PRISM SYNERGY MODS 24 VDC

High-performance 24V LED channel letter illumination

Specifications

Dimensions L × W × H ..... Micro .....1.02" × 0.35" × 0.37"
Mini .....2.05" × 0.73" × 0.38"
Spec .....3.78" × 0.73" × 0.38"
HO, Deep .....4.25" × 0.73" × 0.38"

Beam angle ..... Micro, Mini, Spec, HO .....170°
Deep .....140°

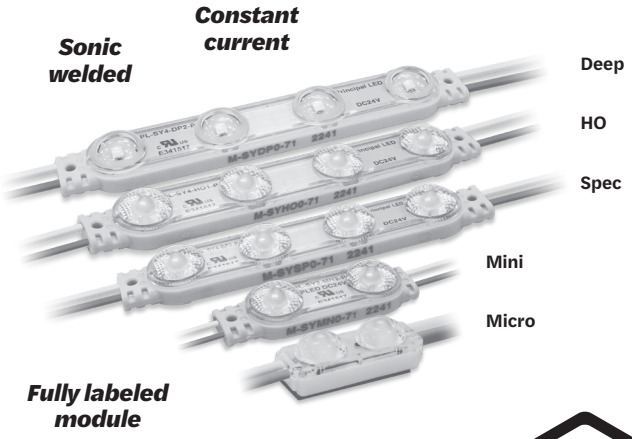
Mounting options ..... Mico .....Peel-N-Stick
Mini, Spec, HO, Deep .....Peel-N-Stick and mechanical

Operating temp. .....-40° C to +70° C

Environment IP67

Wire color .....White (+) / Gray (-)

Warranty .....Life of Sign Warranty/10-year Limited Labor



Whites

Product	Mods per ft	Color temperature	SKU	Power	Intensity	Efficacy	Packaging	Max. mods per 96 W power supply	UL number
Prism Synergy Micro	6	7100 K	M-SYMC0-71	0.286 W /mod	46.7 lm/mod (280 lm/ft)	163 lm/W	Mods per bag: 300 Mods per strand: 60 Strands per bag: 5 Bags per case: 16 Mods per case: 4800	335 (55 ft)	PL-SY2-MC7-P
		6500 K	M-SYMC0-65						
		5000 K	M-SYMC0-50						
		4100 K	M-SYMC0-41						
		3000 K	M-SYMC0-30						
Prism Synergy Mini	1.8	7100 K	M-SYMN0-71	0.461 W /mod	72.0 lm/mod (130 lm/ft)	156 lm/W	Mods per bag: 200 Mods per strand: 50 Strands per bag: 4 Bags per case: 8 Mods per case: 1600	208 (115 ft)	PL-SY2-MN2-P
		6500 K	M-SYMN0-65						
		5000 K	M-SYMN0-50						
		4100 K	M-SYMN0-41						
		3000 K	M-SYMN0-30						
Prism Synergy Spec	1.3	7100 K	M-SYSP0-71	0.888 W /mod	138.4 lm/mod (180 lm/ft)	156 lm/W	Mods per bag: 100 Mods per strand: 50 Strands per bag: 2 Bags per case: 10 Mods per case: 1000	108 (83 ft)	PL-SY4-SP2-P
		6500 K	M-SYSP0-65						
		5000 K	M-SYSP0-50						
		4100 K	M-SYSP0-41						
		3000 K	M-SYSP0-30						
Prism Synergy HO	1.2	7100 K	M-SYHO0-71	1.330 W /mod	208.5 lm/mod (250 lm/ft)	157 lm/W	Mods per bag: 72 Mods per strand: 36 Strands per bag: 2 Bags per case: 13 Mods per case: 936	72 (60 ft)	PL-SY4-HO1-P
		6500 K	M-SYHO0-65						
		5000 K	M-SYHO0-50						
		4100 K	M-SYHO0-41						
		3000 K	M-SYHO0-30						
Prism Synergy Deep	1.8	7100 K	M-SYDP0-71	1.330 W /mod	208.5 lm/mod (375 lm/ft)	157 lm/W	Mods per bag: 72 Mods per strand: 36 Strands per bag: 2 Bags per case: 15 Mods per case: 1080	72 (40 ft)	PL-SY4-DP2-P
		6500 K	M-SYDP0-65						
		5000 K	M-SYDP0-50						
		4100 K	M-SYDP0-41						
		3000 K	M-SYDP0-30						

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Specifications subject to change without notice.

PRINCIPAL SLOAN
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High-performance 24V LED channel letter illumination

Specifications (cont.)

Colors

Product	Mods /ft	Color temperature	SKU	Power	Intensity	Efficacy	Packaging	Max. mods per 96 W power supply	UL number
Prism Synergy Mini	1.8	Red	M-SYMNO-RD	0.461 W /mod	16.3 lm/mod (29 lm/ft)	35 lm/W	Mods per bag: 200 Mods per strand: 50 Strands per bag: 4 Bags per case: 8 Mods per case: 1600	208 (115 ft)	PL-SY2-MN2-P
		Orange*	M-SYMNO-OR		21.0 lm/mod (37.8 lm/ft)	44 lm/W			
		Yellow*	M-SYMNO-YL		17.0 lm/mod (30.6 lm/ft)	35 lm/W			
		Green	M-SYMNO-GR		43.9 lm/mod (79 lm/ft)	95 lm/W			
		Blue	M-SYMNO-BL		9.8 lm/mod (18 lm/ft)	21 lm/W			
Prism Synergy Spec	1.3	Red	M-SYSPO-RD	0.888 W /mod	20.4 lm/mod (26 lm/ft)	23 lm/W	Mods per bag: 100 Mods per strand: 50 Strands per bag: 2 Bags per case: 10 Mods per case: 1000	108 (83 ft)	PL-SY4-SP2-P
		Orange*	M-SYSPO-OR		51.0 lm/mod (66.3 lm/ft)	59 lm/W			
		Yellow*	M-SYSPO-YL		33.0 lm/mod (42.9 lm/ft)	37 lm/W			
		Green	M-SYSPO-GR		54.9 lm/mod (71 lm/ft)	62 lm/W			
		Blue	M-SYSPO-BL		11.9 lm/mod (15 lm/ft)	13 lm/W			

* Limited quantity on hand.

Recommended Coverage Charts

Channel Letters

Model	Depth	Mods/ft	Single stroke width	Multi-row on-center spacing
Prism Synergy Micro	1"	6	2.5"	1.5"
	2"		3"	2.5"
	3"		6"	5"
	4"			6"
Prism Synergy Mini	2"	2.5	6"	5"
	3"	2	9"	8"
	4"		12"	11"
	5"	2	15"	14"
Prism Synergy Spec	4"	1.5	13"	12"
	5"	1.3	17"	16"
	6"			
Prism Synergy HO	6"	1.2	16"	14"
	7"		17"	16"
	8"		18"	17"
Prism Synergy Deep	8"	2	17"	17"
	9"		18"	
	10"		20"	18"

Cabinets

Product	Depth from stik to face	Estimated spacing between stiks
Prism Synergy HO	8 - 14"	12"
	14 - 16"	16"
	16 - 18"	24"
	>18"	Use two banks of single-sided
Prism Synergy Deep	10 - 14"	12"
	14 - 18"	16"
	18 - 20"	24"
	>20"	Use two banks of single-sided

Product and depth may vary depending on face material and desired brightness.
All spacing guidelines in this chart were done using 7328 White Acrylic faces. Other materials, thicknesses, and color can affect these guidelines in your sign. To ensure accuracy, it is recommended that you test the product in your specific application in a dark setting prior to installation. If you have concerns or questions about the materials you are using for your application please contact us for assistance.

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