Tetra® PowerMAX

LED Lighting System

Maximized **performance** in *large* channel letters

imagination at work

Tetra® PowerMAX
Maximum Performance Minimizes Costs

Tetra® PowerMAX is the remarkable LED System designed for large 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.

Overmolded design protects components from moisture, damage and corrosion

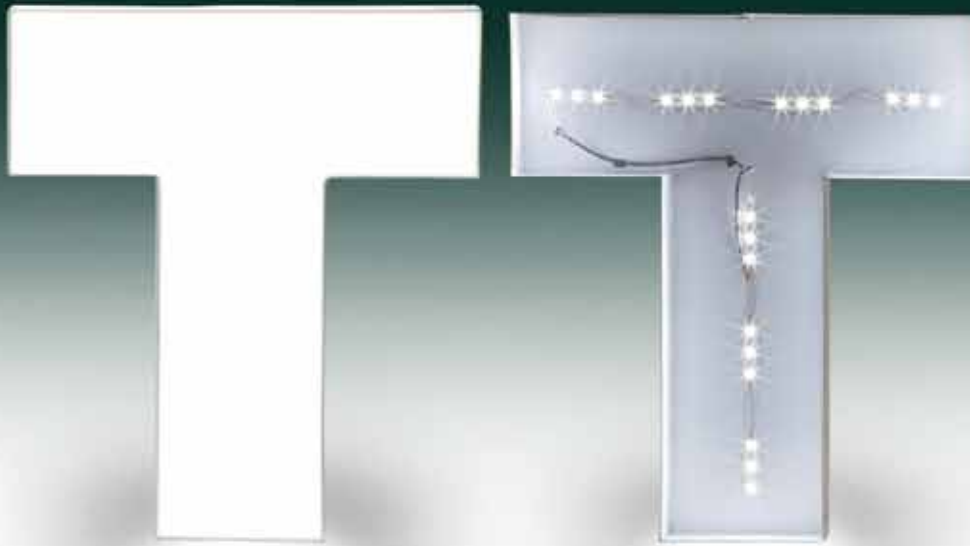**OptiLens**™ creates a wide viewing angle, maximizing light coverage area while protecting the LED

Can cut between any modules

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

Industrial-grade mounting tape for greater installation convenience

Pre-drilled hole makes mounting easy

Wider Stroke Spacing with Exceptional Uniformity

New, super-efficient Tetra PowerMAX 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 PowerMAX in your large channel letters, you enhance your good name as well as theirs.

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 PowerMAX LED lighting system performs brilliantly for years.

Components

SKU	Description	Package Quantity
GEWHPMTL5	Tetra® PowerMAX, 7100K, 5 LEDs/ft (~16 LEDs/m)	100 ft (30.48 m)/box (150 modules)
GEWWPMTL5	Tetra® PowerMAX, 3200K, 5 LEDs/ft (~16 LEDs/m)	100 ft (30.48 m)/box (150 modules)
GEWWPMTL5-50K	Tetra® PowerMAX, 5000K, 5 LEDs/ft (~16 LEDs/m)	100 ft (30.48 m)/box (150 modules)
GEWWPMTL5-41K	Tetra® PowerMAX, 4100K, 5 LEDs/ft (~16 LEDs/m)	100 ft (30.48 m)/box (150 modules)
GEWHPMTL5WD	Tetra® PowerMAX, 7100K, 2 Module Sample	1 sample
GEWWPMTL5WD	Tetra® PowerMAX, 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® PowerMAX White	121	182	7100K	3	1.5	25 ft. (38 modules)	150°
Tetra® PowerMAX Warm White	95	143	3200K	3	1.5	25 ft. (38 modules)	150°

Specification Item	Specification		
Cutting Resolution	Cut between any module		
LED Strip Operating Environment	-40 °C to +60 °C		
Tetra® PowerMAX Energy Consumption	Strip: 1.56 W/module, System: 1.87 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	GEPS12-60, 60U GEPS12D-60U GEPS12-180U	GEPS12-20	Supply Wire Gauge
	30 ft. (9.14 m)	120 ft. (36.6 m)	18 AWG (0.82 mm²) supply wire—9409
	50 ft. (15.24 m)		16 AWG (1.31 mm²) supply wire
	80 ft. (24.38 m)		14 AWG (2.08 mm²) supply wire
	120 ft. (36.58 m)		12 AWG (3.31 mm²) supply wire
	Wiring to be installed in accordance with Article 725 of the National Electric Code (NEC).		
Module Dimensions	0.31 x 3.94 x 0.71 in. (8 x 100 x 18 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		