PRISM²⁴

24 VDC

PRISM

Premium 24V LED channel letter lighting solution

Specifications

Dimensions L × W × H ..... 2.4" × 0.5" × 0.4"

LEDs per module 4

Mounting options ..... Peel-N-Stick and mechanical

Optional dimming ..... PWM (Pulse width modulation, SloanLED Universal LED Wiresless Dimmer 601115)

Operating temp. ..... -40° C to +70° C

Binning ..... MacAdam Ellipse 3-Step

Environment ..... IP66 & IP68*

Life rating ..... >60,000 hours‡

Warranty ..... 10-Year Product / Labor

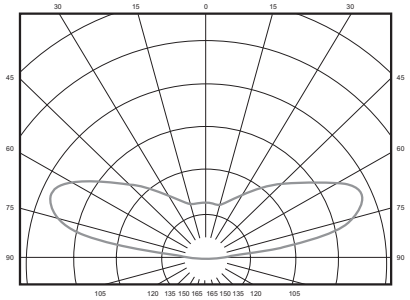
* Prism²⁴ IP68 test parameters are 1.3 m submersion for 30 minutes. Do not mount in submerged application or where module will be directly exposed to prolonged flowing or dripping water.

† Configured for Class 2 Output.

E215393 241542 RoHS Compliant



Luminous Intensity Distribution



Whites

Model	Modules per ft	Color temperature	SKU	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging of 5 bags per carton
Standard	1.2	7100 K	701269-7W24SJ1-MB	3-8"	0.86 W	138	160 lm/W	43.3 ft (52 modules) per bag
		6500 K	701269-6W24SJ1-MB					
		5000 K	701269-5W24SJ1-MB					
		4000 K	701269-4W24SJ1-MB					
		3000 K	701269-3W24SJ1-MB					

Colors

Model	Modules per ft	Color	Nominal wavelength	SKU	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging of 5 bags per carton
Standard	1.5	Red	623 nm	701269-RD24SJ1-MB	3-8"	0.43 W	26	60 lm/W	34.7 ft (52 modules) per bag
		Green	527 nm	701269-GR24SJ1-MB		0.54 W	59	109 lm/W	
		Blue	468 nm	701269-BL24SJ1-MB		0.59 W	18	31 lm/W	

Power Supply Options

	Prism²⁴			
24 VDC Power Supply†	7100 K, 6500 K, 5000 K, 4000 K, 3000 K	Red	Green	Blue
60 W	51.7 ft / 62 mods	83.4 ft / 125 mods	66.6 ft / 100 mods	60.6 ft / 91 mods
100 W	86.7 ft / 104 mods	138.7 ft / 208 mods	111.3 ft / 167 mods	101.3 ft / 152 mods
300 W	3 × 86.7 ft / 104 mods	3 × 138.7 ft / 208 mods	3 × 111.3 ft / 167 mods	3 × 101.3 ft / 152 mods

Specifications subject to change without notice.

PRINCIPAL SLOAN
A Principal Industries Company

PRISM24

24 VDC

PRISM

Premium 24V LED channel letter lighting solution

Density Guidelines

Model	Module color	Can Depth	Modules per foot	Max. stroke coverage per row		Inches on center dark vinyl*	Inches on center perforated vinyl*
				Single row	Multiple rows		
Standard	White (7100 K, 6500 K, 5000 K,4000 K, 3000 K)	3"	1.5	10"	7" on center	6	5
		4"		14"	10" on center	9	8
		5-8"	1.2	16"	15" on center	14	13
	Red	3"	1.5	11"	8.5" on center	7.5	6.5
		4"		13"	15" on center	14	13
		5-8"		16"	16.5" on center	15.5	14.5
	Green	3"	1.5	8"	9" on center	8	7
		4"		13"	12" on center	11	10
		5-8"		16"	15" on center	14	13
	Blue	3"	2	9"	8" on center	7	6
		4"		12"	11" on center	10	9
		5-8"	1.5	15"	14" on center	13	10

These guidelines are intended to provide only an approximation of product required for your sign, assuming an optimal balance of performance and cost. Principal Sloan is not responsible for the actual results based on the use of these guidelines. 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.

Notes:

- It is recommended that you first test LED density in sample letter/cabinet to evaluate brightness, uniformity and color
- Should you have questions or require assistance in testing, please contact your Principal Sloan customer service representative
- Products can be used in can depths deeper or shallower than listed above, but testing is recommended

10 YEAR Product & Labor WARRANTY

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