



# OmegaOPTICS (OTS)

## OpticsPRIME (OTSR)

Channel Letter & Sign Cabinet Lighting



OpticsPRIME Bright White (OTSR-M3-BW)

### overview

OpticsPRIME (OTSR) is Bitro's latest addition to the premium channel letter lighting product series. As the flagship product of the OmegaOPTICS (OTS) lens-enhanced series, OpticsPRIME is designed with high quality components and remarkably effective optics construction, to allow for outstanding light distribution and uniform illumination. Complete potting of the modules with industry leading flexible silicone resin provides for an excellent IP68 rating and added thermal dissipation.

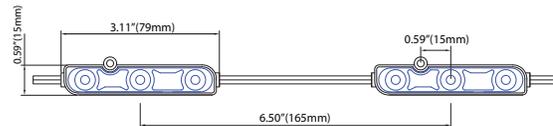
OpticsPRIME is available in three color temperatures and backed by 5-year warranty.

models	description
OTSR-M3	"OpticsPRIME". Medium Body, 3-bulb Module

### features

- Superior brightness and 160° degree beam angle of light filling illumination
- Engineered with the Top Tier LED chips and equipped with Bitro's Constant Current Technology
- High quality parts and reliable manufacturing for an excellent performance
- Designed for uniform illumination with durable, dependable and long-lasting construction
- Bitro's thru-wire interconnect technology for minimum voltage drop and maximum efficiency
- IP68 weatherproof construction using advanced silicone potting
- Backed by 5-year warranty

### models & dimension



3-bulb, medium body, 2 modules per foot  
252 lm/ft, max load: 22.5 ft on ASU-60-12U



Constant Current Technology

IP68

5-YEAR WARRANTY





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### specifications

Item	Series Name	OmegaOPTICS (OTS) Series
Model	Model Name	<b>OpticsPRIME (OTSR)</b>
	Model #	<b>OTSR-M3</b>
	Intended Applications	Std Channel Letters, Sign Cabinets
	Physical Dimensions	3.11" x 0.59" x 0.47" (79mm x 15mm x 12mm)
Applications	# LED Bulbs / Module	3 lamps
	# Modules per ft	2 mods/ft
	* Lumen per Foot	252 lm/ft
Electrical	* Lumen per Module	126 lm/mod
	Power Consumption	Per Module: 1.20 w/mod Per Foot: 2.40 w/ft
	Recommended LED Power Supply	Alpha Slimline 12V-60W Class 2 Power Supply (ASU-60-12U)
	# Modules per ASU-60-12U (60W-12V)	45 mods
	Linear footage per ASU-60-12U (60W-12V)	22.5 linear ft
	* Lumen Efficacy(Lm/w)	105 lm/w
Colors, SKUs	Color	<b>SKUs</b>
	Bright White	6500K OTSR-M3-BW65
	Day White	5000K OTSR-M3-DW50
	Warm White	3000K OTSR-M3-WW30
Common Specs	Input Voltage	12VDC
	Viewing Angle	160°
	Operating Temperature	-30°C ~ 70°C / -22°F ~ 158°F
	Housing	ABS styrene copolymer, Polycarbonate Optics
	Wire	AWG18, 1007, UL Approved
	Waterproof Rating	IP68. UL approved for Dry, Damp, and Wet locations
	Application Method	Double-sided tape Mounting Hole for Mechanical Fastening
	Warranty	5-Year Warranty
	Certifications	UL Recognized (SAM) for US & Canada, CE, CSA
	UL File # Model #	E341583, BT-OTS "Channel Letter Modules"

revised: 03/10/15

### layout service

Please email [estimate@bitrogroup.com](mailto:estimate@bitrogroup.com)  
For prompt layout services, provided scaled & detail drawings.

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