

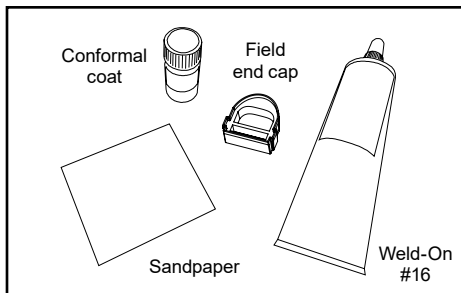
SloanLED LEDBlade

Installation Guide for 701994-6WA5X1

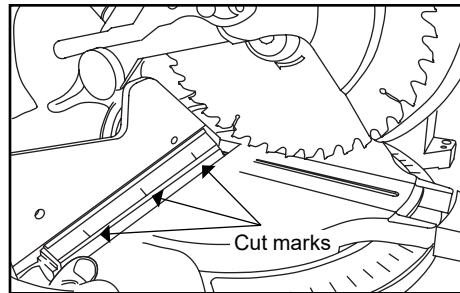
Field Cuts

WARNING: Failure to strictly follow these instructions may subject the installer or others to personal injury. Failure to strictly follow these instructions will also void the manufacturer's warranties and may cause risk of fire, product damage, damage to property and injury to persons. Please read all warnings contained below and follow all instructions carefully.

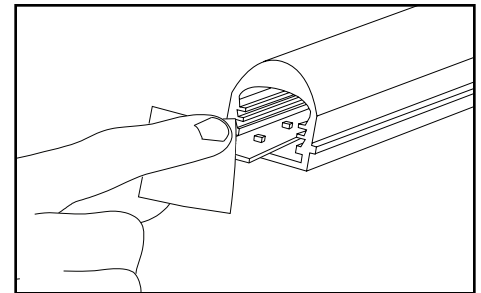
AVERTISSEMENT: Le non-respect strict de ces instructions peut exposer l'installateur ou d'autres personnes à des blessures corporelles. Le non-respect strict de ces instructions annulera également les garanties du fabricant et peut entraîner des risques d'incendie, de dommages au produit, de dommages matériels et de blessures. Veuillez lire tous les avertissements ci-dessous et suivre attentivement toutes les instructions.



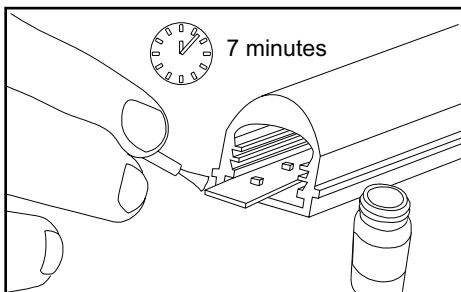
- 1. Gather materials:** Sandpaper, Weld-On #16, conformal coat for sealing edge of LED board (Humiseal 1B73 or Electrolube APL), and acrylic (field) end-cap.



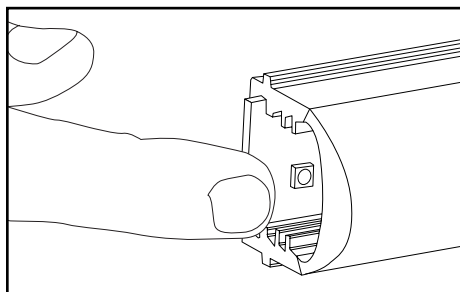
- 2. Cut SloanLED LEDBlade:** All SloanLED LEDBlade lengths can be cut in-field in 3.2" (81.5 mm) increments on cut marks. To cut a section, measure length from connector end to cut mark nearest required length. Use a power miter saw to ensure a straight 90° cut. Use a sharp blade to ensure a smooth clean cut.



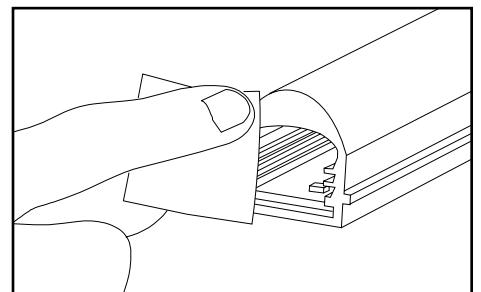
- 3. Deburr LED Board and Extrusion:** Gently pull LED board out of tube about 0.25" (6 mm). Deburr cut-end of LED Board and LEDBlade extrusion with enclosed sandpaper. Make sure to remove all debris from LED board and LEDBlade extrusion.



- 4. Seal end of LED board with conformal coat:** Brush conformal coat (Humiseal 1B73 or Electrolube APL) onto cut edge of LED board to seal from moisture. Allow to dry for 7 minutes. Do not apply conformal coat to cut edge of extrusion or end-cap.



- 5. Push PCB back into extrusion:** Press circuit board as far into tube as it will go.



- 6. Clean extrusion:** Ensure end of extrusion is clean and free of any foreign material.

WARNING: Avoid getting conformal coat on end of extrusion. Conformal coat will interfere with end-cap bond.

AVERTISSEMENT: Évitez d'appliquer une couche conforme à la fin de l'extrusion. Une couche conforme interférera avec l'adhérence du capuchon d'extrémité.

WARNING: It is important to follow and review the safety instructions and MSDS for Weld-On #16 solvent cement packaging and Humiseal 1B73 or Electrolube APL conformal coats. Follow all safety instructions on Weld-On #16 packaging.

Humiseal 1B73 MSDS available at <http://www.humiseal.com/>

Electrolube APL MSDS available at <https://electrolube.com/>

Weld-On #16 MSDS available at <http://www.ipscorp.com/>

AVERTISSEMENT: Il est important de suivre et de revoir les instructions de sécurité et la fiche signalétique pour les emballages de colle à solvant Weld-On # 16 et les couches conformes Humiseal 1B73 ou Electrolube APL. Suivez toutes les instructions de sécurité sur l'emballage Weld-On # 16.

Humiseal 1B73 MSDS disponible à <http://www.humiseal.com/>

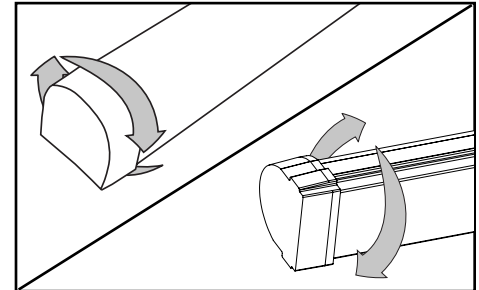
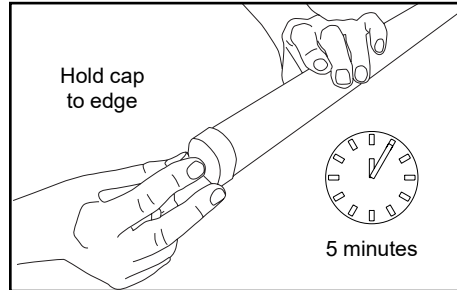
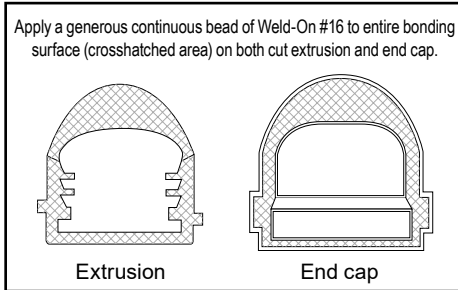
Electrolube APL MSDS disponible sur <https://electrolube.com/>

Weld-On # 16 MSDS disponible à <http://www.ipscorp.com/>

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7. **Apply Weld-On #16:** Apply Weld-On #16 in a generous continuous bead to both cut end of SloanLED LEDBlade extrusion and bonding surface on end-cap. See diagram above. Do not use silicone or other solvents/adhesives.

8. **Fit end-cap to cut edge:** After applying Weld-On #16, immediately press end-cap onto extrusion. Ensure end-cap is aligned, covers entire extrusion opening, and is completely seated against extrusion. Apply pressure to end-cap for 5 minutes. Strong tape can be used to maintain pressure on end-cap for curing period.

9. **Second bead of Weld-On #16**
Remove strong tape after the 5 minutes curing period. Apply a **generous continuous second bead** of Weld-On #16 around the entire seam where the end-cap is bonded to the extrusion.

WARNING: Field end-cap must create a water tight seal. All debris must be removed to promote a good end-cap bond and to avoid electrical failure. Use of other types of saws and/or use of a dull blade may lead to chipping or cracking of the extrusion or create a cut that cannot be sealed resulting in product failure. Ensure extrusion bonding surface is clean. Contaminants or any adhesive other than Weld-On #16 on this surface may lead to poor bonding, water ingress, and product failure. Product failures resulting from failure to strictly follow field cut instructions are not covered by any product warranty. **AVERTISSEMENT:** Le capuchon d'extrémité de champ doit créer un joint étanche à l'eau. Tous les débris doivent être enlevés pour favoriser une bonne liaison du capuchon d'extrémité et pour éviter les pannes électriques. L'utilisation d'autres types de scies et / ou l'utilisation d'une lame émoussée peut entraîner l'écaillage ou la fissuration de l'extrusion ou créer une coupure qui ne peut pas être scellée, entraînant une défaillance du produit. Assurez-vous que la surface de liaison par extrusion est propre. Des contaminants ou tout adhésif autre que Weld-On #16 sur cette surface peuvent entraîner une mauvaise adhérence, une infiltration d'eau et une défaillance du produit. Les défaillances du produit résultant du non-respect strict des instructions de coupe sur le terrain ne sont couvertes par aucune garantie du produit.

SAFETY WARNING: Failure of field end-cap to maintain a water tight seal may lead to water ingress and product failure. Product failures of this type could result in electrical shock and/or fire and damage to the product and materials which may come in contact with the product. Electrical shocks may cause injury. **AVERTISSEMENT DE SÉCURITÉ:** La défaillance du capuchon d'extrémité de champ pour maintenir un joint étanche à l'eau peut entraîner une infiltration d'eau et une défaillance du produit. Les défaillances de produit de ce type peuvent entraîner une décharge électrique et / ou un incendie et endommager le produit et les matériaux qui peuvent entrer en contact avec le produit. Les chocs électriques peuvent provoquer des blessures.

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24 VDC Power Supply Capacity Chart

Power output	Loading
30 W (EU/ROW ONLY)	–
60 W	One (1), 5-ft (1.5-m) SloanLED LEDBlade section
96 W	Three (3), 5-ft (1.5-m) SloanLED LEDBlade sections
3 x 96 W	3 x three (3), 5-ft (1.5-m) SloanLED LEDBlade sections
100 W	Three (3), 5-ft (1.5-m) SloanLED LEDBlade sections
150 W (EU/ROW ONLY)	Four (4), 5-ft (1.5-m) SloanLED LEDBlade sections

Capacities based on 90% of power supply output.

NOTE: Refer to "*SloanLED Power Supply Guide for Sign Products*" for appropriate 24 V power supply models.



<https://sloanled.com/PowerSupplyGuideForSignProducts>

Troubleshooting:

One complete length of SloanLED LEDBlade won't light.	Most likely a connector or connection problem. Check connections and voltage at connector. It could be a loose connection, wire, or connector.
More than one length of product does not light.	Most likely a connection problem. Check connections where product stops lighting. Another cause could be that power supply is overloaded and secondary output circuit protection is engaged. Check how many feet/meters of product are on each leg of power supply. Check output current of power supply.
One (1), 3.2" (81.5 mm) section is dark.	Problem inside product. Replace entire SloanLED LEDBlade unit. Call SloanLED for return and replacement instructions.
SloanLED LEDBlade is dim.	Power supply is most likely overloaded. Remove section of SloanLED LEDBlade until full brightness is achieved. Check output current of power supply.



Customer service and technical support

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