

## Components

SKU	Description	Package Quantity	EEC	Energy consumption
GEPM71-W1	Tetra PowerMAX 7100K	100 ft (30.48m)/ box (150 modules)	A++	1.452
GEPM50-W1	Tetra PowerMAX 5000K	100 ft (30.48m)/ box (150 modules)	A++	1.452
GEPM41-W1	Tetra PowerMAX 4100K	100 ft (30.48m)/ box (150 modules)	A++	1.452
GEPM32-W1	Tetra PowerMAX 3200K	100 ft (30.48m)/ box (150 modules)	A++	1.452
GEPM71-2-CS1	Tetra PowerMAX 7100K	100 ft (30.48m)/box (100 modules)	A++	1.452
GEPM50-2-CS1	Tetra PowerMAX 5000K	100 ft (30.48m)/box (100 modules)	A++	1.452
GEPM41-2-CS1	Tetra PowerMAX 4100K	100 ft (30.48m)/box (100 modules)	A++	1.452
GEPM32-2-CS1	Tetra PowerMAX 3200K	100 ft (30.48m)/box (100 modules)	A++	1.452
68347/75514	9409 18 AWG Supply Wire (0.82 mm <sup>2</sup> )	500 ft /spool (152.4 m)		
191600041	22-14 AWG Twist-On Wire Connectors (0.33 - 2.08 mm <sup>2</sup> )	500/ PK		
192160004	18-14 AWG In-line Connectors (IDC) (0.82-2.08 mm <sup>2</sup> )	500/ PK		

## Technical specifications

Color	Wavelength	Typical Brightness (lumens/module)	Typical Brightness (lumens/m)	Energy Consumption (strip/module)	Energy Consumption (system/module)	Power Supply Loading	Viewing Angle
Tetra® PowerMAX	7100K, 5000K, 4100K, 3200K	133, 120, 109	660 (439 - CS1) 594, 541 (395, 360 - CS1)	1.32	1.5	8.48m (42 modules) CS1 - 12.72m (42 modules)	150

Specification Item	Specification															
LEDs/ Module	3															
Module/ft.	1.5 ( 1 CS1)															
Cutting Resolution	Cut on wire between every module															
Power Supply	GEPS12-25U-EU 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	<table border="1"> <thead> <tr> <th>60W, 80W, 100W</th> <th>25W</th> <th>Supply Wire Gauge</th> </tr> </thead> <tbody> <tr> <td>20 ft. (6.1 m)</td> <td>120 ft. (36.6 m)</td> <td>18AWG/0.82mm<sup>2</sup> supply wire - 9409</td> </tr> <tr> <td>30 ft. (9.1 m)</td> <td></td> <td>16AWG/1.31mm<sup>2</sup> supply wire</td> </tr> <tr> <td>50 ft. (15.2 m)</td> <td></td> <td>14AWG/2.08mm<sup>2</sup> supply wire</td> </tr> <tr> <td>86 ft. (26.2 m)</td> <td></td> <td>12AWG/3.31mm<sup>2</sup> supply wire</td> </tr> </tbody> </table> <p>Wiring to be installed in accordance with Article 725 of the National Electric code (NEC).</p>	60W, 80W, 100W	25W	Supply Wire Gauge	20 ft. (6.1 m)	120 ft. (36.6 m)	18AWG/0.82mm <sup>2</sup> supply wire - 9409	30 ft. (9.1 m)		16AWG/1.31mm <sup>2</sup> supply wire	50 ft. (15.2 m)		14AWG/2.08mm <sup>2</sup> supply wire	86 ft. (26.2 m)		12AWG/3.31mm <sup>2</sup> supply wire
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Operating Environment	-40 °C to + 60 °C															
Module Dimensions (h x w x l)	9x22x110mm															
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															
LED Module Certifications	UL Recognized #E219167, UL Classified #E229508 wet location rated, CE & RoHS <b>Tested to IP68*</b>															

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

www.gelighting.com

# Tetra® PowerMAX

## LED Lighting System

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



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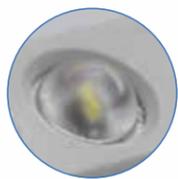
GE Lighting is constantly developing and improving its products. For this reason, all product descriptions in this brochure are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All 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® PowerMAX Data Sheet - September 2015



# Tetra® PowerMAX

## Maximized Output. Minimized Expense.

Created specifically for large channel letters and large cabinet signs at >180mm depth the **Tetra® PowerMAX** LED system delivers incredibly uniform light, installs easily and operates efficiently. The **Tetra® PowerMAX** 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® PowerMAX** features **OptiLens™** a patented technology that captures otherwise wasted light and redirects it towards the illuminated surface with impressive 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® PowerMAX Wet Location Rated

Now there's a PowerMAX solution for **wet locations** where saturation with water or other liquids is likely. Integrating all the same performance features of PowerMAX, the PowerMAX wet rated is **IP68\* tested** 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 13 LED modules in 2 rows to fill a capitol "T" channel letter that's 900 mm high.

**Use one row, not two.** **Tetra® PowerMAX** stretches stroke spacing to an impressive 279 mm in a 127 mm 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.

### Total GE Reliability

To ensure every **Tetra® PowerMAX** 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.