

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 | Optimal | Optimal | Optimal | Optimal | Optimal | Optimal | Optimal | Optimal |
| Mini | Optimal | Optimal | Optimal | Optimal | Optimal | Optimal | Optimal | Optimal |
| HO | Optimal | Optimal | Optimal | Optimal | Optimal | Optimal | Optimal | Optimal |

■ 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

Dimensions L x W x H 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)

LEDs per module SloanLED Prism, HO 3
Mini..... 1

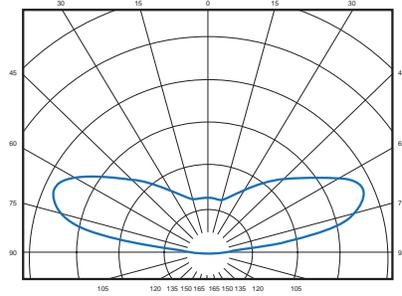
Operating temperature..... -40° C to +70° C

Protection class IP66 & IP68¹

Life rating >60,000 hours

Fastening 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 | 1.5/ft (4.9/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 |
| | | 7100 K | 701269-7WSJ1-MB | | | | | | |
| | | 6500 K | 701269-6WSJ1-MB | | | | | | |
| | | 5700 K | 701269-57SJ1-MB | | | | | | |
| | | 5000 K | 701269-5WSJ1-MB | | | | | | |
| | | 4000 K | 701269-4WSJ1-MB | | | | | | |
| 3000 K | 701269-3WSJ1-MB | | | | | | | | |
| Mini | 2.25/ft (7.4/m) | 6500 K | 701269-6W MJ1-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) | 32 ft / 9.8 m (48 modules) per tray |
| 701269-RDSJ1-MB | | | 1.5/ft (4.9/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 |
|---|--------------|------------------------|--|----------------------------|----------------------------------|----------------------------------|---------------------|
| Modules per foot/meter | | 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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