

SloanLED PrismBEAM

LED solution for
retrofitting sign cabinets

Improved End Cap Design

Non-conductive end cap reduces risk of
electrical shock if inserted into live socket



Perfectly matches T-12
sockets for optimum
fit and stability

**COMING
SOON**



We Brighten Your Brands.



SloanLED[®]
Leaders in LED Technology

Beaming with brilliance.

SloanLED extends the unparalleled, uniform illumination of our micro prism lens products to box sign lighting with SloanLED PrismBEAM: a cost-effective, lens based LED lighting solution designed to replace existing T12 fluorescent lamps. The superior efficiency, longer life, and lower maintenance costs of SloanLED PrismBEAM make this ideal fluorescent alternative for box sign applications positively beam with brilliance.



- Available in all standard lamp sizes
- Easy installation using existing sockets, requiring no connectors or adapters
- Available in single and double-sided options
- Uniform illumination at 8" (200 mm) optimum, up to 16" (400 mm) maximum from face
- Product can be cut to custom lengths in the field
- High efficiency and long life



Thinking inside the box.

SloanLED offers brilliant sign lighting solutions for single and double-sided, narrow to large, new and retrofit, box and cloud signs. Our products are designed and engineered with sign makers in mind, to provide bright, even illumination, incredible ROI, and fast, easy installation. We spend our time inside the box, to provide lighting solutions that go beyond the box to brighten your bottom line.

Product	Description
SloanLED PrismBEAM	Bright, uniform illumination at 8" (150 mm) optimum, up to 16" (400 mm) maximum from face, for single and double-sided fluorescent cabinets
SignBOX RapidStick	Ideal for rapid retrofits of single and double-sided fluorescent cabinets – typically 8" (200 mm) from sign face
SignBOX II	Ideal for single or double-sided new cabinets or retrofits as close as 5" (125 mm) from sign face
PosterBOX 3	Bright, even illumination in large cabinets with depths as shallow as 3" (75 mm) for single-sided applications, and 4" (100 mm) for double-sided applications
PosterBOX	Side illuminated lighting for shallow to standard cabinets 4" (100 mm) to 8" (200 mm) in depth
PosterBOX Slim 2	Side illuminated lighting for slim or shallow cabinets as narrow as 2" (50 mm) in depth (single and double-sided)

For more information on our Sign Cabinet/Box 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.

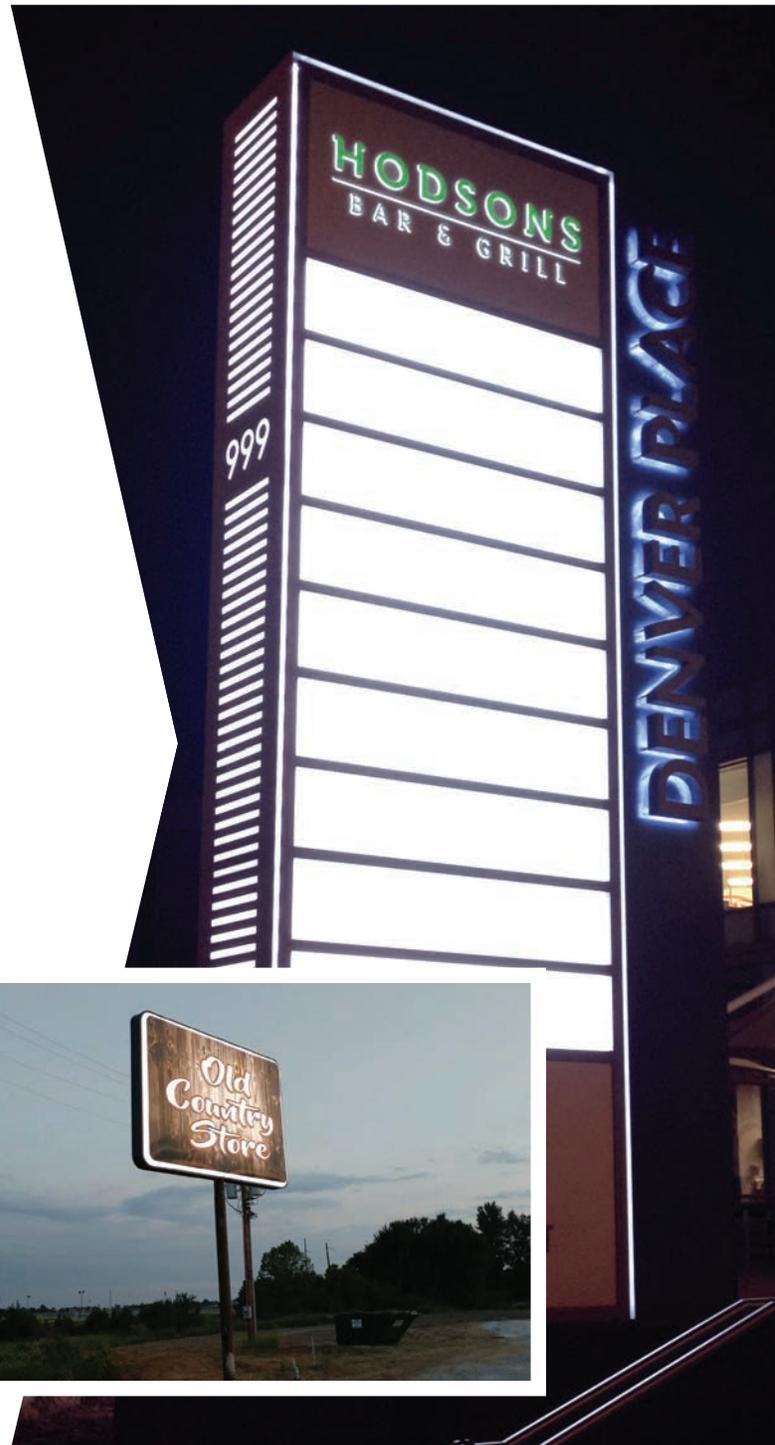
Consistency is key.

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 MacAdam 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 PrismBEAM

Specifications

Lengths		Part number		Modules per assembly		Lumens per assembly		Packaging
Nominal	Actual	Single-sided	Double-sided	Single-sided	Double-sided	Single-sided	Double-sided	Lamps per carton
18 in (0.46 m)	15.72 in (0.40 m)	701972-6WPS181	701972-6WPD181	2	4	360	720	8
24 in (0.61 m)	21.72 in (0.55 m)	701972-6WPS241	701972-6WPD241	3	6	540	1080	8
30 in (0.76 m)	27.72 in (0.70 m)	701972-6WPS301	701972-6WPD301	3	6	540	1080	8
36 in (0.91 m)	33.72 in (0.86 m)	701972-6WPS361	701972-6WPD361	4	8	720	1440	8
42 in (1.07 m)	39.72 in (1.01 m)	701972-6WPS421	701972-6WPD421	5	10	900	1800	8
48 in (1.22 m)	45.72 in (1.16 m)	701972-6WPS481	701972-6WPD481	6	12	1080	2160	16
60 in (1.52 m)	57.72 in (1.47 m)	701972-6WPS601	701972-6WPD601	7	14	1260	2520	16
64 in (1.63 m)	61.72 in (1.57 m)	701972-6WPS641	701972-6WPD641	8	16	1440	2880	8
72 in (1.83 m)	69.72 in (1.77 m)	701972-6WPS721	701972-6WPD721	9	18	1620	3240	16
84 in (2.13 m)	81.72 in (2.08 m)	701972-6WPS841	701972-6WPD841	10	20	1800	3600	8
96 in (2.44 m)	93.72 in (2.38 m)	701972-6WPS961	701972-6WPD961	12	24	2160	4320	16
108 in (2.74 m)	105.72 in (2.69 m)	701972-6WPS1081	701972-6WPD1081	13	26	2340	4680	8
117 in (2.97 m)	114.72 in (2.91 m)	701972-6WPS1171	701972-6WPD1171	14	28	2520	5040	8
120 in (3.05 m)	117.72 in (2.99 m)	701972-6WPS1201	701972-6WPD1201	14	28	2520	5040	8

Dimensions W x H Single-sided 0.75 in x 0.81 in (19 mm x 21 mm)
 Double-sided 0.75 in x 1.27 in (19 mm x 32 mm)

Efficacy 107 lm/W

Color temperature (nominal) 6500 K

Optimum cabinet depth 8" (200 mm) optimum

Operating temperature -40° C to +60° C

Protection class IP66 & IP68¹

Binning MacAdam Step 3

Life rating >60,000 hours

Fastening Fluorescent lampholders



Power Supply Capacity

Single-sided (12 V)

Item description (Part number)	Power output	Maximum lamps per power supply													
		18 in (0.46 m)	24 in (0.61 m)	30 in (0.76 m)	36 in (0.91 m)	42 in (1.07 m)	48 in (1.22 m)	60 in (1.52 m)	64 in (1.63 m)	72 in (1.83 m)	84 in (2.13 m)	96 in (2.44 m)	108 in (2.74 m)	117 in (2.97 m)	120 in (3.05 m)
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	16	10	10	8	6	5	4	4	3	3	2	2	2	2
120D1 120 W [701507-120D1]	120 W	2 x 16	2 x 10	2 x 10	2 x 8	2 x 6	2 x 5	2 x 4	2 x 4	2 x 3	2 x 3	2 x 2	2 x 2	2 x 2	2 x 2
Watts per assembly		3.4	5.0	5.0	6.7	8.4	10.1	11.8	13.4	15.1	16.8	20.2	21.8	23.5	23.5

Double-sided (24 V)

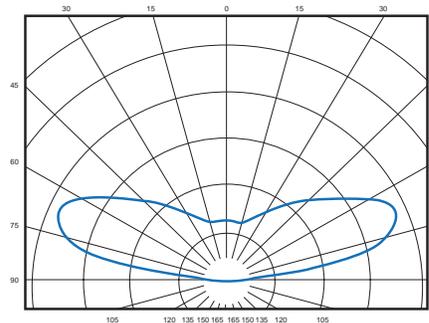
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24 VDC Power Supply [701895-24C]	100 W	13	9	9	6	5	4	4	3	3	2	2	2	2	2
Watts per assembly		6.7	10.1	10.1	13.4	16.8	20.2	23.5	26.9	30.2	33.6	40.3	43.7	47.0	47.0

SloanLED Headquarters
 805.676.3200 • info@SloanLED.com
 SloanLED.com

SloanLED Europe b.v.
 +31 88 12 44 900 • Europe@SloanLED.com



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.

Accessories



Bracket
 402231-10
 Optional – Sold in bags of 10.

Power Supply Capacity calculations for field cut lengths use 1.68 watts per module.

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