

GE
Lumination

Tetra[®] MAX

LED Lighting System
for Channel Letters

Maximum **reliability**
is *easier* than ever



imagination at work

Tetra[®] MAX

Maximizing your ease of installation

With the Tetra MAX LED Lighting System from GE Lumination, achieving maximum reliability in channel letter applications is easier than ever. Working closely with sign builders, installers and owners, we've focused on the simplicity of the entire system by reducing the complexity and number of parts to install—saving customers time and money every step of the way. Utilizing GE Six Sigma quality standards for development and testing, Tetra MAX delivers maximum reliability and affordability.



Use less LEDs to light up your sign

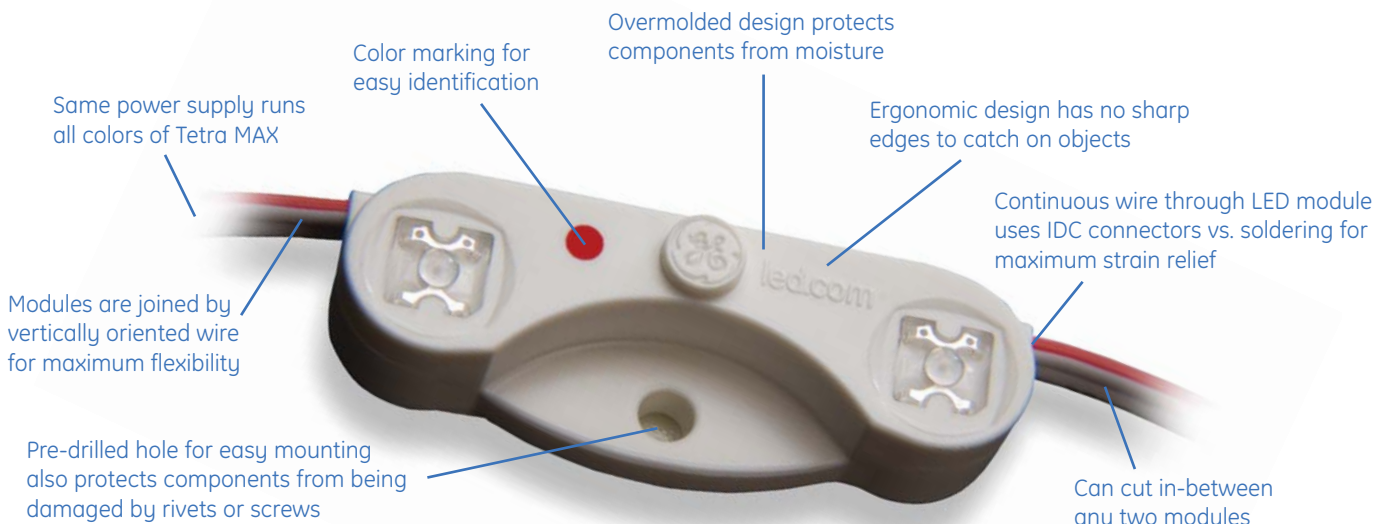
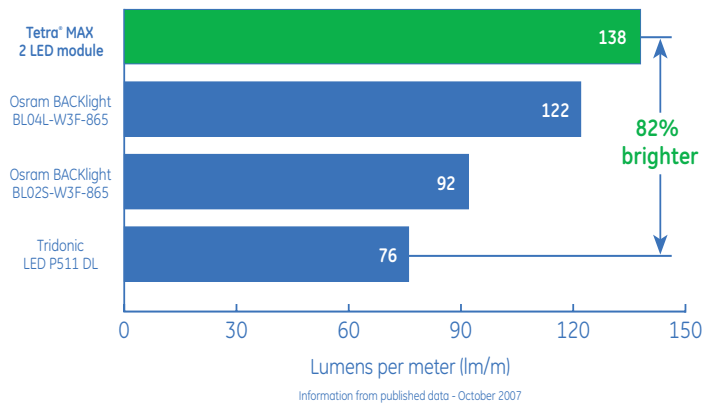
Tetra MAX emits up to 82% more lumens than other LED systems—reducing the total number of LEDs required to achieve maximum brightness. Fewer LEDs are needed to brilliantly light up channel letters, helping to reduce material costs and installation labor.

Maximum Convenience

Designed with installers in mind

Patent-pending Tetra MAX is incredibly easy to install. This low-voltage 12VDC design saves time and labor costs by reducing complex wiring, using the same power supply for all colors and eliminating binning, dip switches and load balancing. This system uses off-the-shelf components, such as wire and wire connectors, and includes 3M VHB™ industrial-grade mounting tape for greater convenience and savings.

Luminous Flux Comparison
White System





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Even estimating is simple

Tetra MAX makes estimating the right amount of product you need less time consuming. The number of strokes required is based on the width of your channel letter.

Channel Width	# Strokes
< 127 mm (5 inches)	1
127-203 mm (5-8 inches)	2
203-305 mm (8-12 inches)	3

Based on channel letter depth of 127 mm (5 inches)

Packaging that works for you

Even Tetra MAX packaging has been improved with your convenience in mind. Highly visible color markings have been added to the LED modules and product packages for instant recognition of the LED color. Easy-to-read labels on interior and exterior packaging make product identification faster than before. Plus, key product information is printed on all interior packaging trays for quick reference.

Maximum Reliability

Over 57 million Tetra[®] LEDs installed worldwide

Only GE Lumination has the depth of experience that comes from supplying more than 57 million LEDs of Tetra products across the globe. With a failure rate less than 0.05 percent*, every Tetra strip is backed with a reputation for reliability that is unsurpassed in the industry.

*Warranty return rate through October 2007

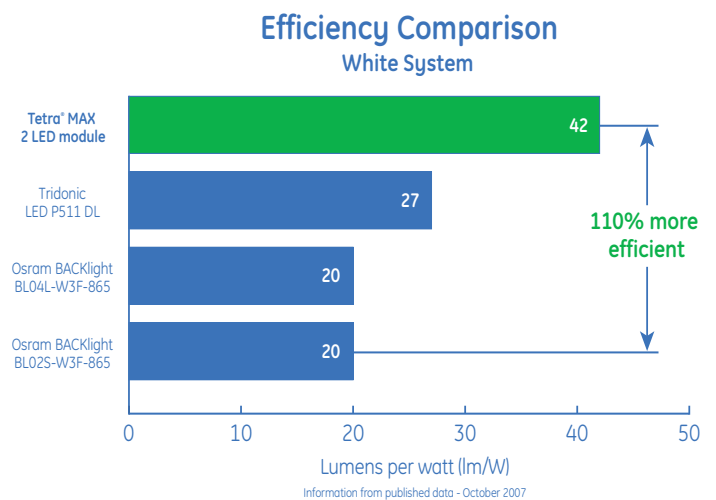
Built to last

Building on that remarkable tradition of performance, Tetra MAX has a long-life of up to 50,000 hours—reducing ongoing maintenance costs. Robust, overmolded design keeps damaging moisture out to protect the LED components from failure. It all adds up to a greater degree of assurance you can count on for years to come.

Maximum Efficiency

Designed with your operating budget in mind

Tetra MAX delivers up to 110% more lumens per watt over other LED systems—substantially lowering the amount of energy required to achieve maximum brightness. It complies with RoHS standards and is UL recognized. This environmentally responsible system is energy efficient and contains no lead, mercury or glass, so handling and disposal are less of a concern.



Maximum Brand Protection

Brilliant, uniform light

With Tetra MAX, sign owner reputation is protected from the embarrassment of unsightly dim or burned-out signs that threaten positive brand perception. Even in cold weather, this robust Tetra system keeps brilliant, uniform light shining across the entire sign face, providing the reliability every retailer, office and commercial building owner expects from a premium signage solution.

Components

SKU	Description	Package
GERDMXS6	Tetra® MAX Red 2 LED Module, ~20 LEDs/m (6 LEDs/ft)	30.48 m (100 ft)/box
GEGLMXS6	Tetra® MAX Green 2 LED Module, ~20 LEDs/m (6 LEDs/ft)	30.48 m (100 ft)/box
GEBLMXS6	Tetra® MAX Blue 2 LED Module, ~20 LEDs/m (6 LEDs/ft)	30.48 m (100 ft)/box
GEWHMXS6	Tetra® MAX White 2 LED Module, 6500K, ~20 LEDs/m (6 LEDs/ft)	30.48 m (100 ft)/box
GEWWMXS6	Tetra® MAX Warm White 2 LED Module, 3200K, ~20 LEDs/m (6 LEDs/ft)	30.48 m (100 ft)/box
GERDMXL6	Tetra® MAX Red 3 LED Module, ~20 LEDs/m (6 LEDs/ft)	30.48 m (100 ft)/box
GEPS12-60	Power Supply: 12VDC/60W	10/box
GETMEC1	18 AWG Wire End Caps (0.82 mm ²)	100/bag
9409	18 AWG Supply Wire (0.82 mm ²)	152.40 m (500 ft)/spool
191600041	22-14 AWG Twist-on Wire Connector (0.33-2.08 mm ²)	500/bag
192160004	18-14 AWG In-line Splice Connector (0.82-2.08 mm ²)	500/bag

Product samples are available in each color. Contact your sales rep for further details.

Technical Specifications

Specification Item	Specification
Typical Brightness (lumens/linear unit)	Red (2 & 3 LED Modules): 68.90 lm/m (21 lm/ft), Green: 137.80 lm/m (42 lm/ft), Blue: 39.37 lm/m (12 lm/ft), White: 137.80 lm/m (42 lm/ft), Warm White: 118.11 lm/m (36 lm/ft)
Wavelength & Color Temperature	Red: 625nm, Blue: 467nm, Green: 530nm, White: 6500K, Warm White: 3200K
Power Supply (GEPS12-60)	Input: 90-265VAC, Output: 12VDC/60W, Damp Rated, Self-Contained, Remote or Raceway, 1 Output Bank, Class 2
Viewing Angle	Red, Green, Blue: 100°, White: 105°, Warm White: 110°
Cutting Resolution	Cut in-between any two modules: 51 mm (2 inches) for 2 LED Module, 76 mm (3 inches) for 3 LED Module
Operating Environment	-40°C to +60°C
Loading per Power Supply	16.46 m (54 ft) for 2 LED Module, 24.38 m (80 ft) for 3 LED Module
Supply Wire Limits	0.30-9.14 m (1-30 ft)
Sign Dimensions	For best results, recommended sign depth is 127-203 mm (5-8 inches)
Energy Consumption	2 LED Module - Strip: 3.25 W/m (0.99 W/ft), System: 3.94 W/m (1.20 W/ft) 3 LED Module - Strip: 2.17 W/m (0.66 W/ft), System: 2.62 W/m (0.80 W/ft)
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



Compliments of:



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