Tetra® miniMAX
LED Lighting System

Our **brightest** solution for
small channel letters

imagination at work

Tetra® miniMAX
Maximized Output. Minimized Expense.

Tetra® miniMAX—the remarkable LED system designed for small channel letters as shallow as 1.5 inches in depth—is now **10%** brighter than our previous product. It delivers incredibly uniform light, installs easily and operates efficiently. 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.
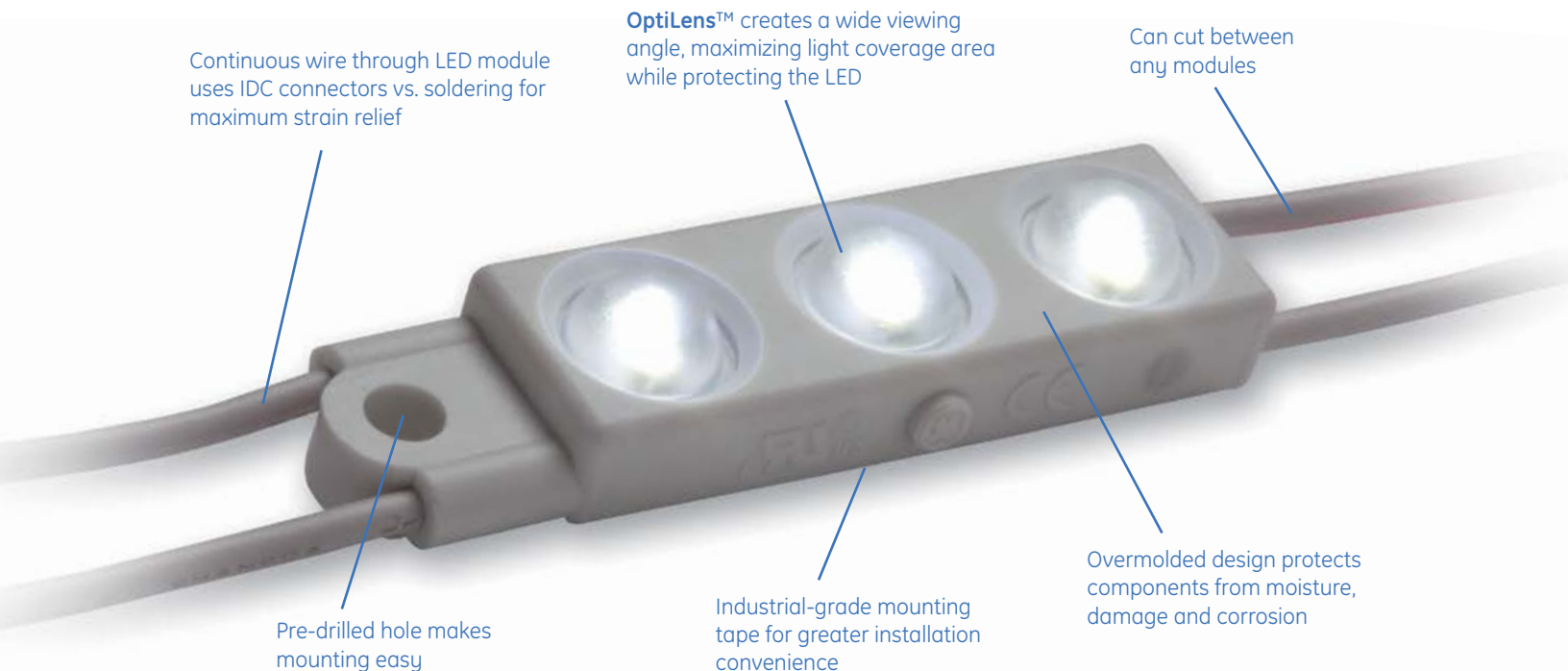
10% Brighter!

Powerful OptiLens™

Tetra miniMAX 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.

13% Greater loading is a competitive advantage

Our system can now operate 68 feet of product per 60W power supply (up from 60 feet in our previous design) for even greater material and installation labor savings.

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

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

Can cut between any modules

Pre-drilled hole makes mounting easy

Industrial-grade mounting tape for greater installation convenience

Overmolded design protects components from moisture, damage and corrosion

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 2 feet high.

Improved **Tetra miniMAX**, requires just 7 LED modules to fill the exact same letter (giving up some brightness) while providing outstanding uniformity. That's **46%** **fewer modules.**

Use one row, not two. **Tetra miniMAX** stretches stroke spacing to an impressive 7 inches in a 3-inch 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 miniMAX** installation will operate brilliantly for years, we perform the most extensive, stringent testing in the industry. Rather than rely solely on test data from LED suppliers, we test the LED, 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.

Components

SKU	Description	Package Quantity
GEMM71-2	Tetra® miniMAX White 7100K	100 ft (30.48 m)/box (250 modules)
GEMM50-2	Tetra® miniMAX Warm White 5000K	100 ft (30.48 m)/box (250 modules)
GEMM41-2	Tetra® miniMAX Warm White 4100K	100 ft (30.48 m)/box (250 modules)
GEMM32-2	Tetra® miniMAX Warm White 3200K	100 ft (30.48 m)/box (250 modules)
GEMMRD-1	Tetra® miniMAX Red	100 ft (30.48 m)/box (250 modules)
GEMMBL-1	Tetra® miniMAX Blue	100 ft (30.48 m)/box (250 modules)
GEMMGL-1	Tetra® miniMAX Green	100 ft (30.48 m)/box (250 modules)
GEMMPO-1	Tetra® miniMAX Orange	100 ft (30.48 m)/box (250 modules)
9409	18 AWG Supply Wire (0.82 mm^2)	500 ft /spool (152.4 m)
191600041	22-14 AWG Twist-On Wire Connectors (0.33 - 2.08 mm^2)	500/ PK
192160004	18-14 AWG In-line Connectors (IDC) (0.82-2.08 mm^2)	500/ PK

Technical Specifications

Color	Wavelength	Typical Brightness (lumens/module)	Typical Brightness (lumens/ft.)	Energy Consumption (Strip/Module)	Energy Consumption (System/Module)	Power Supply Loading	Viewing Angle
Tetra miniMAX White	7100K, 5000K	36	90	0.32	0.38	68ft (170 modules)	150
Tetra miniMAX Warm White	4100K, 3200K	34, 30	85, 75	0.32	0.38	68ft (170 modules)	150
Tetra miniMAX Red	625nm	11	27	0.39	0.47	60ft. (150 modules)	150
Tetra miniMAX Blue	467nm	8	19	0.39	0.47	60ft. (150 modules)	150
Tetra miniMAX Green	530nm	24	60	0.39	0.47	60ft. (150 modules)	150
Tetra miniMAX Orange	606nm	19	48	0.48	0.59	60ft. (150 modules)	150

Specification Item	Specification		
LEDs/ Module	3		
Module/ft.	2.5		
Cutting Resolution	Cut on wire between every module		
Power Supply	GEPS12-20 Input: 90-264VAC; Output: 12VDC		
	GEPS12-60-NA Input: 108-305VAC; Output: 12VDC		
	GEPS12-60-GL Input: 108-305VAC; Output: 12VDC		
	GEPS12W-60 Input: 90-264VAC; Output: 12VDC		
	GEPS12D-60U Input: 90-305VAC; Output: 12VDC		
Maximum Supply Wire Limits	**60W,80W, 100W,180W**	**20W**	**Supply Wire Gauge**
	20 ft. (6.1 m)	120 ft. (36.6 m)	18AWG/0.82mm^2 supply wire - 9409
	25 ft. (7.6 m)		16AWG/1.31mm^2 supply wire
	35 ft. (10.6 m)		14AWG/2.08mm^2 supply wire
	40 ft. (12.1 m)		12AWG/3.31mm^2 supply wire
	Wiring to be installed in accordance with Article 725 of the National Electric code (NEC).		
Operating Environment	-40 °C to + 60 °C		
Module Dimensions (h x l x w)	0.31 x 1.89 x 0.47 in (8 x 48 x 12 mm)		
Sign Dimensions	For best results, recommended sign depth is 1.5 inches (38mm) or greater		
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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