Millwork - Recessed Flange 90° Mounting Angle

OPTIQUE

Millwork - Recessed Flange - 90º Mounting Angle is a recessed luminaire crafted for precise integration into 1/4" wide by 3/8" deep milled slots on shelves, desks, and counters. Tailored for pressboard panels, including melamine-faced surfaces often used in kitchens and cabinetry, this profile offers both functionality and refined aesthetics. Its angled back ensures effortless installation, while the retention ridges inside the profile hold the light engine securely in place. The flanges provide a polished appearance by covering slot edges and masking any rough cuts or chipped edges, creating a seamless, professional result.

Important Information

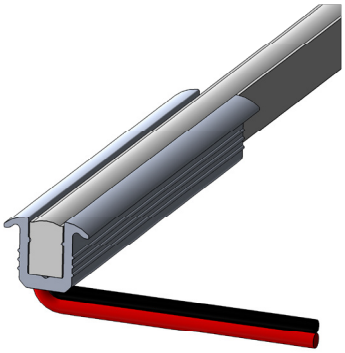
1. This product is intended to be mounted under shelving and cabinets.
2. This product requires a 24V DC Class 2 power supply.
3. Suitable for installation in the storage area of a clothes closet in the USA only.

Required Tools

- ROUTER
- 1/4" STRAIGHT ROUTER BIT

Supplied Components

The following items may vary according to the configuration, and will be provided as applicable.



Factory Pre Wired End Piece

Installation Recommendation

Should a squared recess be required, employ a chisel to pare the ends after routing. This will remove the radiused profile produced by the router bit, ensuring a tight, square, and precise fit.

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Option One:
Factory Pre Wired End Piece

01.

Position the 24V DC Class 2 power supply in a suitable location within 30 feet of the desired fixture location.

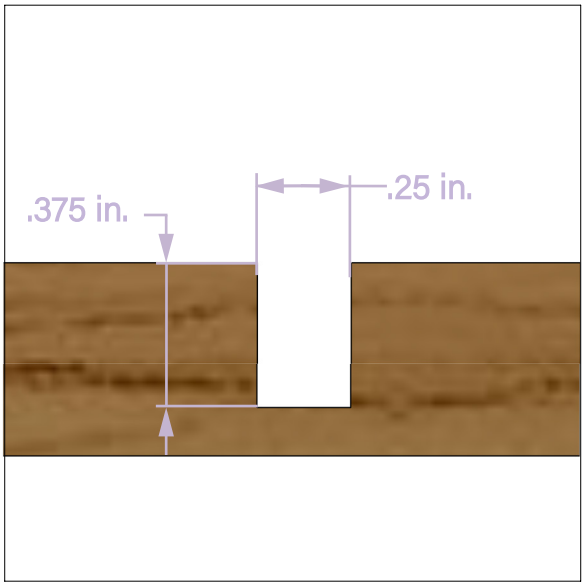
NOTE: Longer distances are acceptable when using a thicker 12 AWG wire.

02.

Bring 24V low-voltage in-wall rated wires to the desired fixture location.

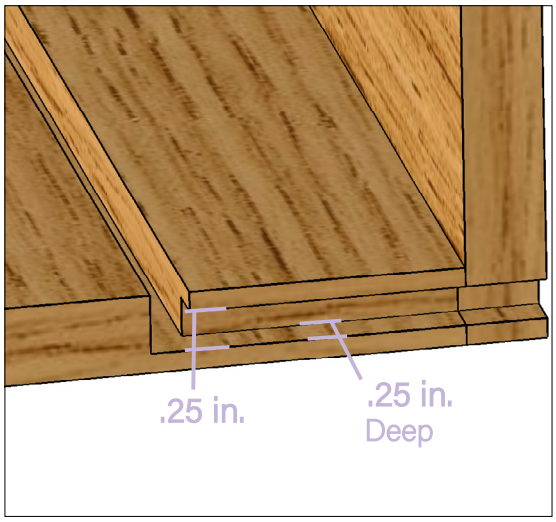
03.

Use a router bit to cut a 1/4in. wide by 3/8in. deep slot the length of your channel where you want it installed in the wood.



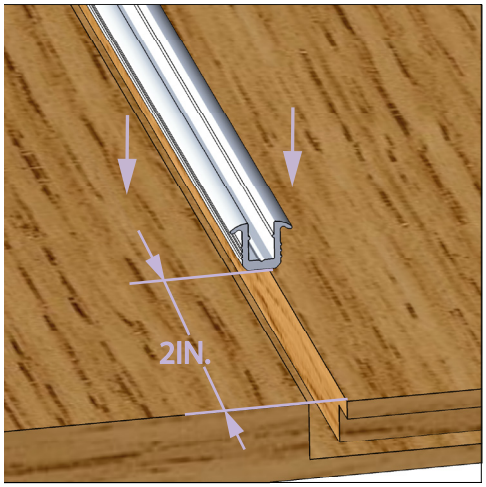
04.

Make square groove on the side of the wood in the desired position, long enough for the lead wire to pass through from the mounting location of the channel



05.

Insert the channel into the groove until flanges sit perfectly on the base. Leave 2 in. free space to install the factory pre wired end piece.



NOTE: Use wood-to-metal glue for a more secure bond.

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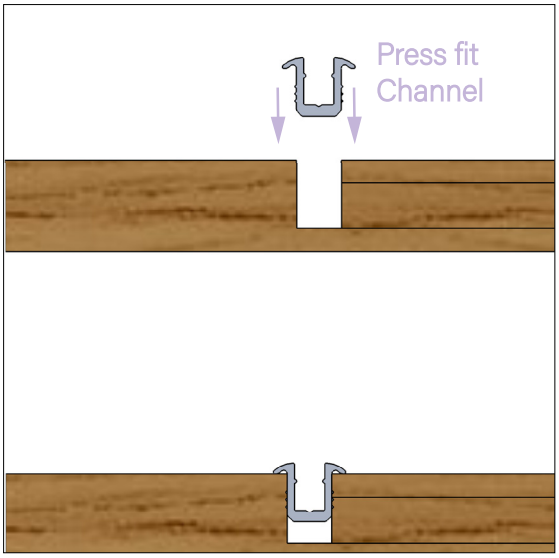
06.

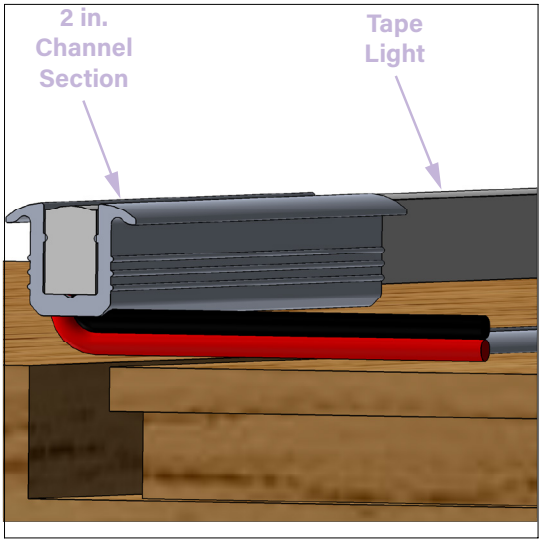
Make sure channel flanges sits evenly on the Surface.



NOTE: Use wood-to-metal glue for a more secure bond.

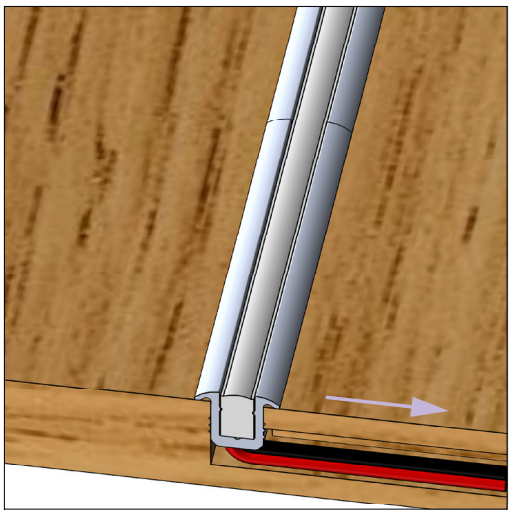
07.

Install the factory pre wired end piece and gently press the tape light into the channel. The side nubs inside the channel hold the tape in place.



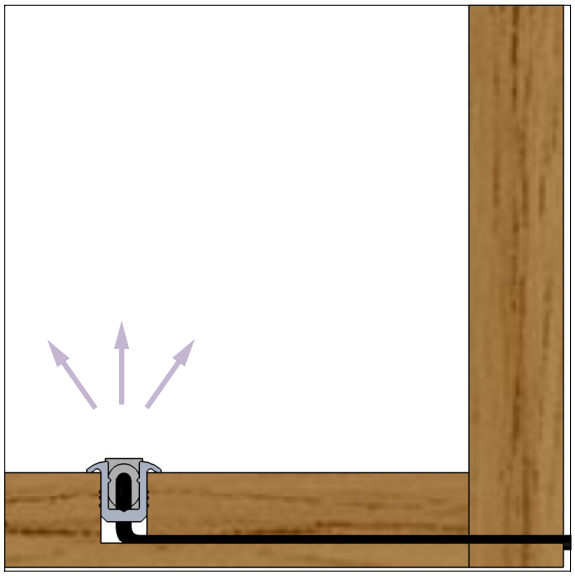
08.

Feed the tape light lead wire through the pre-cut groove. Connect LED tape lead to low-voltage in wall rated wires.



09.

Turn on lights to check the LED tape is working properly.



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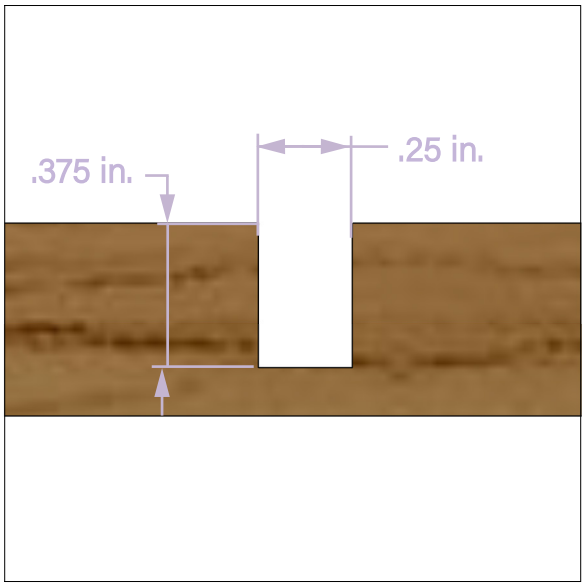
Option Two
Without factory pre wired end piece installation

01.
Position the 24V DC Class 2 power supply in a suitable location within 30 feet of the desired fixture location.

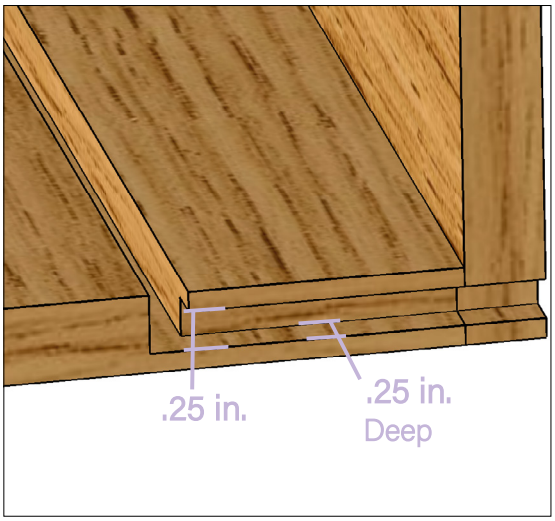
NOTE: Longer distances are acceptable when using a thicker 12 AWG wire.

02.
Bring 24V low-voltage in-wall rated wires to the desired fixture location.

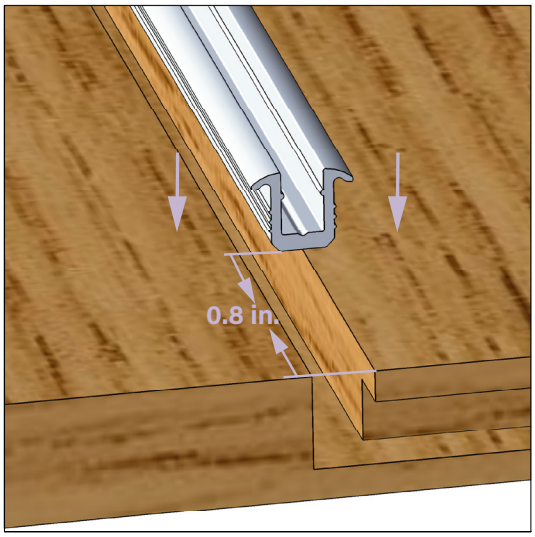
03.
Use a router bit to cut a 1/4in. wide by 3/8in. deep slot the length of your channel where you want it installed in the wood.



04.
Make square groove on the side of the wood in the desired position, long enough for the lead wire to pass through from the mounting location of the channel.



05.
Securely press the channel into the groove until flanges sits perfectly on the base. Leave 0.8 in. space for wire routing.



NOTE: Use wood-to-metal glue for a more secure bond.

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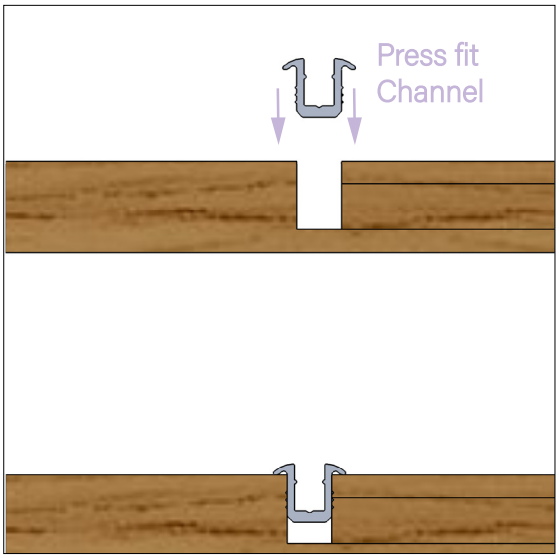
06.

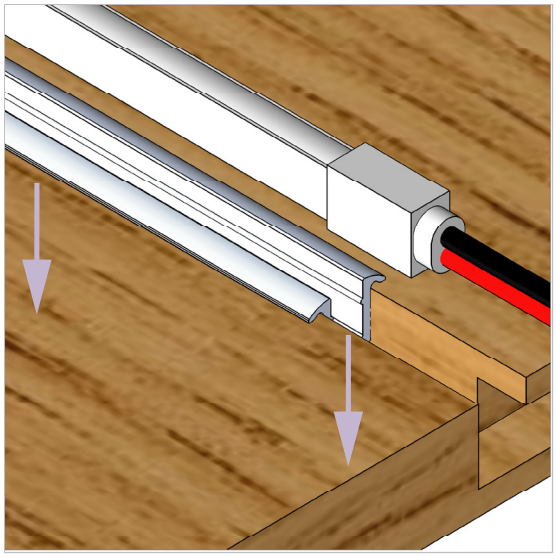
Make sure channel flanges sits evenly on the Surface.



NOTE: Use wood-to-metal glue for a more secure bond.

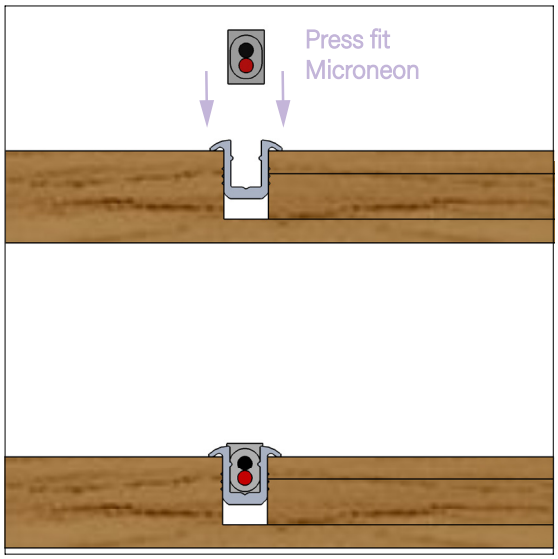
07.

Gently press Nano Neon into the channel. Retention ridges inside the channel will securely hold the tape in place.



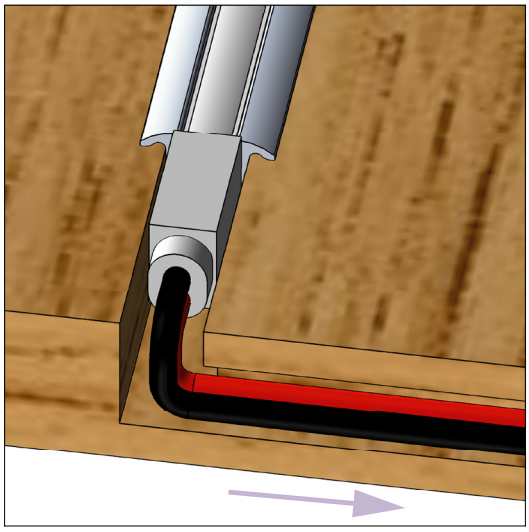
08.

Make sure LED tape perfectly sit at the bottom of the channel cavity.



09.

Feed the tape light lead wire through the pre-cut square groove. Connect LED tape lead to low-voltage in wall rated wires.



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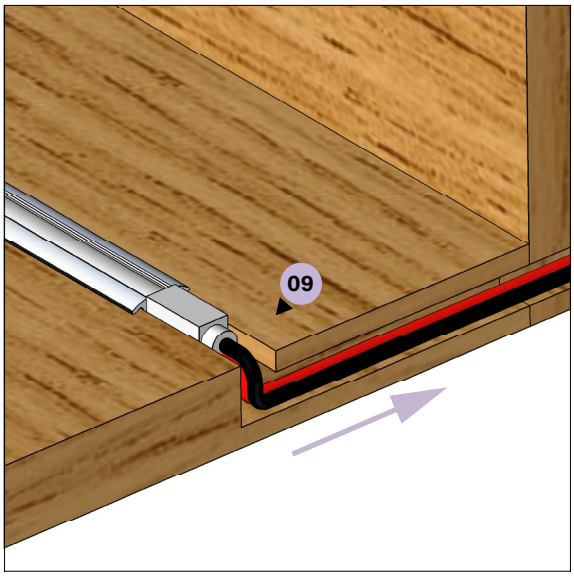

10.

Turn on lights to check the LED tape is working properly.