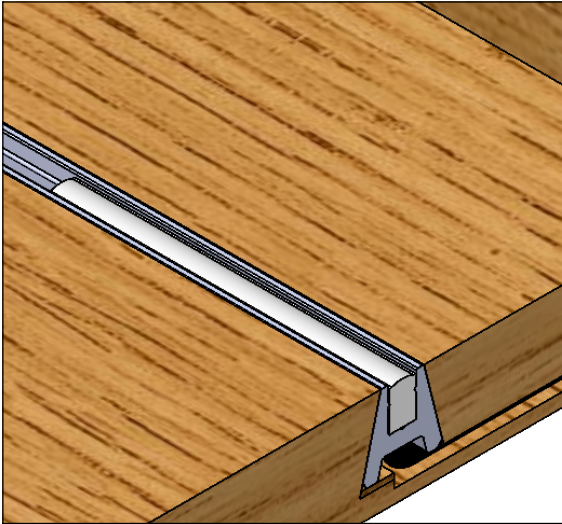


Millwork - Recessed Dovetail - 1/2 in. x 14° Router Bit



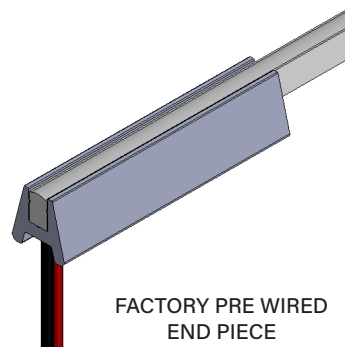
Millwork - Recessed - Dovetail - 1/2 in. x 14° Router Bit provides a precise, slide-in solution for dovetail slots, eliminating the need for adhesives or press-fit installation. Designed for millwork, cabinetry, and custom furniture, it ensures effortless integration. A notched drill guide allows for easy power access, while internal retention ridges securely hold the light engine in place for a seamless, professional finish.

Required Tools

- ROUTER
- DOVETAIL 1/2" X 14 ° ROUTER BIT

Supplied Components

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



FACTORY PRE WIRED
END PIECE

Important Information

1. This product is intended to be mounted to illuminate shelves, counters, and desks.
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.

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.

Millwork - Recessed Dovetail - 1/2 in. x 14° Router Bit

✂ Factory pre wired end piece Installation steps

01.

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

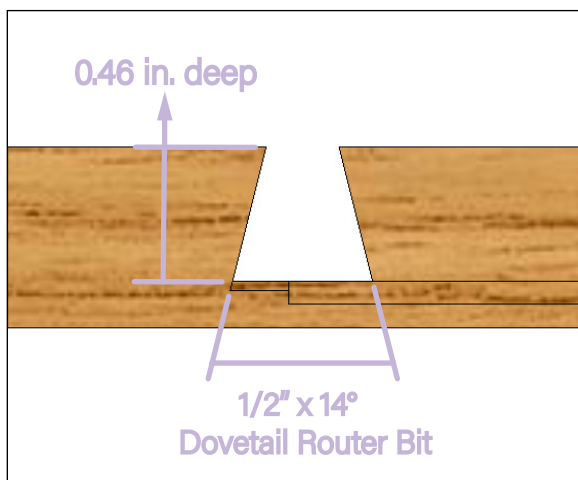
NOTE: Longer distances are acceptable when using a thicker 12 AWG wire.

02.

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

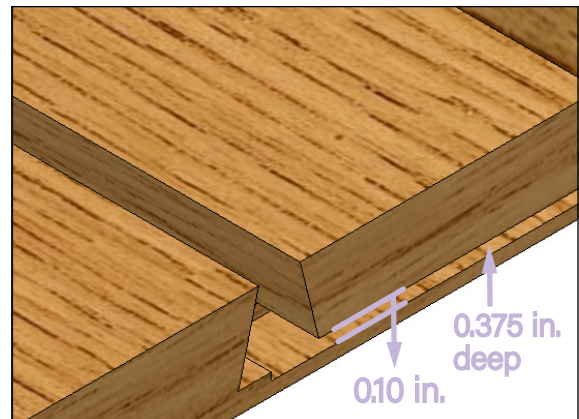
03.

Use a dovetail router bit to cut a slot in the wood. Match the length of the slot to the length of the fixture and power connection, where you want it installed.



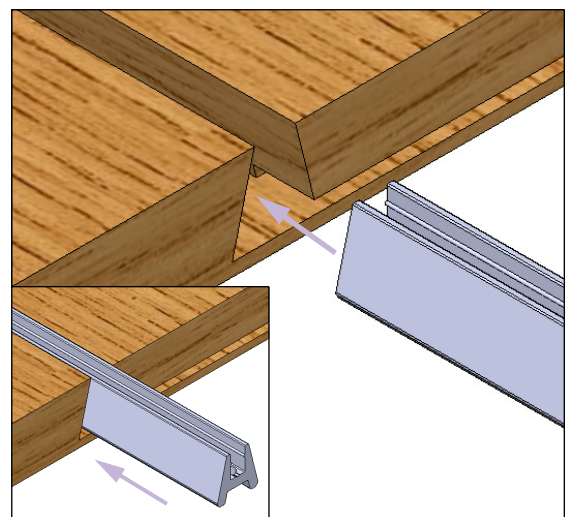
04.

Route an opening on the edge of the wood from where you want to mount the channel to the end of the shelf large enough for lead wires to pass through.



05.

Insert the channel into the dovetail slot, ensuring it aligns with the mounting slot.

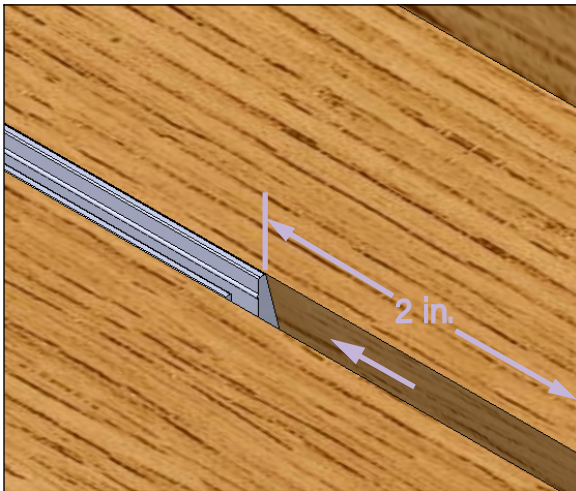


NOTE: Use wood-to-metal glue for a more secure bond.

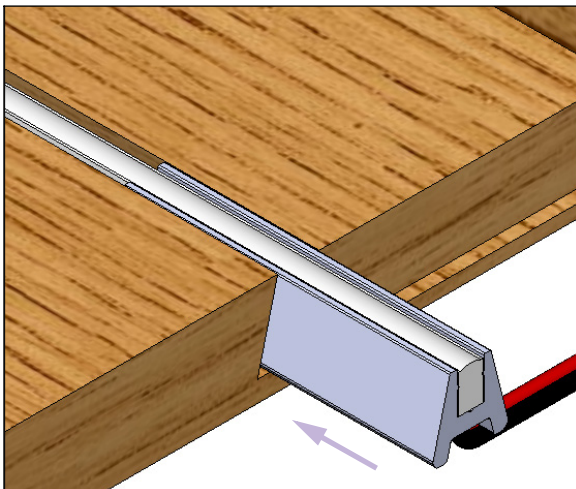
Millwork - Recessed Dovetail - 1/2 in. x 14° Router Bit

06.

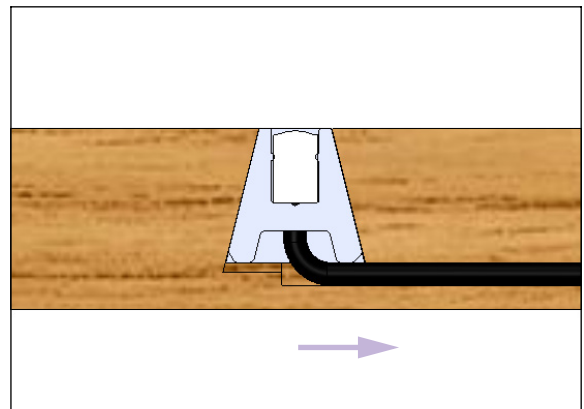
Place the channel, ensuring it is installed 2 in. from the side edge.

**07.**

Install the factory pre wired end piece, and gently press the Nano Neon into the channel. The retention ridges inside the channel hold the tape in place.

**08.**

Feed the tape light lead wire through the pre-cut hole and connect it to the low-voltage in-wall rated wires.



Millwork - Recessed Dovetail - 1/2 in. x 14° Router Bit

✂ Without factory pre wired end piece
Installation steps

01.

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

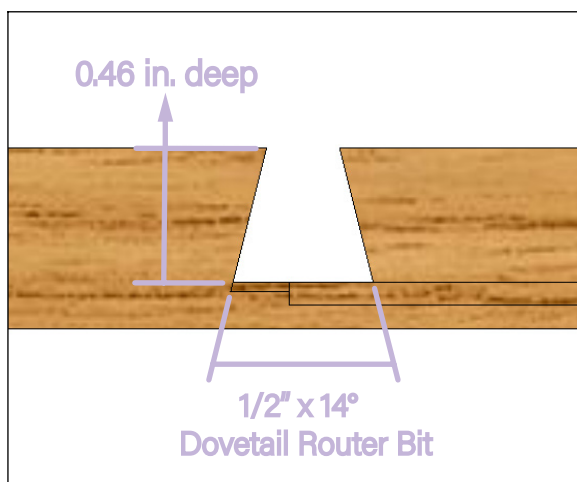
NOTE: Longer distances are acceptable when using a thicker 12 AWG wire.

02.

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

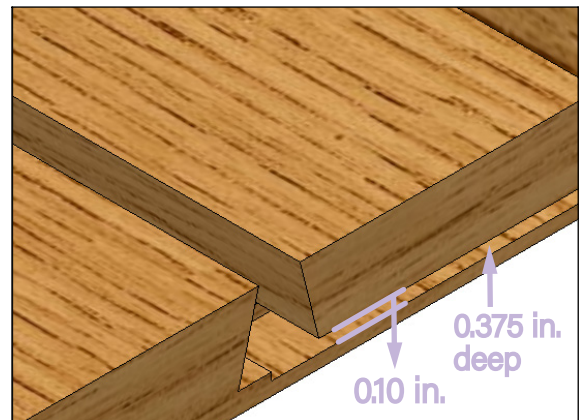
03.

Use a dovetail router bit to cut a slot in the wood. Match the length of the slot to the length of the fixture and power connection, where you want it installed.



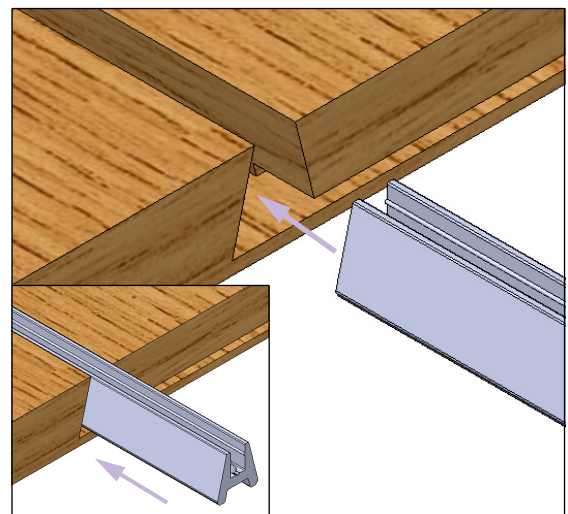
04.

Route an opening on the edge of the wood from where you want to mount the channel to the end of the shelf large enough for lead wires to pass through.



05.

Insert the channel into the dovetail slot, ensuring it aligns with the mounting slot.

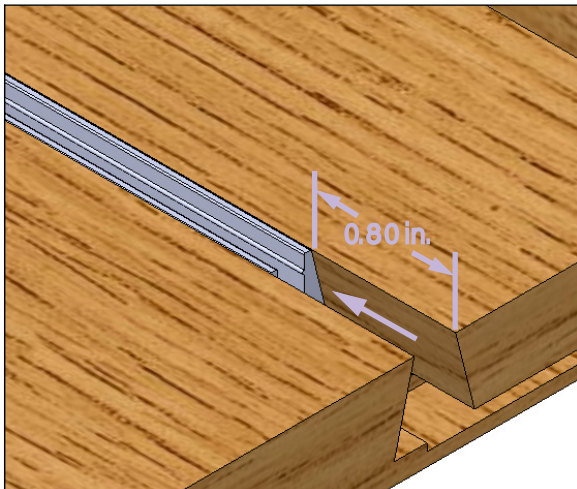


NOTE: Use wood-to-metal glue for a more secure bond.

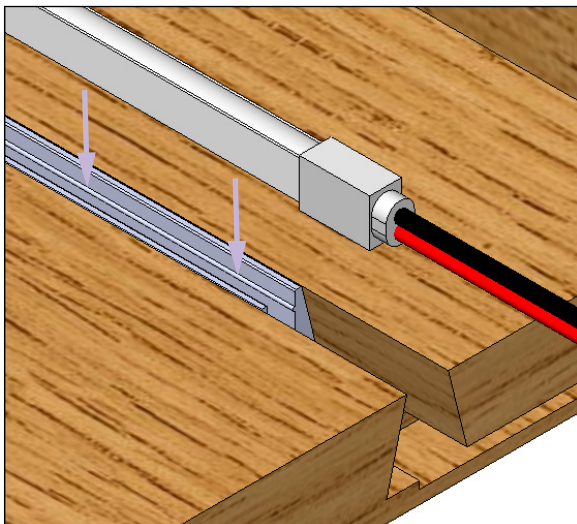
Millwork - Recessed Dovetail - 1/2 in. x 14° Router Bit

06.

Place the channel, ensuring it is installed 0.8 in. from the side edge.

**07.**

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

**08.**

Feed the tape light lead wire through the pre-cut hole and connect it to the low-voltage in-wall rated wires.

