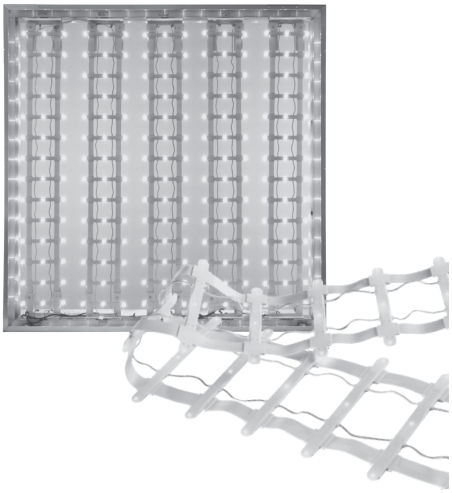
SignBOX II

LED illumination for single or double-sided sign boxes



Specifications

Part number..... Single-sided.....701946-6WS201
Double-sided.....701946-6WD201

Dimensions L × W × H..... 216 mm × 26 mm × 8 mm
60 modules per 6.1 m chain

Viewing angle..... 120°

LEDs per module..... Single-sided.....3
Double-sided.....6

Modules per meter..... 10

Coverage per row..... 300 mm

Optimal light throw..... 125 - 300 mm from face

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

Protection class..... IP66

Life rating..... >60,000 hours

Special feature..... Cuttable in 100 mm increments

Power per module..... Single-sided.....0.90 W
Double-sided.....1.80 W

Efficacy..... 117 lm/W

Fastening..... Clamps with mechanical fasteners

Packaging..... 60 modules per carton, 8 clamps included

Color temperature..... 6500 K

Lumens per module..... Single-sided.....105
Double-sided.....210

Mounting hardware..... Bracket.....Bag of 10 401309-10
Clamp.....Bag of 16 410155-16
Coupler .....Bag of 10 401330-10

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

Power Supply Capacity

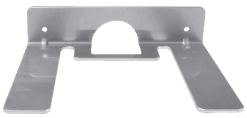
12 VDC Power supply*	Maximum modules single-sided or one leg of double-sided	Maximum modules double-sided, both legs
20 W Power Supply	20	10
25 W Power Supply (EU/ROW ONLY)	25	12
30 W Power Supply (EU/ROW ONLY)	30	15
60 W Power Supply	60	30
2 × 60 W Power Supply	60 × 2	30 × 2
2 × 75 W Power Supply (EU/ROW ONLY)	75 × 2	37 × 2
Power used per m in watts	8.9 W	17.7 W

* Configured for Class 2 Output.

NOTE: When mixing modules of different sizes/colors or various products on the same power supply, simply add all the power requirements for the respective footages of each product. Then choose appropriate power supplies to provide adequate power output. The actual number of power supplies needed may vary based on how the materials are distributed across the project.

Accessories

Clamp
410155-16
Each carton of SignBOX II comes with 8 clamps



Bracket
401309-10
Optional –
Sold in bags of 10.

Coupler
401330-10
Optional –
Sold in bags of 10.

Density Guidelines

Model	Cabinet depth	mm on center	Watts per module
SignBOX II Single-sided	127-305 mm	305 mm	0.90 W
SignBOX II Double-sided	254-610 mm	305 mm	1.80 W

These guidelines are intended to provide only an approximation of SignBOX II 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) All SignBOX II products have 10 modules per meter. Optimal mounting position for illumination is 203 mm from the face.
2) 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.
3) It is recommended that you first test the LED density in a sample cabinet to evaluate brightness, uniformity, and color.
4) Should you have questions or require assistance in testing, please contact your SloanLED customer service representative.
5) Products can be used in can depths deeper or shallower than listed above, but testing is recommended.
6) The acrylic material used for all testing was 4.8 mm thickness sign grade 2447 acrylic.

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