24
VDC

10 YEAR
Product & Labor
WARRANTY

We Brighten Your Brands

SloanLED Prism²⁴

Premium 24V channel letter lighting solution

SloanLED®
Leaders in LED Technology

Powerful.
Efficient.
Brilliant.

The SloanLED Prism24 family is a complete, premium, 24 VDC LED lighting solution for small, low-profile, standard, and large channel letters. Featuring dual-die technology for over double the square footage of illumination, and higher efficacy over the existing 12 VDC version, this powerful suite of channel letter lighting products is designed to give sign makers the widest, most even spread of illumination, broadening spacing between rows, and properly dispersing the light to avoid hot spots in any application.

SloanLED Prism²⁴ Standard
White (7100 K, 6500 K, 5000 K, 4000 K, 3000 K), Red, Green, and Blue

SloanLED Prism²⁴ LP
White (7100 K, 6500 K, 5000 K, 4000 K, 3000 K)

SloanLED Prism²⁴ High Output
6500 K, 5000 K

Versatile mounting options

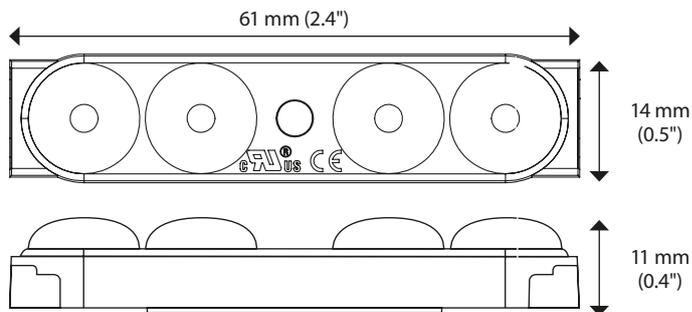*Constant Current circuit design reduces light loss over long runs*

Ideal lens shape for illuminating channel letters

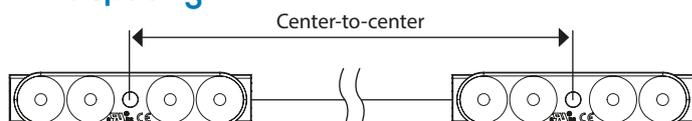*MacAdam Ellipse 3-Step white binning*

SloanLED

- Available in Standard (White [7100 K, 6500 K, 5000 K, 4000 K, 3000 K], Red, Green, and Blue, High Output (White 6500 K, 5000 K), and LP (White [7100 K, 6500 K, 5000 K, 4000 K, 3000 K])

- Load 26 linear meters (86 ft) / 104 modules on a single 100 W 24 VDC power supply

- Fewer modules per foot (3.9/m [1.2/ft]) for fast installation time and lower labor costs

- Additional cost savings with fewer power supplies required per sign (compared to 12 VDC systems)

- 10-year parts/labor warranty

SloanLED Prism²⁴ Standard, HO, and LP

61 mm (2.4")

14 mm (0.5")

11 mm (0.4")

Wire spacing

Center-to-center

SloanLED Prism²⁴ Standard Whites: 254 mm (10.00") ± 3.3 mm (0.13")
SloanLED Prism²⁴ Standard Colors: 203 mm (8.00") ± 3.3 mm (0.13")
SloanLED Prism²⁴ LP: 203 mm (8.00") ± 3.3 mm (0.13")
SloanLED Prism²⁴ HO (High Output): 381 mm (15.00") ± 3.3 mm (0.13")

The **complete solution** for all your lighting needs.

SloanLED channel letter LED lighting products are designed for the whole spectrum of channel letter applications, including face and halo lit, shallow to deep can depths, and routed acrylic letters.

SloanLED Prism²⁴			
Premium 24V channel letter lighting solution			
MODS/M(FT)	COLORS	LUMENS/MOD	EFFICACY
SloanLED Prism²⁴ Mini			
8.2/m (2.5/ft)	White (7100 K, 6500 K, 5000 K, 4000 K, 3000 K), Red, Green, and Blue	40	100 lm/W
SloanLED Prism²⁴			
3.9/m (1.2/ft)	White (7100 K, 6500 K, 5000 K, 4000 K, 3000 K), Red, Green, and Blue	Up to 138	Up to 160 lm/W
SloanLED Prism²⁴ LP			
4.9/m (1.5/ft)	White (7100 K, 6500 K, 5000 K, 4000 K, 3000 K)	70	162 lm/W
SloanLED Prism²⁴ HO			
2.6/m (0.8/ft)	White (6500 K, 5000 K)	180	150 lm/W

Small channel letters
Channel letter applications 50-100 mm (2-4") deep

Standard channel letters
Channel letter applications 75-200 mm (3-8") deep

Low-profile channel letters
Channel letter applications 75-200 mm (3-8") deep

Large channel letters
Channel letter applications 50-100 mm (2-4") deep

For more information on our Channel Letter collection of products, visit **SloanLED.com**.

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.
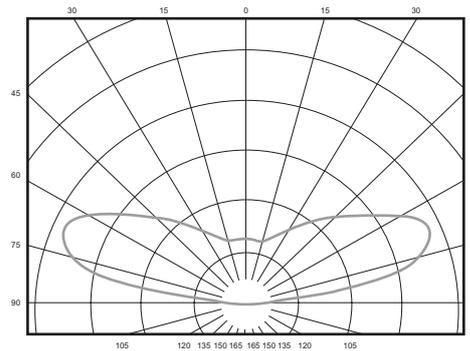
There's no substitute for quality.

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 Prism²⁴

Specifications

LEDs per module............................ *Standard, HO, LP* 4

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

Optional dimming .... PWM (Pulse width modulation, SloanLED Universal LED Wireless Dimmer 601115)

Binning.. MacAdam Step 3

Protection class .... IP66 & IP68*

Life rating .... >60,000 hours

Fastening .... Peel-n-stick and mechanical

Luminous Intensity Distribution

Whites

Model	Modules per m/ft	Color temperature	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
Standard	3.9/m (1.2/ft)	7100 K	701269-7W24SJ1-MB	75-200 mm (3-8")	0.86 W	138	160 lm/W	13.2 m / 43.3 ft (52 modules) per bag, 5 bags per carton
		6500 K	701269-6W24SJ1-MB					
		5000 K	701269-5W24SJ1-MB					
		4000 K	701269-4W24SJ1-MB					
		3000 K	701269-3W24SJ1-MB					
High Output	2.6/m (0.8/ft)	6500 K	701269-6W24HJ3-MB	127-305 mm (5-12")	1.20 W	180	150 lm/W	14.5 m / 47.5 ft (38 modules) per bag, 5 bags per carton
		5000 K	701269-5W24HJ3-MB					
LP	4.9/m (1.5/ft)	7100 K	701269-7W24LJ1-MB	75-200 mm (3-8")	0.43 W	70	162 lm/W	10.6 m / 34.7 ft (52 modules) per bag, 5 bags per carton
		6500 K	701269-6W24LJ1-MB					
		5000 K	701269-5W24LJ1-MB					
		4000 K	701269-4W24LJ1-MB					
		3000 K	701269-3W24LJ1-MB					

Colors

Model	Modules per m/ft	Color	Nominal wavelength	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
Standard	4.9/m (1.5/ft)	Red	623 nm	701269-RD24SJ1-MB	75-200 mm (3-8")	0.43 W	26	60 lm/W	10.6 m / 34.7 ft (52 modules) per bag, 5 bags per carton
		Green	527 nm	701269-GR24SJ1-MB			50	116 lm/W	
		Blue	468 nm	701269-BL24SJ1-MB		0.72 W	16	22 lm/W	

Power Supply Capacity

24 VDC Power supply†	SloanLED Prism²⁴				SloanLED Prism²⁴ HO	SloanLED Prism²⁴ LP
	7100 K, 6500 K, 5000 K, 4000 K, 3000 K	Red	Green	Blue	6500 K, 5000 K	7100 K, 6500 K, 5000 K, 4000 K, 3000 K
100 W Power supply	26.4 m (86.7 ft) / 104 mods	42.3 m (138.7 ft) / 208 mods	33.9 m (111.3 ft) / 167 mods	30.9 m (101.3 ft) / 152 mods	28.5 m (93.8 ft) / 75 mods	42.3 m (138.7 ft) / 208 mods
300 W Power Supply	3 × 26.4 m (86.7 ft) / 104 mods	3 × 42.3 m (138.7 ft) / 208 mods	3 × 33.9 m (111.3 ft) / 167 mods	3 × 30.9 m (101.3 ft) / 152 mods	3 × 28.5 m (93.8 ft) / 75 mods	3 × 42.3 m (138.7 ft) / 208 mods

* SloanLED Prism²⁴ 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.

† 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, 7,241,031, 7,520,771.

10 YEAR Product & Labor WARRANTY

Specifications subject to change without notice.

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