Lighting is constantly developing and improving its products. For this reason, all product descriptions in this brochure are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, GE Lighting cannot accept any liability arising from the reliance on such data to the extent permitted. Tetra® MAX Data Sheet - September 2015



www.gelighting.com

Tetra® MAX

LED Lighting System

Wet or dry -
Our **brightest** solution
for **medium** channel
letters is wet location rated



Tetra[®] MAX

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 **IP68* tested** and UL and CE 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 is **tested to IP68*** and uL and CE 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.



*5m / 60 min (not for continuous operation under water)



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 76 cm high.

Use one row, not two. **Tetra[®] MAX** stretches stroke spacing to an impressive 23 cm in a 10 cm 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 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.