

# OMEGA MAX

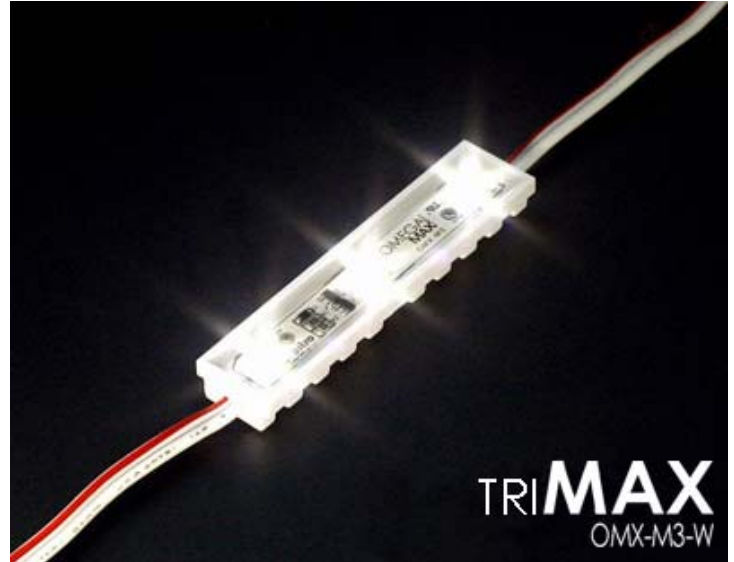
CHANNEL LETTER LIGHTING SERIES  
by BITRO GROUP

## CHANNEL LETTER LIGHTING SOLUTION

**B**itro's OMEGA MAX LED module series for channel letters bring together quality illumination, reliability, and convenience in one complete package under one roof.

Based on the latest and brightest LED technology in the market, OMEGA MAX LED modules are energy efficient, long lasting and easy to use, designed for use in all types of channel letter applications in indoors and outdoors applications.

Also packed with tons of energy-saving, safety, and convenience features, there is NO NEED to look further! Bitro's OMEGA MAX series is your complete LED solution for all your channel letter applications.



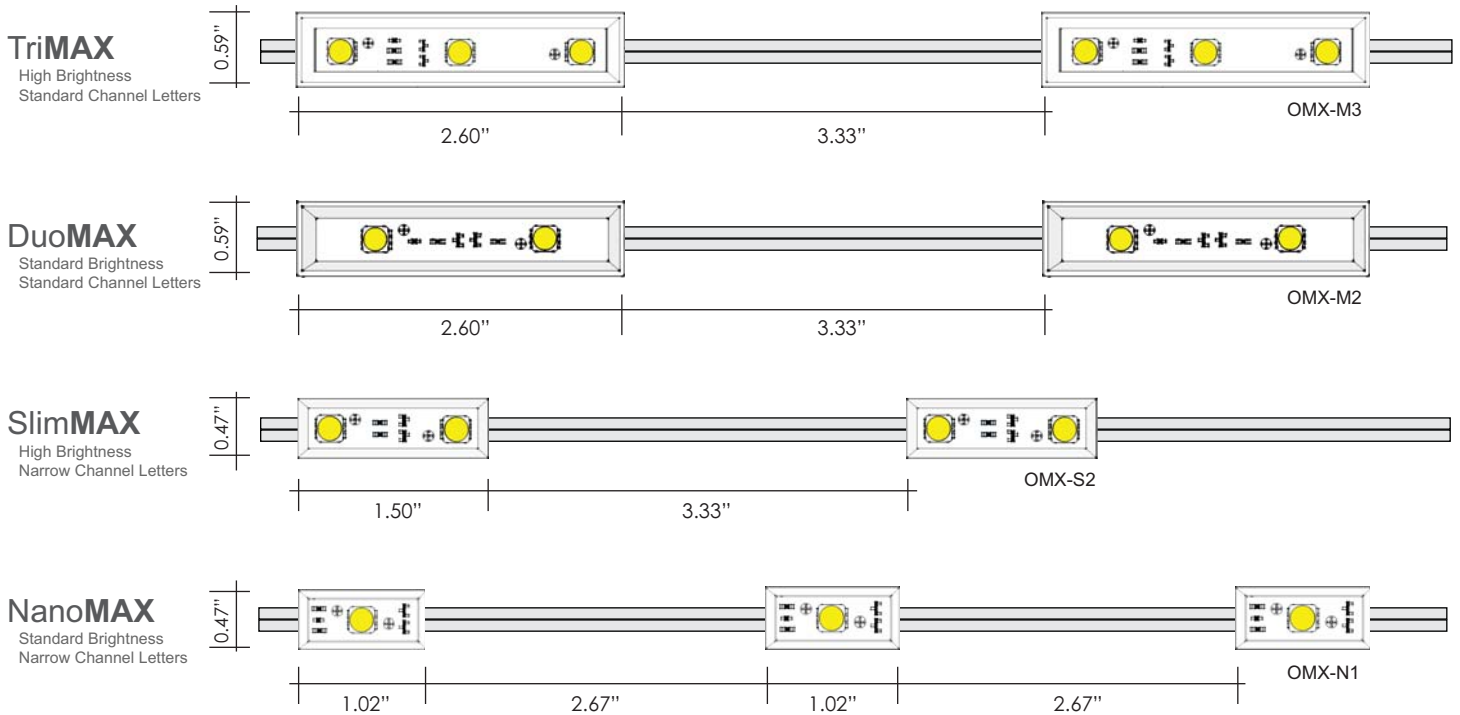
## FEATURES

- \* Practical, convenient, and bright illumination solution for all types of channel letter applications.
- \* Available in a variety of modules for fitting into variety of channel letters.
- \* Reliable, long lasting, and uniform illumination with constant current technology.
- \* Bright 3-chip LEDs with strictest RANK control.
- \* Double-sided PCB printing for additional thermal management.
- \* Slim & light-weight design.
- \* IP68 fully waterproof design for wet & damp location applications.
- \* 5 Year Limited Exchange Warranty.

## APPLICATION EXAMPLES



# MODULE DIMENSIONS



## OMEGA MAX SPECIFICATIONS

Series Name	OMEGA MAX SERIES			
Model	OMX-M3	OMX-M2	OMX-S2	OMX-N1
Model Name	OMEGA TriMAX	OMEGA DuoMAX	OMEGA SlimMAX	OMEGA NanoMAX
Intended Applications	Standard Channel Letters, High Brightness	Standard Channel Letters, Standard Brightness	Narrow Channel Letters, High Brightness	Narrow Channel Letters, Standard Brightness
Available Colors	Pure White, Soft White, Warm White, Red, Green, Blue, Amber			
Dimensions (LxWxH)	2.60" x 0.59" x 0.28"		1.50" x 0.47" x 0.28"	1.02" x 0.47" x 0.28"
# LED Bulbs / Module	3x hi-brightness lamps	2x hi-brightness lamps	2x hi-brightness lamps	1x hi-brightness lamps
# Modules per ft	2	2	3	4
Power	Per Module	0.69W	0.46W	0.46W
Consumption	Per Foot	1.38W	0.92W	1.38W
*Modules per 60W power supply	74 modules	110 modules	111 modules	220 modules
**Lumen per Module	47.5	30.3	30.3	15.2
**Lumen per Foot	90.9	60.6	90.9	60.6
**Lumen Efficacy(Lm/w)	66.30 Lumens / watt			
Input Voltage	12V DC			
Viewing Angle	120°			
Operating Temperature	-30°C ~ 70°C / -22°F ~ 158°F			
Housing	ABS styrene copolymer			
Wire	AWG18, 1007			
Waterproof Rating	IP68: dry, damp, and wet locations			
Application Method	Double-sided tape			
Warranty	5-Year Limited Warranty			
Certifications	UL Recognized (SAM) for US & Canada, CE			

\*At 85% load capacity under <113 °F Operating Temperature using a standard 60W LED power supply.

\*\* Brightness data based on 8500K, Pure White. Official LM-79 report available upon request.



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