

SignBOX 3

LED illumination for single or double-sided sign boxes

Specifications

Part number	Strapped single-sided	6500 K 701946-6WSLS1
		5000 K 701946-5WSLS1
Strapped double-sided.....	6500 K 701946-6WDLS1	
	5000 K 701946-5WDLS1	
Module	6500 K 701946-6WSLT1	
	5000 K 701946-5WSLT1	

Dimensions L x W x H	Strapped single-sided/.....	137 mm x 47 mm x 8 mm
	Strapped double-sided	(5.4 in x 1.9 in x 0.3 in)
		60 modules per 18.3 m (60 ft) chain
Module		104 mm x 35 mm x 10 mm (4.1 in x 1.4 in x 0.4 in)

LEDs per side..... 8

Modules per meter (foot)... 3.3 (1)

Coverage per row 305 mm (12 in)

Optimal light throw..... 125 - 300 mm (5 - 12 in) from face

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

Protection class IP66 & IP68*

Binning..... MacAdam Ellipse

Life rating >60,000 hours

Power per module..... Strapped single-sided/ 1.92 W
Module
Strapped double-sided 3.84 W

Efficacy 156 lm/W

Fastening Strapped single and Clips with mechanical fasteners
strapped double-sided
Module Peel-n-stick

Packaging Strapped single..... 1 chain (60 modules) per carton,
and double-sided 40 clips included
Module 3 chains, 48 modules per chain

Color temperatures 6500 K, 5000 K

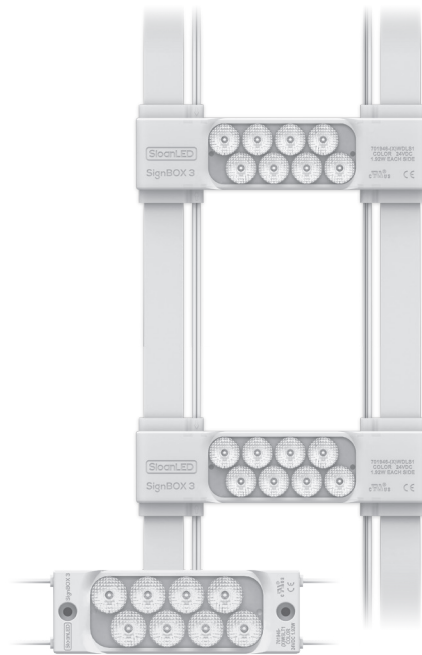
Lumens per module..... Strapped single-sided/..... 300
Module
Strapped double-sided 600

Mounting hardware Bracket Bag of 10 402107-10
Clip..... Bag of 20 402106-20
Coupler Bag of 10 402108-10

* 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.

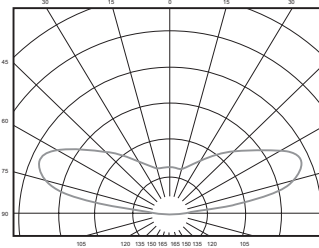


SignBOX™ 3 is covered by US and foreign patents pending.

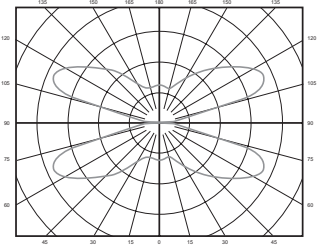


Luminous Intensity Distribution

Strapped single-sided / Module



Strapped double-sided



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Power Supply Capacity

24 VDC power supply	Maximum SignBOX 3 single-sided modules, or one leg of double-sided	Maximum SignBOX 3 double-sided modules, both legs
30 W Power Supply (EU/ROW ONLY)	14	7
60 W Power Supply	28	14
100 W Power Supply	48	24
150 W Power Supply (EU/ROW ONLY)	72	36
300 W Power Supply	3 × 48	3 × 24
Power used per meter/ foot in Watts	6.3 W / 1.92 W	12.6 W / 3.84 W

Accessories



Bracket
402107-10



Coupler
402108-10



Clip
402106-20
Each carton of SignBOX 3 comes with 40 clips

Density Guidelines

Model	Module color	Cabinet Depth	mm/inches on center	Watts per module
SignBOX 3 Strapped single-sided and SignBOX 3 Module	5000 K / 6500 K	127 mm (5")	305 mm / 12"	1.92 W
		203 mm (8")	305-406 mm / 12-16 ^{**}	
		305 mm (12")	406-508 mm / 16-20 ^{**}	
SignBOX 3 Strapped double-sided	5000 K / 6500 K	254 mm (10")	305 mm / 12"	3.84 W
		406 mm (16")	305-406 mm / 12-16 ^{**}	
		610 mm (24")	406-508 mm / 16-20 ^{**}	

^{**} Depending on level of brightness required

These guidelines are intended to provide only an approximation of SignBOX 3 product required for your cabinet, assuming an optimal balance of performance and cost. SloanLED is not responsible for the actual results based on the use of these guidelines.

Notes:

- 1) To minimize the potential for shadows/hot spots in applications when using frame support tubes/poles; mount modules or frame support tubes such that the tubes are centered in between modules and at a depth that will not directly interfere with the beam angle of the LEDs. Use SignComp Adjustable Frame Brace (P/N: 5357) or equivalent.
- 2) It is recommended that you first test the LED density in a sample cabinet to evaluate brightness, uniformity, and color.
- 3) Should you have questions or require assistance in testing, please contact your SloanLED customer service representative.
- 4) Products can be used in can depths deeper or shallower than listed above, but testing is recommended.
- 5) The acrylic material used for all testing was 4.8 mm (3/16") thickness sign grade 2447 acrylic.

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Visit product page for details.