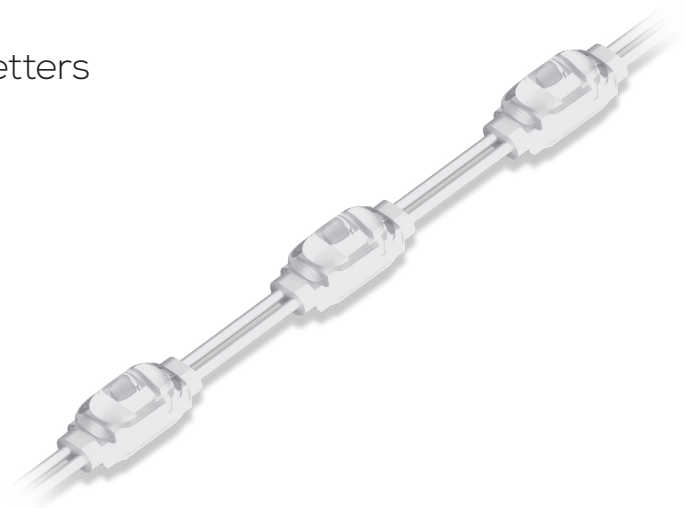


# SloanLED Prism<sup>12</sup> Nano+

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  
(0.82" x 0.33" x 0.34")
- LEDs per module** ..... 1
- Optimal can depth** ..... 25-75 mm (1-3")
- Operating temperature** ..... -40° C to +70° C
- Protection class** ..... IP66
- Life rating** ..... >54,000 hours
- Fastening** ..... Peel-n-stick
- Packaging** ..... 6.0 m / 19.7 ft (150 modules) per bag,  
7 bags per carton



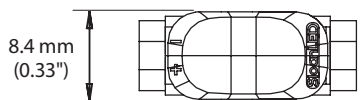
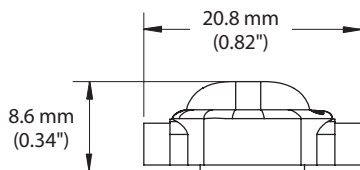
## Whites

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			

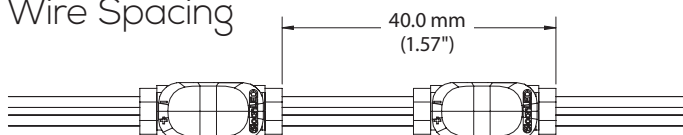
## Colors

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



## Wire Spacing



## Power Supply Capacity

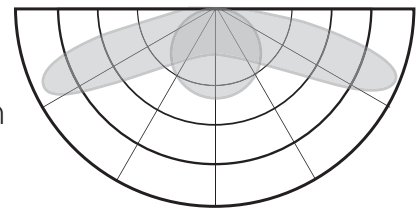
12 VDC Power supply*	White 7200 K, 6500 K, 5000 K, 4000 K, 3000 K	Red, Green, Blue
<b>Modules per meter/foot</b>	25 / 7.6	
20 W Power Supply	3.3 m (10.9 ft) / 83 mods	5.5 m (18.1 ft) / 138 mods
25 W Power Supply (EU/ROW ONLY)	4.2 m (13.6 ft) / 104 mods	6.9 m (22.7 ft) / 173 mods
30 W Power Supply (EU/ROW ONLY)	5.0 m (16.4 ft) / 125 mods	8.3 m (27.2 ft) / 207 mods
60 W Power Supply	10.0 m (32.8 ft) / 250 mods	16.6 m (54.5 ft) / 415 mods
2 x 60 W Power Supply	2 x 10.0 m (32.8 ft) / 250 mods	2 x 16.6 m (54.5 ft) / 415 mods
2 x 75 W Power Supply (EU/ROW ONLY)	2 x 12.5 m (40.9 ft) / 312 mods	2 x 20.8 m (68.3 ft) / 520 mods
<b>Power per meter (foot) in watts</b>	5.51 (1.68) W	3.25 (0.99) W

\* Configured for Class 2 Output.

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.



## Luminous Intensity Distribution



# SloanLED Prism<sup>12</sup> 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 <sup>2</sup> standard face	Modules per M <sup>2</sup> 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.

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Visit product page for details.

Specifications subject to change without notice.

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