



# OpticsPRO X (XPRO)

## OpticsPRO X Color Series

Channel Letter & Sign Cabinet Lighting



OpticsPRO X Red (XPRO-M3-R)

### overview

OpticsPRO X Color series is one of the Bitro's premium channel lighting product that is affordable yet still powerful optical lens technology for true wide beam spread to reduce both labor and material cost without sacrificing uniform illumination and brightness intensity.

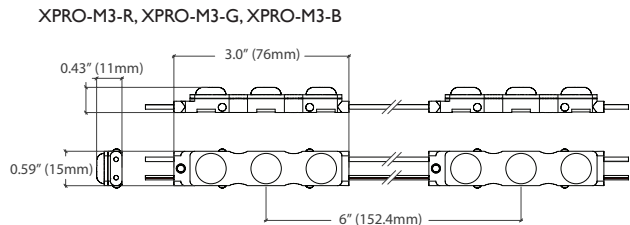
The lens also performs as a protective cover for its excellent waterproofing and dust-free design.

models	description
XPRO-M3-R	"OpticsPRO X Red". Medium Body, 3-bulb Module
XPRO-M3-G	"OpticsPRO X Green". Medium Body, 3-bulb Module
XPRO-M3-B	"OpticsPRO X Blue". Medium Body, 3-bulb Module

### features

- New easy-peel double-sided tape
- Superior brightness with new and improved optics using a 165 degree beam angle
- Flexible wires allowing easier handling and wire management
- Engineered with the Top Tier LED chips and equipped with Bitro's Constant Current Technology
- High quality parts and reliable manufacturing for excellent performance
- Designed for uniform illumination with durable, dependable and long-lasting construction
- Engineered for maximum efficiency and minimum voltage drop
- Backed by 7/5-year limited warranty (Product/Labor)

### models & dimension



3-bulb, medium body, 2 modules per foot  
max load: 37 ft on ASU-60-12U



Constant Current Technology

IP68

7/5-YEAR LIMITED WARRANTY PRODUCT/LABOR



LM80





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#### specifications

Item	Series Name	OpticsPRO X (XPRO) Series		
Model	Model Name	<b>OpticsPRO X Red</b>	<b>OpticsPRO X Green</b>	<b>OpticsPRO X Blue</b>
	Model #	<b>XPRO-M3-R</b>	<b>XPRO-M3-G</b>	<b>XPRO-M3-B</b>
	Intended Applications	Std Channel Letters, Sign Cabinets		
	Physical Dimensions	3.00" x 0.59" x 0.43" (76mm x 15mm x 11mm)		
	# LED Bulbs / Module	3 lamps		
Applications	# Modules per ft	2 mods/ft		
Electrical	Power Consumption	Per Module	0.72 w/mod	
		Per Foot	1.44 w/ft	
	Recommended LED Power Supply	Alpha Slimline 12V-60W Class 2 Power Supply (ASU-60-12U)		
	# Modules per ASU-60-12U (60W-12V)	74 mods		
	Linear footage per ASU-60-12U (60W-12V)	37 linear ft		
Common Specs	Input Voltage	12VDC		
	Viewing Angle	165°		
	Operating Temperature	-25°C ~ 60°C / -13°F ~ 140°F		
	Housing	ABS styrene copolymer; Polycarbonate Optics		
	Wire	18AWG, 1007, UL Approved		
	Waterproof Rating	IP68. UL approved for Dry and Damp locations		
	Application Method	Easy double-sided tape, Mounting Hole for Mechanical Fastening		
	Warranty	7/5-Year Limited Warranty (Product Labor)		
	Certifications	UL Recognized (SAM) for US & Canada, CE, CSA		
	UL File # / Ref. #	BT-CLM "Channel Letter Modules" E341583 for cRUus, E487861 for Retrofit UL		
	CSA File # / Ref. #	258485, "BT-CLM"		
	CE Ref. #	"BT-CLM"		

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#### layout service

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

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