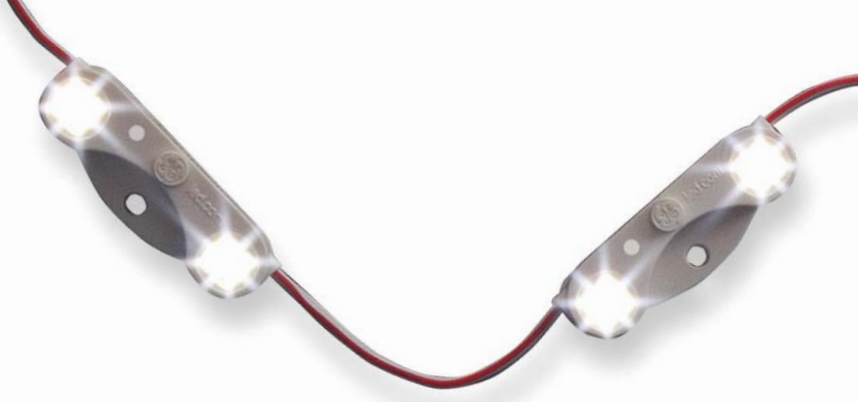GE
Lumination

Tetra® MAX
LED Lighting System

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

GE 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.
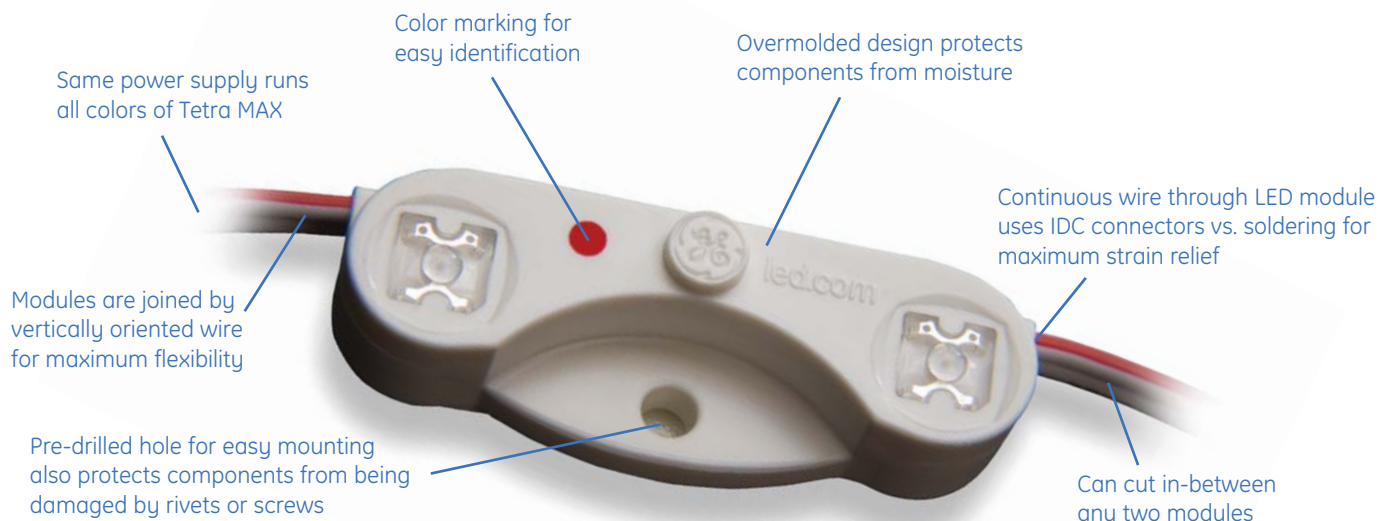
Maximum Convenience

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 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.

Light more LEDs from one single power supply

The same 12-Volt Tetra Power Supply can be used for all colors of the Tetra MAX system. The ability to power more LED modules from a single supply reduces the total number of power supplies needed, lowering material costs and cutting install labor.

Same power supply runs all colors of Tetra MAX

Color marking for easy identification

Overmolded design protects components from moisture

Continuous wire through LED module uses IDC connectors vs. soldering for maximum strain relief

Modules are joined by vertically oriented wire for maximum flexibility

Pre-drilled hole for easy mounting also protects components from being damaged by rivets or screws

Can cut in-between any two modules

Packaging that works for you

Even Tetra MAX packaging has been created 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. Plus, key product information is printed on all interior packaging trays for quick reference.

Maximum Reliability

Over 19 million feet of Tetra® LEDs installed worldwide

Only GE Lumination has the depth of experience that comes from supplying more than 19 million feet of Tetra LEDs across the globe. With a warranty return rate less than 0.05 percent,* every Tetra LED system is backed with a reputation for reliability that is unsurpassed in the industry.

*Warranty return rate through August 2009

Built to last

Building on that remarkable tradition of performance, Tetra MAX has a long-life of up to 50,000 hours—slashing 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 Energy Savings

Designed with your operating budget in mind

Tetra MAX delivers up to 81% energy savings over neon—substantially lowering operating costs. It complies with RoHS standards and is UL recognized. This environmentally responsible system 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	100 ft. (30.48 m)/box (300 modules)
GERDMXL6	Tetra MAX Red 3 LED module	100 ft. (30.48 m)/box (200 modules)
GERCMXS6	Tetra MAX Red-Orange 2 LED module	100 ft. (30.48 m)/box (300 modules)
GERCMXL6	Tetra MAX Red-Orange 3 LED module	100 ft. (30.48 m)/box (200 modules)
GEYGMXS6	Tetra MAX Amber 2 LED module	100 ft. (30.48 m)/box (300 modules)
GEGLMXS6	Tetra MAX Green 2 LED module	100 ft. (30.48 m)/box (300 modules)
GEBLMXS6	Tetra MAX Blue 2 LED module	100 ft. (30.48 m)/box (300 modules)
GEWHMXS6	Tetra MAX White 2 LED module	100 ft. (30.48 m)/box (300 modules)
GEWHMXWA5	Tetra MAX White 2 LED module	100 ft. (30.48 m)/box (250 modules)
GEWWMXS6	Tetra MAX Warm White 2 LED module	100 ft. (30.48 m)/box (300 modules)
GEWWMXWA5	Tetra MAX Warm White 2 LED module	100 ft. (30.48 m)/box (250 modules)
GEPS12-20	Power Supply Input: 90-264VAC Output: 12VDC/20W	10/box
GEPS12-60	Power Supply Input: 90-264VAC Output: 12VDC/60W	10/box
GEPS12-60U	Power Supply Input: 108-305VAC Output: 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)	500 ft (152.40 m)/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

SKU	Description	Color	Wavelength Color Temp.	Lumens per Module	Viewing Angle	LED Strip Energy Consumption (Watts per module)	LED System Energy Consumption (Watts per module)
GERDMXS6	Tetra MAX 2 LED module	Red	625 nm	7	100	0.33	0.40
GERDMXL6	Tetra MAX 3 LED module	Red	625 nm	11	100	0.33	0.40
GERCMXS6	Tetra MAX 2 LED module	Red-Orange	618 nm	6	105	0.33	0.40
GERCMXL6	Tetra MAX 3 LED module	Red-Orange	618 nm	9	105	0.33	0.40
GEYGMXS6	Tetra MAX 2 LED module	Amber	592 nm	7	100	0.33	0.40
GEGLMXS6	Tetra MAX 2 LED module	Green	530 nm	14	100	0.33	0.40
GEBLMXS6	Tetra MAX 2 LED module	Blue	467 nm	4	100	0.33	0.40
GEWHMXS6	Tetra MAX 2 LED module	White	6500 K	14	105	0.33	0.40
GEWHMXWA5	Tetra MAX 2 LED module	White	6500 K	24	150	0.41	0.48
GEWWMXS6	Tetra MAX 2 LED module	Warm White	3200 K	12	110	0.33	0.40
GEWWMXWA5	Tetra MAX 2 LED module	Warm White	3200 K	19	150	0.41	0.48

Specification Item	Specification
Cutting Resolution	Cut between every module
LED Strip Operating Environment	-40°C to +60°C
Power Supply	**GEPS12-20** Input: 90-264 VAC Output: 12 VDC • **GEPS12-60** Input 90-264 VAC Output: 12 VDC • **GEPS12-60U** Input: 108-305 VAC Output: 12VDC
Loading Per Power Supply	See Tetra Power Supply Install Instruction for specific loading per SKU
Maximum Supply Wire Limits	See Tetra Power Supply Install Instruction for specific remote mounting limits
Sign Dimensions	For best results, recommended sign depth is 5 inches (127 mm)
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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CLASSIFIED **UL** Retrofit Sign Conversion E229508 6NA2
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CE
C-tick
RoHS COMPLIANT 2002/95/EC