

# Tetra® miniMAX

## LED Lighting System

With all new **OptiLens™ X** and groundbreaking energy efficiency

**Tetra® miniMAX**—the **24V** remarkable LED system designed for small channel letters as shallow as 1.5 inches in depth delivers incredibly uniform light, installs easily and operates efficiently. The **Tetra® miniMAX** is now IP66 and UL wet rated which makes it more robust and reliable even under wet weather.



### Powerful all new **OptiLens™ X**

**Tetra® miniMAX** features all new **OptiLens™ X** a **new** patented technology that allows for an incredible **175°** viewing angle. The all **new Tetra® miniMAX** is your best option to significantly reduce energy and maintenance costs.

### Power Supply Loading

The **new 24V Tetra® miniMAX** loading improves 38% from the previous 12V generation. Now load up to 110 feet (33.5 m) or 220 modules of product per GEPS24-100U-NA power supply.

### Improved stroke spacing/ New Flow Channels

The **new 24V Tetra® miniMAX** stroke spacing has improved on average by 37% (Depth/Stroke Spacing 3"/10", 4"/14", 5"/17"), requiring less product, thanks to the **new OptiLens™ X** wide beam angle. In addition, its new silicone flow channels have increased bonding strength by 10-20%.

### Tetra® miniMAX Features

- Wide 175° beam angle
- Improved luminous intensity
- Efficacy: 157 lm/W
- 24 Volt DC, Class 2 (UL), Class III (IEC)
- UL Wet Rated & IP66- no separate enclosure is required
- 5 years limited Warranty

	Can Depth	Coverage
Small	3-4" (76-102mm)	10" (254.0mm)
	4-5" (102-127mm)	14" (355.6mm)
Medium	5-6" (127-152mm)	17" (431.8mm)

### Total GE Reliability

To ensure every Tetra® miniMAX installation will operate brilliantly for years, we perform the most extensive, stringent testing in the industry. 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.

## Components

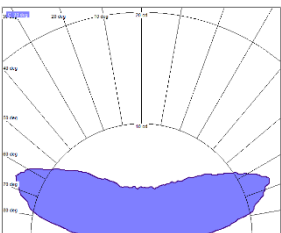
SKU	Description	Details	Color	Pkg Quantity	Additional Information
93053666	GEMM2471-W1	Tetra® miniMAX 24V 7100K	White	5 Strips/Box	40 modules per strip
93053667	GEMM2450-W1	Tetra® miniMAX 24V 5000K	Warm White	5 Strips/Box	40 modules per strip
93053668	GEMM2441-W1	Tetra® miniMAX 24V 4100K	Warm White	5 Strips/Box	40 modules per strip
93053669	GEMM2432-W1	Tetra® miniMAX 24V 3200K	Warm White	5 Strips/Box	40 modules per strip

## Technical Specifications

Description	Wavelength/ CCT	Typical Brightness (Lumens/module)	Typical Brightness Lumen/ft (Lumen/m)	Energy Consumption (Strip/Module)	Energy Consumption (System/Module)	Power Supply Loading	Viewing Angle
GEMM2471-W1	7100K	55	110 (361)	0.35w/module	0.41w/module	110 ft (33.5 m) /100WPS	175
GEMM2450-W1	5000K	55	110 (361)	0.35w/module	0.41w/module	110 ft (33.5 m) /100WPS	175
GEMM2441-W1	4100K	55	110 (361)	0.35w/module	0.41w/module	110 ft (33.5 m) /100WPS	175
GEMM2432-W1	3200K	50	100 (328)	0.35w/module	0.41w/module	110 ft (33.5 m) /100WPS	175

Specification Item	Specification																														
LEDs/Module	4																														
LEDs/ft (LEDs/m)	8 (26)																														
Modules/ ft. (Modules/m)	2 (6.6)																														
Cutting Resolution	Cut on wire between every module																														
Power Supply	GEPS24-25-NA Input: 100-305VAC; Output: 24VDC GEPS24D-80U Input: 90-305VAC; Output: 24VDC GEPS24-100U Input: 108-305VAC; Output: 24VDC GEPS24-180U Input: 90-305VAC; Output: 24VDC GEPS24-300U Input: 108-305VAC; Output: 24VDC																														
Maximum Supply Wire Limits	<table border="1"> <thead> <tr> <th></th> <th>18 AWG/0.82 mm<sup>2</sup> Supply Wire</th> <th>16 AWG/1.31 mm<sup>2</sup> Supply Wire</th> <th>14 AWG/2.08 mm<sup>2</sup> Supply Wire</th> <th>12 AWG/3.31 mm<sup>2</sup> Supply Wire</th> </tr> </thead> <tbody> <tr> <td>25W Power Supply</td> <td>120 ft./36.6 m</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>80W Power Supply</td> <td>20 ft./6.1 m</td> <td>25 ft./7.6 m</td> <td>35 ft./10.6 m</td> <td>40 ft./12.1 m</td> </tr> <tr> <td>100W Power Supply</td> <td>20 ft./6.1 m</td> <td>25 ft./7.6 m</td> <td>35 ft./10.6 m</td> <td>40 ft./12.1 m</td> </tr> <tr> <td>180W Power Supply</td> <td>20 ft./6.1 m</td> <td>25 ft./7.6 m</td> <td>35 ft./10.6 m</td> <td>40 ft./12.1 m</td> </tr> <tr> <td>300W Power Supply</td> <td>20 ft./6.1 m</td> <td>25 ft./7.6 m</td> <td>35 ft./10.6 m</td> <td>40 ft./12.1 m</td> </tr> </tbody> </table>		18 AWG/0.82 mm <sup>2</sup> Supply Wire	16 AWG/1.31 mm <sup>2</sup> Supply Wire	14 AWG/2.08 mm <sup>2</sup> Supply Wire	12 AWG/3.31 mm <sup>2</sup> Supply Wire	25W Power Supply	120 ft./36.6 m	-	-	-	80W Power Supply	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m	100W Power Supply	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m	180W Power Supply	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m	300W Power Supply	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m
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Operating Environment	-40 °C to +60 °C																														
Module Dimensions (h x l x w) mm	10.46 x 61 x 13.6																														
Warranty	GE offers a limited system warranty of up to five (5) years																														
System Certifications	UL Recognized (C-US) #E219167, UL Classified (C-US) #E229508, CE, ROHS IP66 rated: for dry, damp or wet location.																														

## Viewing Angle



## Mechanical Outline

