

SloanLED Prism¹² Mini

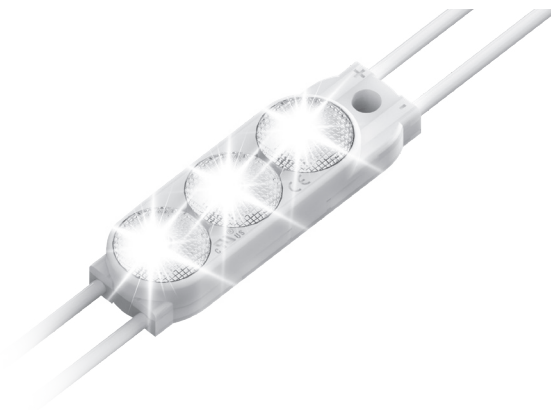
Premium 12V LED lighting solution
for small channel letters

Specifications

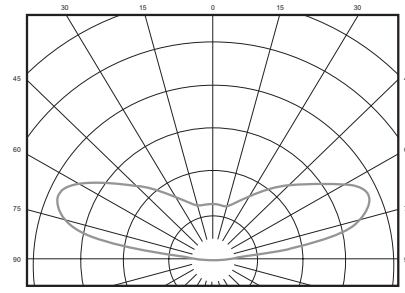
Dimensions L × W × H	48 mm × 14 mm × 11 mm (1.88 in × 0.55 in × 0.43 in)
LEDs per module	3
Operating temperature	-40° C to +70° C
Optional dimming	PWM (Pulse width modulation, SloanLED Universal LED Wireless Dimmer 601115)
Binning	MacAdam Ellipse 3-Step (whites)
Protection class	IP66 & IP68*
Life rating	>60,000 hours†
Fastening	Peel-n-stick and mechanical



* 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.
‡ Based on LM-80 data for white LEDs. LM-80 data unavailable for color LEDs.



Luminous Intensity Distribution



Whites

Modules per m/ft	Color temperature	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
6.6/m (2.0/ft)	7100 K	701269-7W12MJ1-MB	50-100 mm (2-4")	0.38 W	50	132 lm/W	21.6 m / 71.0 ft (142 modules) per bag, 3 bags per carton
	6500 K	701269-6W12MJ1-MB					
	5000 K	701269-5W12MJ1-MB					
	4000 K	701269-4W12MJ1-MB					
	3000 K	701269-3W12MJ1-MB			45	118 lm/W	

Colors

Modules per m/ft	Color	Nominal wavelength	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
6.6/m (2.0/ft)	Red	628 nm	701269-RD12MJ1-MB	50-100 mm (2-4")	0.30 W	12	40 lm/W	27.4 m / 90.0 ft (180 modules) per bag, 2 bags per carton
	Green	527 nm	701269-GR12MJ1-MB			30	100 lm/W	
	Blue	471 nm	701269-BL12MJ1-MB			8	27 lm/W	

Power Supply Capacity

12 VDC Power supply†	SloanLED Prism ¹² Mini	
	7100 K, 6500 K, 5000 K, 4000 K, 3000 K	Red, Green, Blue
25 W Power supply (EU/ROW ONLY)	9.0 m (29.5 ft) / 59 mods	11.4 m (37.5 ft) / 75 mods
30 W Power supply (EU/ROW ONLY)	10.8 m (35.5 ft) / 71 mods	13.7 m (45.0 ft) / 90 mods
60 W Power supply	21.6 m (71.0 ft) / 142 mods	27.4 m (90.0 ft) / 180 mods
2 × 60 W Power supply	2 × 21.6 m (71.0 ft) / 142 mods	2 × 27.4 m (90.0 ft) / 180 mods
2 × 75 W Power supply (EU/ROW ONLY)	2 × 27.0 m (88.5 ft) / 177 mods	2 × 34.3 m (112.5 ft) / 225 mods

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Density Guidelines

Module color	Can Depth	Modules per meter	Milimeters on center standard face	Milimeters on center dark vinyl	Milimeters on center perforated vinyl	Watts per module	Modules per M ² standard face	Modules per M ² dark vinyl
White (7100 K, 6500 K, 5000 K, 4000 K, 3000 K)	50 mm	10	100	75	50	0.38	100.0	133.3
	75 mm		125	100	75		80.0	100.0
	100 mm	6.5	200	175	150		32.5	37.1
	125 mm		225	200	175		28.9	32.5
Red	50 mm	10	100	75	50	0.30	100.0	133.3
	75 mm	6.5	150	125	100		43.3	52.0
	125 mm		300	275	250		21.7	23.6
Green	50 mm	10	75	50	25	0.30	133.3	200.0
	75 mm		125	100	75		80.0	100.0
	125 mm	6.5	250	225	200		26.0	28.9
Blue	50 mm	10	100	75	50	0.30	100.0	133.3
	75 mm	6.5	125	100	75		52.0	65.0
	125 mm		250	225	200		26.0	28.9

Notes:

- 1) It is recommended that you first test LED density in sample letter/cabinet to evaluate brightness, uniformity and color.
- 2) Should you have questions or require assistance in testing, please contact your SloanLED customer service representative.
- 3) For multiple rows, calculate half of the row spacing given from the table and start first row offset that distance from return.
- 4) Products can be used in can depths deeper or shallower than listed above, but testing is recommended.
- 5) Based on European face materials.
- 6) Maximum single row coverage is (Milimeters on center with standard face) × 1.25.

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

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