PRISM²⁴ MINI 24 VDC

Premium 24V LED lighting solution for small channel letters



Specifications

Dimensions L × W × H ..... 1.88" × 0.55" × 0.43"

LEDs per module 3

Modules per ft 2.5/ft

Optimal can depth ..... 2-4"

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

Optional dimming ..... PWM

Protection class ..... IP66 & IP68*

Binning ..... 3-Step MacAdam Ellipse

Life rating ..... >60,000 hours

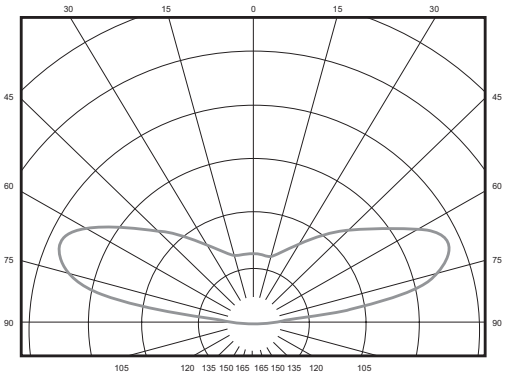
Fastening ..... Peel & Stick and mechanical

Packaging ..... 30.0 ft (75 modules) per bag, 5 bags per carton

* Prism¹² 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.

Luminous Intensity Distribution



Whites

SKU	Color temperature	Power per module	Lumens per module (nominal)	Efficacy
701269-7W24MJ1-MB	7100 K	0.40 W	40	100 lm/W
701269-6W24MJ1-MB	6500 K			
701269-5W24MJ1-MB	5000 K			
701269-4W24MJ1-MB	4000 K			
701269-3W24MJ1-MB	3000 K			

Power Supply Capacity

24 VDC Power supply†	Prism²⁴ Mini		
	White (7100 K, 6500 K, 5000 K, 4000 K, 3000 K)	Red, Green	Blue
60 W Power supply	54.0 ft / 135 mods	81.6 ft / 204 mods	46.8 ft / 117 mods
100 W Power supply	90.0 ft / 225 mods	136.0 ft / 340 mods	78.4 ft / 196 mods
300 W Power supply	3 × 90.0 ft / 225 mods	3 × 136.0 ft / 340 mods	3 × 78.4 ft / 196 mods

Colors

SKU	Color	Power per module	Lumens per module (nominal)	Efficacy
701269-RD24MJ1-MB	Red (623 nm)	0.26 W	10	40 lm/W
701269-GR24MJ1-MB	Green (529 nm)		22	85 lm/W
701269-BL24MJ1-MB	Blue (468 nm)	0.46 W	9	20 lm/W

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PRISM24 MINI 24 VDC

Premium 24V LED lighting solution for small channel letters

PRISM

Density Guidelines

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		
White (7100 K, 6500 K, 5000 K,4000 K, 3000 K)	2"	3	4.5"	4" on center	2.5	1
	3"	2.5	7"	6" on center	4	3
	5"		13"	9" on center	8	7
Red	2"	3	4.5"	4" on center	3	2
	3"	2.5	8"	7" on center	6	5
	5"		10"	13" on center	12	11
Green	2"	3	3"	4" on center	3	2
	3"	2.5	5"	6" on center	5	4
	5"		10"	11" on center	10	10
Blue	2"	3	4"	5" on center	4	3
	3"	2.5	5"	6" on center	5	4
	5"		11"	12" on center	11	10

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 SloanLED customer service representative.
- For multiple rows, calculate half of the row spacing given from the table and start first row offset that distance from return.
- Products can be used in can depths deeper or shallower than listed above, but testing is recommended.

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.

* Layout requiring one row with can depth 3" or less and/or perforated vinyl needs to be populated at four (4) modules per foot.

10 YEAR Product & Labor WARRANTY

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Specifications subject to change without notice.

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