

TO TABLE

GOURMET TRILOGY

BURGER

## SLOANLED PRISM12 NANO+

### Product description:

SloanLED Prism12 Nano+ delivers even bigger performance in block acrylic signs and small channel letters with improved elliptical optics in a broad range of colour temperatures and colours for better light distribution, more modules per power supply, and unprecedented efficacy of up to 160 lm/W making SloanLED Prism12 Nano+ the class-leading solution over competing 12 & 24 V products!

### Key features:

- Available in White (7200k, 6500k, 5000k, 4000k & 3000k), Red, Green, and Blue
- Ideal for routed acrylic block letter, shallow channel letter and backlit halo letter applications as shallow as 25mm
- More modules per power supply, up from 150 to an unprecedented 250 white modules on a 60 W power supply
- New 22 AWG cable for greater safety and reduced voltage drop



Individual modules for easy installation with no soldering and no PCB cutting

Easy installation with self-adhesive back

Improved elliptical optics for unprecedented light distribution

### Product data:

<b>Manufacturer -</b>	SloanLED	<b>Life rating -</b>	>54,000 hours
<b>Product name -</b>	SloanLED Prism12 Nano+	<b>Protection class -</b>	IP66
<b>Dimensions L x W x H -</b>	20.8mm x 8.4mm x 8.6mm	<b>Fastening -</b>	Peel-n-stick
<b>LEDs per module -</b>	1	<b>Packaging -</b>	6.0m / 19.7 ft (150 modules) per bag, 7 bags per carton
<b>Optimal can depth -</b>	25 - 75mm	<b>Warranty -</b>	10 years product and labour
<b>Operating temperature -</b>	-40° C to +70° C		

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## 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			

## 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
Power per meter (foot) in watts	5.51 (1.68) W	3.25 (0.99) W

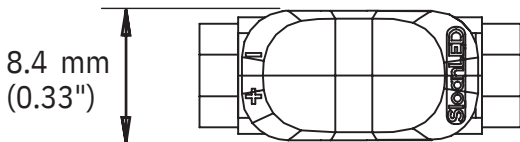
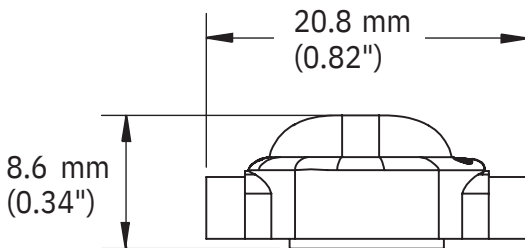
## Colours:

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

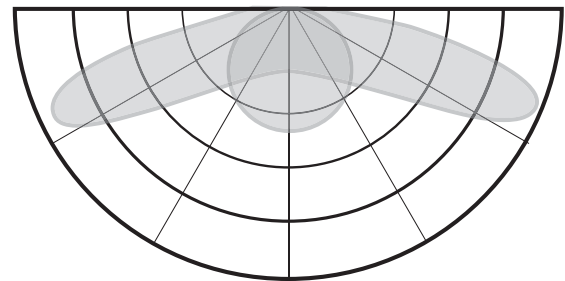
\* Configured for Class 2 Output.



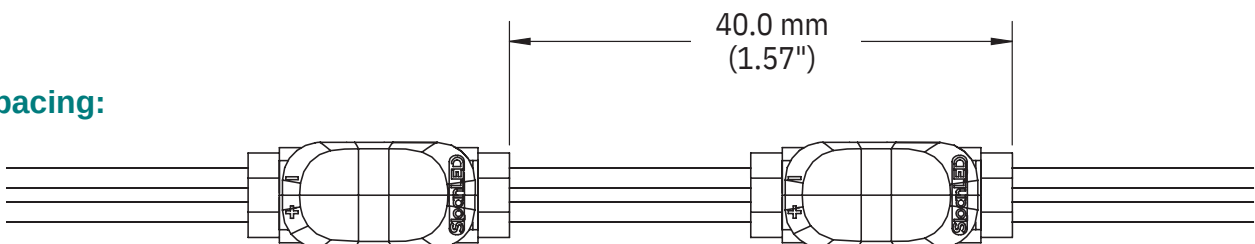
## Dimensions:



## Luminous intensity distribution:



## Wire spacing:



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## 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.

### 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.

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.

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