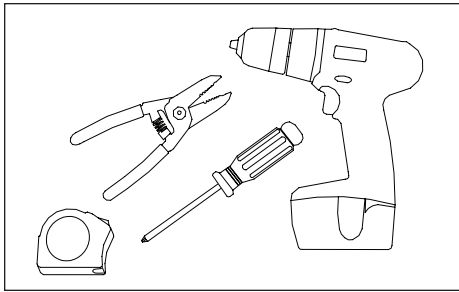
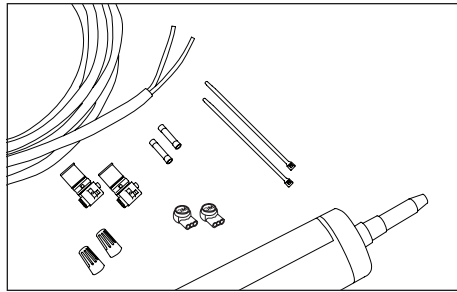


PosterBOX™ Slim

Installation Guide for 701946-6WXL P1 and 701946-5WXL P1



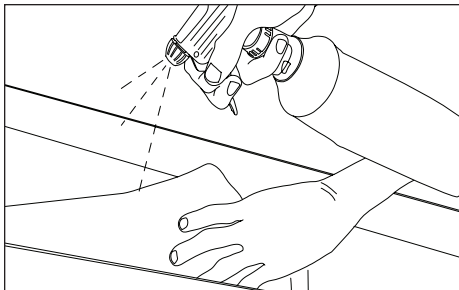
Tools: Required – Measuring tape, wire strippers, drill, and screwdriver.



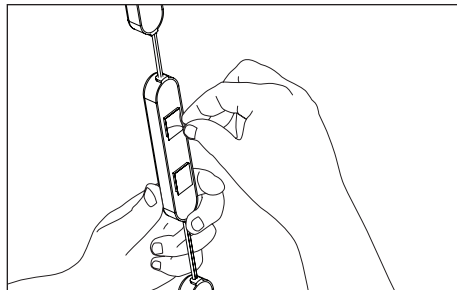
Supplies: Required – Wire nuts and IDC connectors or butt splices with appropriate safety agency markings. *Optional* – PLTC cable, cable ties, #8 (M4) pan head sheet metal screws or 1/2 in (4 mm) aluminum rivets and silicone.

Retrofits: For retrofits refer to installation guide 401265-RET. This guide can be found on the SloanLED website under technical info or contact your SloanLED Customer Service Representative.

NOTE: All materials removed must be disposed of in accordance with applicable local, state, and federal laws.



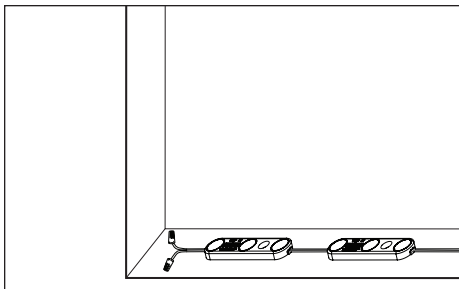
1. **Clean surface:** Clean inside of sign box with rubbing alcohol and allow to dry. Clean all mounting surfaces with alcohol for proper tape adhesion.



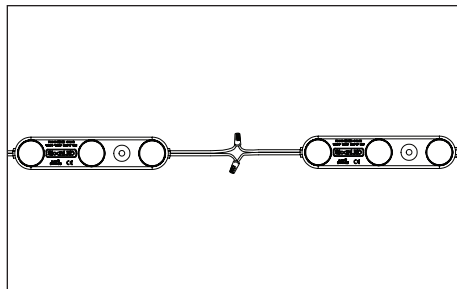
2. **Peel and stick:** Using provided double stick tape, mount PosterBOX™ Slim modules to sides of sign box.

Layouts:

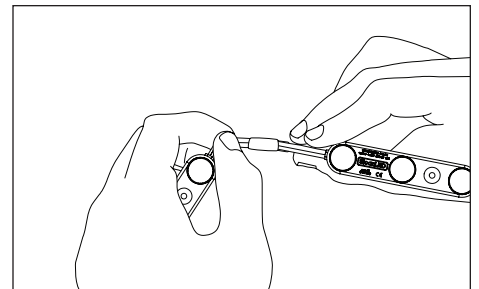
Mount PosterBOX™ Slim modules on return of both long sides of sign box. If brighter output is desired, mount on all four (4) sides. It's recommended to test LED density in a sample cabinet to evaluate brightness, uniformity, and color. If you have questions or require assistance in testing, please contact your SloanLED Customer Service Representative.



3. **Fasteners:** If desired, modules can be secured to sides of sign box using #8 (M4) pan head sheet metal screws or 1/2 in (4 mm) aluminum rivets. For best performance in a single-sided sign box, mount modules on returns, flush against rear wall of box. For a double-sided sign box, mount modules in center of returns.



4. **Connections:** Modules may be connected in series or parallel. Modules should not be looped to create a closed circuit. Cap all unused, exposed wire ends.

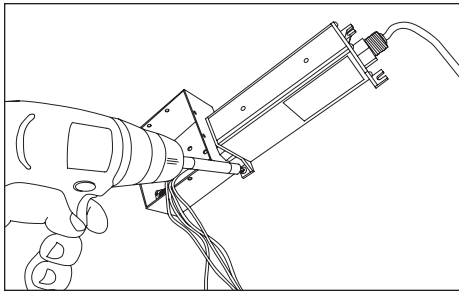


Extra wire for connections: Modules may be gently pulled apart to release extra wire for making connections.

WARNING: Check Polarity – All connections must be RED-TO-RED (+) and BLACK-TO-BLACK (-). Reverse polarity connections may damage the LEDs and will void product warranty.

PosterBOX™ Slim

Installation Guide for 701946-6WXP1 and 701946-5WXP1



5. **Connect to power supply:** See Power Supply Installation Guide for more information regarding power supply installation. **CAUTION!** Have a licensed electrician connect primary power.

12 VDC Power Supply Capacity Chart

Power output	Maximum modules
20 W	12
25 W (EU/ROW ONLY)	16
30 W (EU/ROW ONLY)	19
60 W	38
2 × 60 W	2 × 38
2 × 75 W* (EU/ROW ONLY)	2 × 47
100 W* (EU/ROW ONLY)	65
Power used per module in watts:	1.38 W

* Must split load at power supply output to prevent exceeding maximum wire/module ampacity of 5A per single leg.

Capacities based on 90% of power supply output.

NOTE: Refer to "*SloanLED Power Supply Guide for Sign Products*" for appropriate 12 V power supply models.

Scan QR code to download SloanLED Power Supply Guide for Sign Products



<https://sloanled.com/downloads/SloanLEDPowerSupplyGuideForSignProducts.pdf>

Extension of Power Supply Leads

If longer lead wire from power supply to LED modules is needed, an extension can be used. Extension should be kept as short as possible, i.e., under 15 ft for 18 AWG UL Listed PLTC (4,6 m for 1 mm² PLTC) or under 50 ft for 14 AWG UL Listed PLTC (15,2 m for 2,5 mm² PLTC).

Troubleshooting

NOTE: A licensed electrician should perform all applicable steps.

Entire box or leg does not light after complete installation.	Check connection from power supply lead to first module. Make sure polarity of connections made at the power supply lead—between modules and any jumper wire—is correct. All connections must be RED-to-RED and BLACK-to-BLACK.
Still does not light.	Check output voltage of power supply using a multimeter. The output voltage should be 12.0 VDC ± 0.5 VDC. If there is no output voltage, have a licensed electrician check input voltage. Make sure power supply is connected correctly and getting primary power. If power supply is connected properly and getting primary power and there is still no output voltage, try a different power supply.
Still does not light.	If power supply is getting primary power and the modules don't light, there may be a short in the secondary wiring. Check all connections and cap all loose wires.
The beginning of a leg lights, but the entire leg does not light or lights intermittently.	The primary cause of a portion of a PosterBox™ Slim leg not lighting or lighting intermittently is a bad connection or reverse polarity connection between the modules that light and the modules that don't light. Check this connection.
One module does not light, but all others in the leg light.	PosterBOX™ Slim is designed so if one module fails, it will not cause the entire sign or leg to go out. If one module does not light, but all others in the leg do, replace this module with a new one.

PosterBOX™ Slim is covered by CN200680037992.9, EP0890059, EP06812715.8, JP08-535482, NL1030161C2, US12089720 and patents pending.



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Green Signage

Customer service and technical support

SloanLED Headquarters

5725 Olivas Park Drive, Ventura, CA, USA
888.747.4LED (888.747.4533) • info@SloanLED.com

SloanLED.com

SloanLED Europe b.v.

Argonstraat 110, 2718 SN Zoetermeer, NL
+31 88 12 44 900 • Europe@SloanLED.com

