

SloanLED Prism¹² Nano+

Premium 12V LED lighting solution for
block acrylic signs and small channel letters

Specifications

Dimensions L x W x H 20.8 mm x 8.4 mm x 8.6 mm

LEDs per module 1

Optimal can depth 25-75 mm

Operating temperature -40° C to +70° C

Protection class IP66

Life rating >54,000 hours

Fastening Peel-n-stick

Packaging 6.0 m (150 modules) per bag,
7 bags per carton



Whites

Part number	Color temperature	Power per module	Lumens per module (nominal)	Efficacy
701269-7W12NJ1-MB	7200 K	0.22 W	35	160 lm/W
701269-6W12NJ1-MB	6500 K			
701269-5W12NJ1-MB	5000 K			
701269-4W12NJ1-MB	4000 K			
701269-3W12NJ1-MB	3000 K		33.5	152 lm/W

Power Supply Capacity

12 VDC Power supply	White 7200 K, 6500 K, 5000 K, 4000 K, 3000 K	Red, Green, Blue
Modules per meter	25	
30 W Power Supply (EU/ROW ONLY)	5.0 m / 125 mods	8.3 m / 207 mods
60 W Power Supply	10.0 m / 250 mods	16.6 m / 415 mods
Power per meter in watts	5.51 W	3.25 W

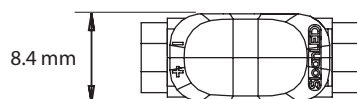
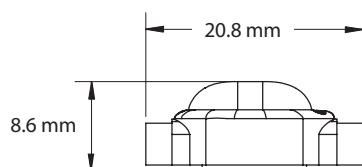
SloanLED channel letter products are covered by US and foreign patents pending and covered by one or more of the following US patents issued: 6,932,495, 7,160,140, 7,241,031, 7,520,771, 7,931,386 and European Patent No. 1756471.



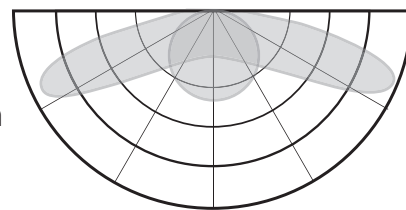
Colors

Part number	Color	Nominal wavelength	Power per module	Lumens per module (nominal)	Efficacy
701269-RD12NJ1-MB	Red	625	0.13 W	4.9	38 lm/W
701269-GR12NJ1-MB	Green	527		13.5	104 lm/W
701269-BL12NJ1-MB	Blue	470		3.0	23 lm/W

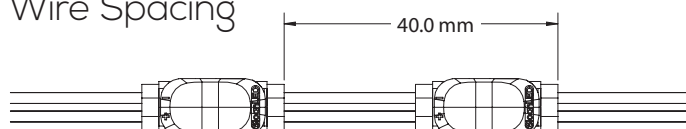
Dimensions



Luminous Intensity Distribution



Wire Spacing



SloanLED Prism¹² Nano+

Premium 12V LED lighting solution for
block acrylic signs and small channel letters

Density Guidelines

Size	Module color	Can Depth	Modules per meter	Millimeters on center standard face	Millimeters on center dark vinyl	Millimeters on center perforated vinyl	Watts per module	Modules per M ² standard face	Modules per M ² dark vinyl
Nano (Face-lit)	White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	40 mm	25	40	30	20	0.22	625.0	833.3
		50 mm		60	Test	Test		416.7	Test
	Red, Green, Blue	40 mm	25	40	30	20	0.13	625.0	833.3
		50 mm		60	Test	Test		416.7	Test
Nano (BlockLED, 30 mm)*	White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	30 mm	25	45	Test	Test	0.22	555.6	Test
	Red, Green, Blue	30 mm	25	45	Test	Test	0.13	555.6	Test

* 30 mm BlockLED; 12 mm routed out, indirect illumination (modules facing white reflective backtray). Single row coverage 50 mm.

These guidelines are intended to provide only an approximation of 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.

- Notes:
- Test results based on Evonik WN070 3 mm acrylic, 30% translucency.
 - 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.
 - > Symbol represents greater than. < Symbol represents less than. ≥ Symbol represents greater than or equal to.
 - 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.
 - Maximum single row coverage is (Millimeters on center with standard face) × 1.25.

SloanLED Headquarters
3490 Venture Dr., San Angelo, TX, USA
325 227 4577 • info@SloanLED.com

SloanLED Europe b.v.
Argonstraat 110, 2718 SN Zoetermeer, NL
+31 88 12 44 900 • europe@SloanLED.com



SloanLED.com



Visit product page
for details.

