

# Tetra® MAX

## LED Lighting System

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

**Tetra® MAX white** -the remarkable **24V** LED system designed for medium & large channel letters as shallow as 4 inches in depth delivers incredibly uniform light, installs easily and operates efficiently. **Tetra® MAX** is now IP66 and UL wet rated which makes it more robust and reliable, even under wet weather.



### Powerful all new **OptiLens™ X**

**Tetra® MAX** features all new **OptiLens™ X** a *new* patented technology that allows for an incredible **170°** viewing angle. The all *new* **Tetra® MAX** is your best option to significantly reduce energy and maintenance costs.

### Power Supply Loading

The *new* **24V Tetra® MAX white** loading improves 45% from the previous 12V generation. Now load up to 87 feet (26.5 m) or 130 modules of product per GEPS24-100U-NA power supply.

### Improved stroke spacing

The *new* **24V Tetra® MAX** stroke spacing has improved on average by 37%, thanks to the *new* **OptiLens™ X** wide beam angle.

### Tetra MAX Features

- Wide 170° beam angle
- Improved luminous intensity
- Efficacy: 161 lm/W for the whites
- 24 Volt DC, Class 2 (UL), Class III (IEC)
- UL Wet Rated & IP66- no separate enclosure is required
- 5 years limited Warranty

	TETRA MAX	
	Can Depth	Coverage
Medium	4-5" (102-127mm)	8-11" (203-279mm)
	5-6" (127-152mm)	12-15" (304-381mm)
Large	≥ 6" (152mm)	17-20" (431-508mm)

### Total GE Reliability

To ensure every Tetra® MAX 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	Order unit	Pkg Quantity	Additional Information
93053670	GEMX2471-W1	Tetra® MAX 24V 7100K	White	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93055671	GEMX2450-W1	Tetra® MAX 24V 5000K	Warm White	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93053672	GEMX2441-W1	Tetra® MAX 24V 4100K	Warm White	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93053673	GEMX2432-W1	Tetra® MAX 24V 3200K	Warm White	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93069935	GEMX24RD-W1	Tetra® MAX colors 24V – 625 nm	Red	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93070026	GEMXH24RD-W1	Tetra® MAX colors 24V HO – 625 nm	Red	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93070027	GEMX24GL-W1	Tetra® MAX colors 24V – 530 nm	Green	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93070028	GEMX24BL-W1	Tetra® MAX colors 24V – 470 nm	Blue	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93070029	GEMX24YG-W1	Tetra® MAX colors 24V – 589 nm	Amber	Box	5 Strips/Box	30 modules/strip (20 ft/strip)

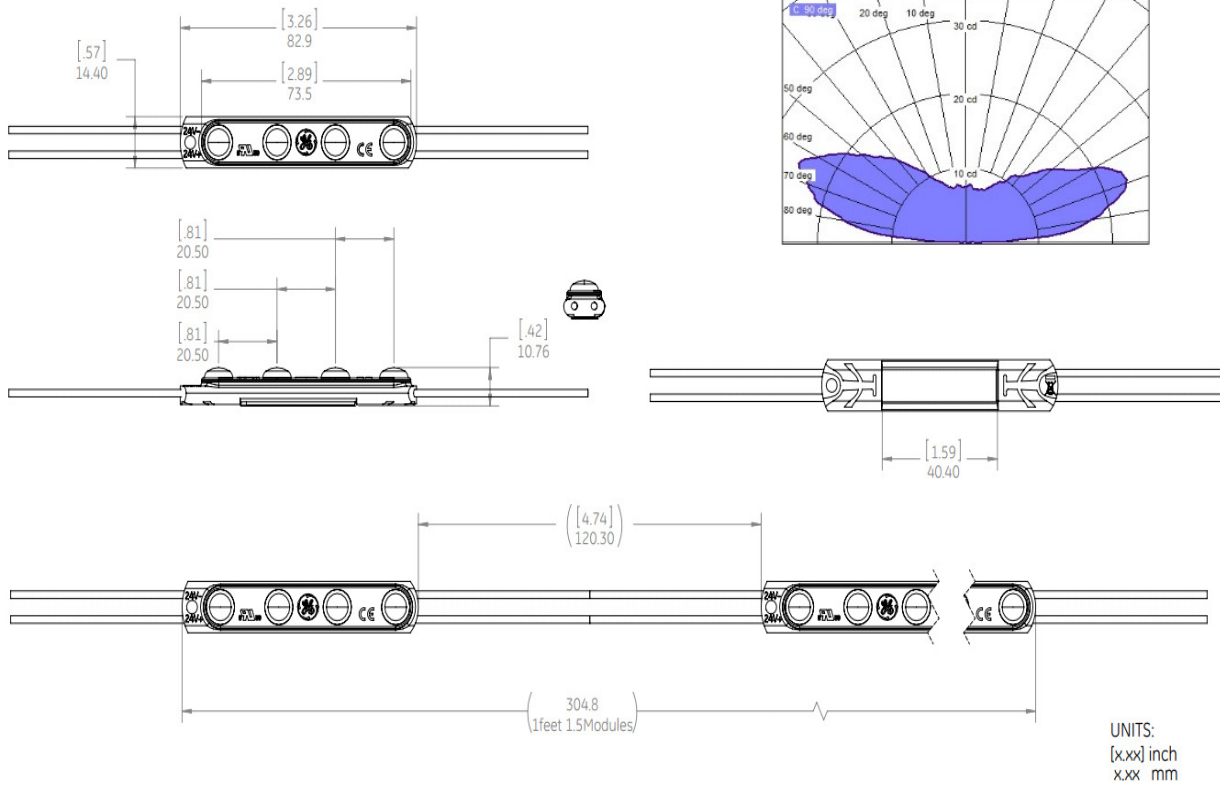
## Technical Specifications

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
GEMX2471-W1	7100K	100	150 (492)	0.62 W/module	0.73 W/module	87 ft (26.5 m) /100WPS	170
GEMX2450-W1	5000K	100	150 (492)	0.62 W/module	0.73 W/module	87 ft (26.5 m) /100WPS	170
GEMX2441-W1	4100K	100	150 (492)	0.62 W/module	0.73 W/module	87 ft (26.5 m) /100WPS	170
GEMX2432-W1	3200K	90	135 (443)	0.62 W/module	0.73 W/module	87 ft (26.5 m) /100WPS	170
GEMX24RD-W1	625nm	20	30 (98)	0.46 W/module	0.54 W/module	120 ft (36.5 m) /100WPS	170
GEMXH24RD-W1	625nm	32	48 (158)	0.74 W/module	0.87 W/module	73 ft (22.3 m) /100WPS	170
GEMX24GL-W1	530nm	44	66 (217)	0.77 W/module	0.91 W/module	71 ft (21.7 m) /100WPS	170
GEMX24BL-W1	470nm	15	23 (74)	0.70 W/module	0.82 W/module	79 ft (23.9 m) /100WPS	170
GEMX24YG-W1	589nm	14	23 (74)	0.38 W/module	0.45 W/module	140 ft (42.6 m) /100WPS	170

Specification Item	Specification				
	Whites	Colors			
LEDs/Module	4	2			
LEDs/ft (LEDs/m)	6 (19.7)	3 (9.8)			
Modules/ ft. (Modules/m)	1.5 (4.9)	1.5 (4.9)			
Module Dimensions (h x l x w)	0.42 in x 3.26 in x 0.57 in (10.76 mm x 82.9 mm x 14.4 mm)		0.45 in x 3.45 in x 0.63 in (11.41 mm x 87.6 mm x 16.1 mm)		
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		<b>18 AWG/0.82 mm<sup>2</sup></b>	<b>16 AWG/1.31 mm<sup>2</sup></b>	<b>14 AWG/2.08 mm<sup>2</sup></b>	<b>12 AWG/3.31 mm<sup>2</sup></b>
		<b>Supply Wire</b>	<b>Supply Wire</b>	<b>Supply Wire</b>	<b>Supply Wire</b>
	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	
Operating Environment	-40 °C to +60 °C				
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.				

## Mechanical Outline & Viewing Angle

### Tetra MAX 24V whites



### Tetra MAX 24V colors

