

# SloanLED Prism

Reimagined LED lens technology



We Brighten  
Your Brands.



**SloanLED®**  
Leaders in LED Technology



# We know a thing or two about sign lighting.

SloanLED has been a key manufacturer and supplier to the sign industry for more than 20 years. Our high-efficiency, long lasting solutions don't just light your signs; they represent significant energy cost reductions, maintenance cost savings, easy installation, faster ROI, and deliver exceptional performance with consistent brightness and uniformity.

*Micro prism lens producing a wide, even light spread*

*Versatile mounting options*

*Constant Current Technology*

*Nichia top-tier LED chip*



- Brightest lighting option in its class
- Ideal lens shape for illuminating channel letters
- Use fewer modules for faster installation and lower cost per sign
- Versatile mounting options



SloanLED Prism is designed to give you the widest, most even spread of illumination, broadening spacing between rows, and properly dispersing the light to avoid hot spots in shallow applications. This results in a blend of light from all the modules, versus a direct projection onto the face from each module individually.

Module color	Desired can depth							
	2 in (50 mm)	3 in (75 mm)	4 in (100 mm)	5 in (125 mm)	6 in (150 mm)	7 in (178 mm)	8 in (200 mm)	9 in+ (228 mm+)
SloanLED Prism Whites and Colors								
Mini								
HO								

■ Optimal ■ Acceptable

# We're on a power trip.

Constant Current Technology (CCT) is at the heart of SloanLED's product offering, and forms the backbone of SloanLED channel letter products. We introduced CCT to the industry to maintain consistent current levels, eliminating the line loss and voltage drop issues common in many LED lighting systems. CCT provides uniform light output throughout the entire installation, while also preventing damage from overdriving of the LEDs.

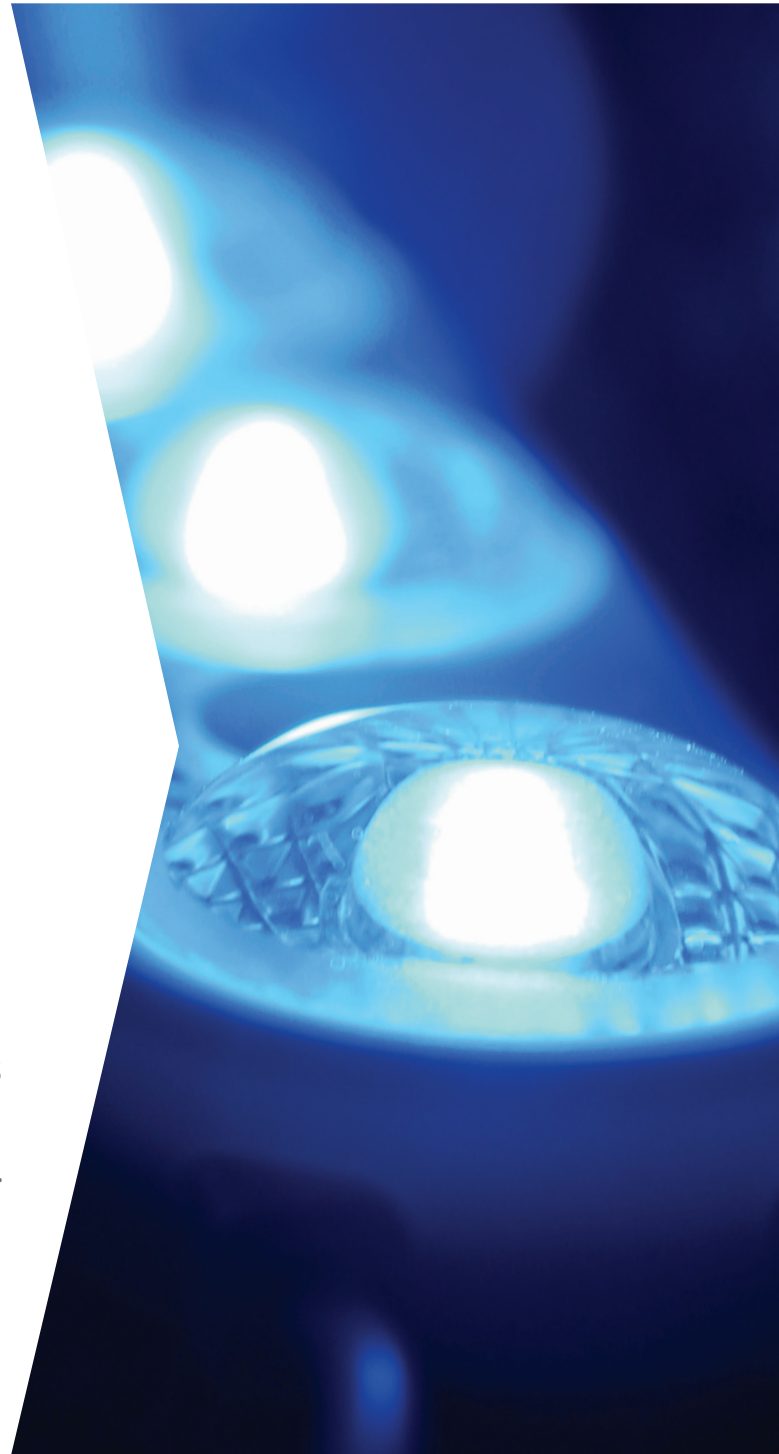
## Consistency is key.

The human eye is an incredibly sensitive instrument, and our brains are wired to detect exceptions and inconsistencies in our environment. Tiny process variations in manufacturing can manifest themselves as a problem when it comes to any product that deals with light and color, and this phenomenon can be observed in lot-to-lot variation in dyes, fabrics, and paints. LEDs are no exception.

Binning is a method of sorting LED chips so that all the LEDs from one particular bin share a similar output and appearance. Many LED systems often demonstrate a temperature range variation of 1000 K, and extreme deviations like that can result in substantial differences in color. SloanLED uses a 3-step McAdam Ellipse binning process for chip color consistency so your brand is represented accurately every time.

## There's no substitute for quality.

Other LED manufacturers use cheaper components and maximize the potential brightness of their products at the expense of longevity; overdriving the LEDs for instant gratification while sacrificing sustainability and endurance. SloanLED uses the highest caliber components in order to offer you a superior product with the longest lifespan.

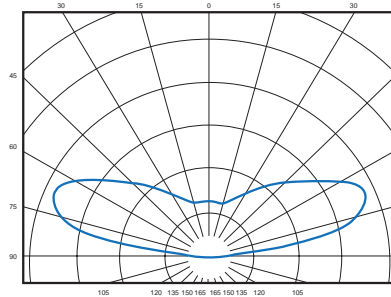


# SloanLED Prism

## Specifications

<b>Dimensions L x W x H</b> ..... SloanLED Prism, HO .....	2.75 in x 0.75 in x 0.44 in (70 mm x 19 mm x 11 mm)
Mini.....	1 in x 0.72 in x 0.45 in (25 mm x 18 mm x 11 mm)
Colors.....	2.75 in x 0.75 in x 0.50 in (70 mm x 19 mm x 13 mm)
<b>LEDs per module</b> ..... SloanLED Prism, HO .....	3
Mini.....	1
<b>Operating temperature</b> .....	-40° C to +70° C
<b>Protection class</b> .....	IP66 & IP68 <sup>1</sup>
<b>Life rating</b> .....	>60,000 hours
<b>Fastening</b> ..... SloanLED Prism, HO .....	Peel-n-stick and mechanical
Mini.....	Peel-n-stick

## Luminous Intensity Distribution



1 Prism 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.

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.

## Whites

Model	Modules per foot/meter	Color temperature	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Power capacity per SloanLED 60 W 12 VDC power supply	Packaging of 5 trays per carton
SloanLED Prism	1/ft (3.3/m)	6500 K	701269-6WSJ2-MB	3-8" (75-200 mm)	1.12 W	124	111 lm/W	48 modules (48.0 ft / 14.6 m)	48.0 ft / 14.6 m (48 modules) per tray
	1.5/ft (4.9/m)	7100 K	701269-7WSJ1-MB					48 modules (32.0 ft / 9.8 m)	32.0 ft / 9.8 m (48 modules) per tray
		6500 K	701269-6WSJ1-MB						
		5700 K	701269-57SJ1-MB						
		5000 K	701269-5WSJ1-MB						
		4000 K	701269-4WSJ1-MB			120	107 lm/W		
Mini	2.25/ft (7.4/m)	6500 K	701269-6WMJ1-MB	2-4" (50-100 mm)	0.46 W	44	95 lm/W	120 modules (53.3 ft / 16.3 m)	42.7 ft / 13.0 m (96 modules) per tray
HO	0.8/ft (2.6/m)	6500 K	701269-6WHJ1-MB	5-12" (127-305 mm)	1.68 W	180	107 lm/W	32 modules (40.0 ft / 12.2 m)	40.0 ft / 12.2 m (32 modules) per tray
		5000 K	701269-5WHJ1-MB						

## Colors

Part number	Color	Nominal wavelength	Modules per foot/meter	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Power capacity per SloanLED 60 W 12 VDC power supply	Packaging of 5 trays per carton		
701269-RDSJ3-MB	Red	628	2/ft (6.6/m)	3-8" (75-200 mm)	0.72 W	24	33.5 lm/W	75 modules (37.5 ft / 11.4 m)	24 ft / 7.3 m (48 modules) per tray		
701269-RDSJ1-MB		1.5/ft (4.9/m)	3-8" (75-200 mm)					0.72 W	24	33.5 lm/W	75 modules (50 ft / 15.2 m)
701269-ORSJ1-MB	Orange					606					
701269-YLSJ1-MB	Yellow					589					
701269-GRSJ1-MB	Green					527					
701269-BLSJ1-MB	Blue					471					

## Power Supply Capacity

Item description (Part number)	Power output	SloanLED Prism, 6500 K	SloanLED Prism, 7100 K, 6500 K, 5700 K, 5000 K, 4000 K, 3000 K	SloanLED Prism Mini 6500 K	SloanLED Prism HO 6500 K, 5000 K	Red, Orange, Yellow, Green, Blue	Red
<b>Modules per foot/meter</b>		1/3.3	1.5/4.9	2.25/7.4	0.8/2.6	1.5/4.9	2/6.6
Self-Contained 20 W [701680]	20 W	16 ft / 16 mods	10.7 ft / 16 mods	17.8 ft / 40 mods	12.5 ft / 10 mods	16.7 ft / 25 mods	12.5 ft / 25 mods
Compact 12/25 W [410174]	25 W	20 ft / 20 mods	13.3 ft / 20 mods	22.2 ft / 50 mods	16.3 ft / 13 mods	20.7 ft / 31 mods	15.5 ft / 31 mods
60C1 60 W [701507-60C1] 60W1 60 W [701507-60W1] 60W2 60 W [701507-60W2] MODW(E) 60 W [701507-MODW(E)] MOD277 60 W [701507-MOD277]	60 W	48 ft / 48 mods	32 ft / 48 mods	53.3 ft / 120 mods	40.0 ft / 32 mods	50 ft / 75 mods	37.5 ft / 75 mods
120D1 120 W [701507-120D1]	120 W	2 x 96 ft / 48 mods	2 x 64 ft / 48 mods	2 x 53.3 ft / 120 mods	2 x 80 ft / 48 mods	2 x 100 ft / 75 mods	2 x 75 ft / 75 mods
Watts per module		1.12	1.12	0.46	1.68	0.72	0.72

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