

GE
Lighting Solutions

Tetra[®] MAX

LED Lighting System

Maximized **performance** in *medium* channel letters

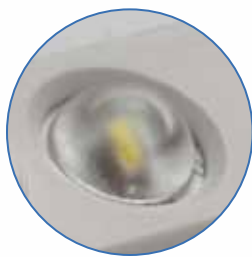


imagination at work

Tetra[®] MAX

Maximum Performance Minimizes Costs

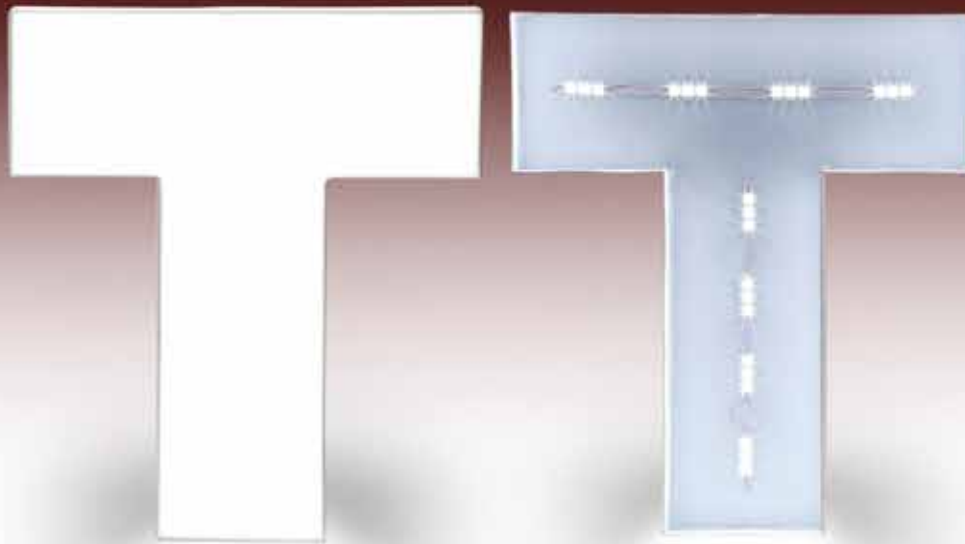
Tetra[®] MAX is the remarkable LED System designed for medium channel letters. Working closely with sign builders and owners, we've designed a lighting solution that provides outstanding uniformity with less product to help you save on installation and material costs.



The OptiLens[™] Difference

OptiLens[™] maximizes LED performance by capturing otherwise wasted light and redirecting it towards the illuminated surface to create an exceptionally uniform channel letter. This unique lens technology optimizes each LED to allow for wider stroke spacing, which helps reduce the amount of material needed in each sign. In addition, OptiLens helps protect the LED against moisture, humidity, damage and corrosion.





Exceptional Uniformity and Wider Stroke Spacing

New, super-efficient Tetra MAX stretches stroke spacing to an impressive 11 inches in a 5-inch depth channel letter without sacrificing on uniformity! When following our recommended layout guidelines, sign OEMs can cut the number of LED modules in half and still maintain exceptional uniformity across the sign face. You need to see it to believe it.

Help your customers protect their brand image with a uniform lit sign that performs flawlessly for years. When you use Tetra MAX in your medium channel letters, you enhance your good name as well as theirs.

Tetra® MAX High Output



This high-lumen product is 53% brighter than new Tetra MAX—for those applications where extreme brightness is desired. Both Tetra MAX High Output and Tetra MAX have the same layout instructions, reducing installation and prep work for sign OEMs.

Building GE Reliability into Every Sign

Reliability matters. That's why we rigorously test our designs, components, products and processes (including high temperature, high-humidity and accelerated life testing) to ensure that every Tetra MAX LED lighting system performs brilliantly for years.



a product of
ecomagination™

Components

| SKU | Description | Package Quantity |
|---------------|---|------------------------------------|
| GEWHMXTS6 | Tetra [®] MAX, 7100K, 6 LEDs/ft. (~19 LEDs/m) | 100 ft (30.48 m)/box (200 modules) |
| GEWWMXTS6 | Tetra [®] MAX, 3200K, 6 LEDs/ft. (~19 LEDs/m) | 100 ft (30.48 m)/box (200 modules) |
| GEWWMXTS6-50K | Tetra [®] MAX, 5000K, 6 LEDs/ft. (~19 LEDs/m) | 100 ft (30.48 m)/box (200 modules) |
| GEWWMXTS6-41K | Tetra [®] MAX, 4100K, 6 LEDs/ft. (~19 LEDs/m) | 100 ft (30.48 m)/box (200 modules) |
| GEWHMHTS6 | Tetra [®] MAX High Output 7100K, 6 LEDs/ft. (~19 LEDs/m) | 100 ft (30.48 m)/box (200 modules) |
| GEWWMHTS6 | Tetra [®] MAX High Output 3200K, 6 LEDs/ft. (~19 LEDs/m) | 100 ft (30.48 m)/box (200 modules) |
| GEWWMHTS6-50K | Tetra [®] MAX High Output 5000K, 6 LEDs/ft. (~19 LEDs/m) | 100 ft (30.48 m)/box (200 modules) |
| GEWWMHTS6-41K | Tetra [®] MAX High Output 4100K, 6 LEDs/ft. (~19 LEDs/m) | 100 ft (30.48 m)/box (200 modules) |
| GEWHMXTS6WD | Tetra [®] MAX, 7100K, 2 module sample | 1 sample |
| GEWWMXTS6WD | Tetra [®] MAX, 3200K, 2 module sample | 1 sample |
| GEWHMHTS6WD | Tetra [®] MAX High Output 7100K, 2 module sample | 1 sample |
| GEWWMHTS6WD | Tetra [®] MAX High Output 3200K, 2 module sample | 1 sample |
| 9409 | 18 AWG Supply Wire (0.82 mm2) | 500 ft (152.40 m)/spool |
| 191600041 | 22-14 AWG Twist-on Wire Connector (0.33-2.08 mm2) | 500/bag |
| 192160005 | 22-18 AWG In-line Splice Connector (0.33-0.82 mm2) | 500/bag |

Technical Specifications

| Color | Typical Brightness (lumens/module) | Typical Brightness (lumens/ft.) | Wavelength Color Temp. | LEDs/Module | Modules/Foot | Power Supply Loading 60W | Viewing Angle |
|---|------------------------------------|---------------------------------|------------------------|-------------|--------------|--------------------------|---------------|
| Tetra [®] MAX White | 38 | 75 | 7100K | 3 | 2 | 60 ft. (120 modules) | 150° |
| Tetra [®] MAX Warm White | 27 | 54 | 3200K | 3 | 2 | 60 ft. (120 modules) | 150° |
| Tetra [®] MAX High Output White | 58 | 115 | 7100K | 3 | 2 | 40 ft. (80 modules) | 150° |
| Tetra [®] MAX High Output Warm White | 46 | 92 | 3200K | 3 | 2 | 40 ft. (80 modules) | 150° |

| Specification Item | Specification | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------------|------------------|-------------|-------------|---|-----------------|--|------------------|--|------------------|--|--|--|------------------|--|--|--|-------------------|--|--|
| Cutting Resolution | Cut between any module | | | | | | | | | | | | | | | | | | | | |
| LED Strip Operating Environment | -40 °C to +60 °C | | | | | | | | | | | | | | | | | | | | |
| Tetra [®] MAX Energy Consumption | Strip: 0.48 W/module, System: 0.58 W/module | | | | | | | | | | | | | | | | | | | | |
| Tetra [®] MAX High Output Energy Consumption | Strip: 0.72 W/module, System: 0.86 W/module | | | | | | | | | | | | | | | | | | | | |
| Power Supply | GEPS12-20 Input: 90-264VAC; Output 12VDC GEPS12-60 Input: 90-264VAC; Output 12VDC GEPS12-60U Input: 108-305VAC; Output 12VDC GEPS12D-60U Input: 90-305VAC; Output 12VDC GEPS12-180U Input: 90-305VAC; Output 12VDC | | | | | | | | | | | | | | | | | | | | |
| Maximum Supply Wire Limits | <table border="1"> <thead> <tr> <th>Supply Wire Gauge</th> <th>GEPS12-60, 60U</th> <th>GEPS12D-60U</th> <th>GEPS12-180U</th> </tr> </thead> <tbody> <tr> <td>18 AWG (0.82 mm²) supply wire—9409</td> <td>30 ft. (9.14 m)</td> <td></td> <td>120 ft. (36.6 m)</td> </tr> <tr> <td>16 AWG (1.31 mm²) supply wire</td> <td>50 ft. (15.24 m)</td> <td></td> <td></td> </tr> <tr> <td>14 AWG (2.08 mm²) supply wire</td> <td>80 ft. (24.38 m)</td> <td></td> <td></td> </tr> <tr> <td>12 AWG (3.31 mm²) supply wire</td> <td>120 ft. (36.58 m)</td> <td></td> <td></td> </tr> </tbody> </table> <p>Wiring to be installed in accordance with Article 725 of the National Electric Code (NEC).</p> | Supply Wire Gauge | GEPS12-60, 60U | GEPS12D-60U | GEPS12-180U | 18 AWG (0.82 mm ²) supply wire—9409 | 30 ft. (9.14 m) | | 120 ft. (36.6 m) | 16 AWG (1.31 mm ²) supply wire | 50 ft. (15.24 m) | | | 14 AWG (2.08 mm ²) supply wire | 80 ft. (24.38 m) | | | 12 AWG (3.31 mm ²) supply wire | 120 ft. (36.58 m) | | |
| Supply Wire Gauge | GEPS12-60, 60U | GEPS12D-60U | GEPS12-180U | | | | | | | | | | | | | | | | | | |
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| Module Dimensions | 0.31 x 2.56 x 0.55 in. (8 x 65 x 14 mm) | | | | | | | | | | | | | | | | | | | | |
| Sign Dimensions | For best results, recommended sign depth is 4 inches (102 mm) or greater | | | | | | | | | | | | | | | | | | | | |
| Limited Warranty | GE offers a limited system warranty of up to five (5) years | | | | | | | | | | | | | | | | | | | | |
| System Certifications | UL Recognized #E219167, UL Classified #E229508, CE, C-tick, RoHS, IP66 rated: separate enclosure required, damp location rated | | | | | | | | | | | | | | | | | | | | |



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