



# OmegaOPTICS (OTS)

## OpticsPRIME (OTSR)

### Channel Letter & Sign Cabinet Lighting

**bitro**  
Your Technology Partner



OpticsPRIME Bright White (OTSR-M3-BW)

#### 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

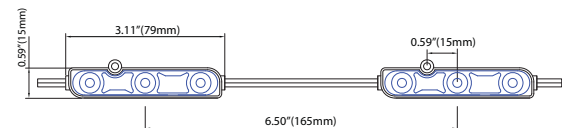
#### overview

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

#### 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**

**RoHS  
COMPLIANT**



# OmegaOPTICS (OTS)

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### Channel Letter & Sign Cabinet Lighting



#### 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)
	# LED Bulbs / Module		3 lamps
Applications	# Modules per ft		2 mods/ft
	* Lumen per Foot		252 lm/ft
	* Lumen per Module		126 lm/mod
Electrical	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	Color Specs	<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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