

SLC-098KE

Diffusion LED Channel



Safety Instruction and Warning

WARNING:

READ CAREFULLY BEFORE INSTALLING.

Installation should only be performed by a qualified electrician in accordance with NEC and all applicable local building codes.

Risk of fire or electric shock. Fixture installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

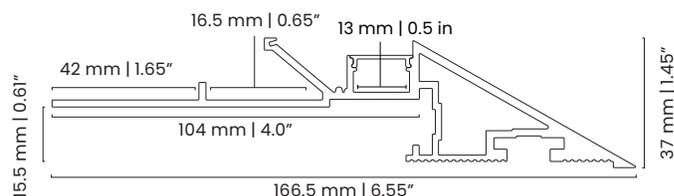
Ensure that electrical power is turned OFF before and during installation or maintenance.

Fixtures must be connected to a wiring system that includes an equipment-grounding conductor.

Ensure that the supply voltage matches the rated voltage of the luminaire fixture.

Wear gloves and safety glasses at all times when removing the luminaire from the carton, installing, servicing, or performing maintenance.

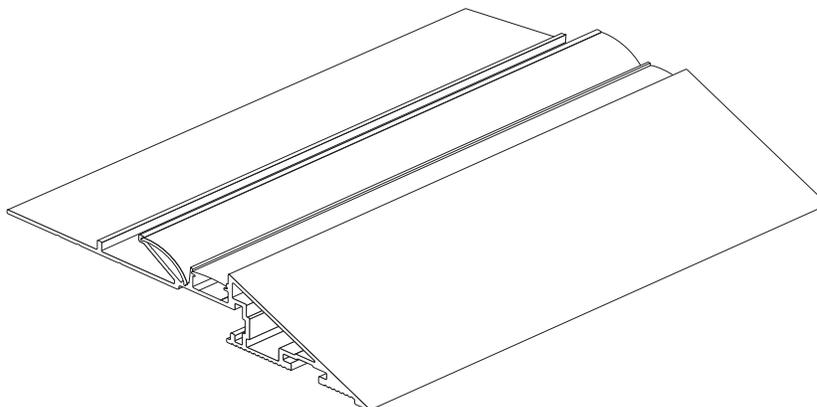
Diagram



Description

Diffusion SLC-098KE is an Anodized aluminum LED extrusion knife edge profile (Joiners & acrylic lenses sold separately).

Shop Drawing

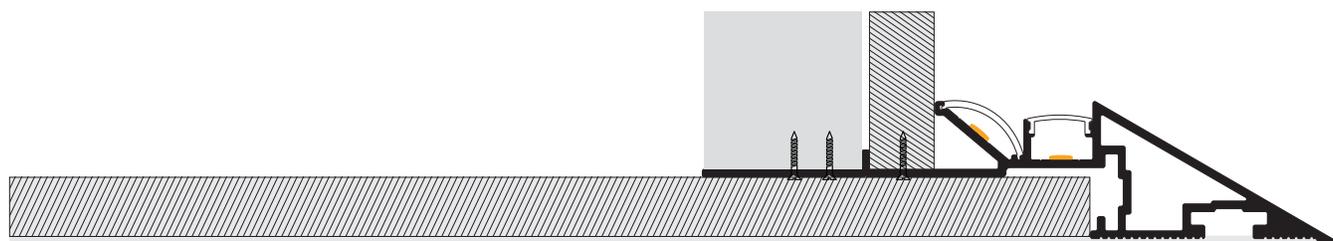


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Installation Types



Recess/Flush Mount

Notes:

If installing outside, seal the hole where the power feed exits the fixture with silicone

Fixture should be built and installed based on the lengths of ribbon and power feed locations

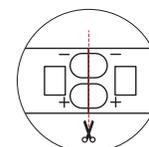
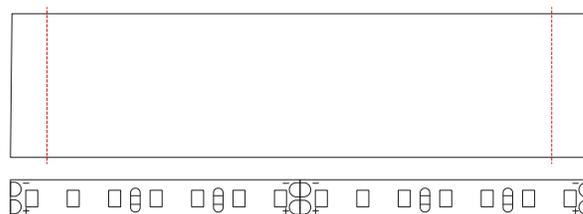
Step 1

Instruction (Surface Mount, Less than 8ft)

Determine the desired length for your ribbon and channel.

For the best results, cut the channel and lens together to ensure they are aligned and equal in length.

If a corner is needed, cut angles into the ends of the channel (e.g., two 45-degree cuts to create a 90-degree turn).



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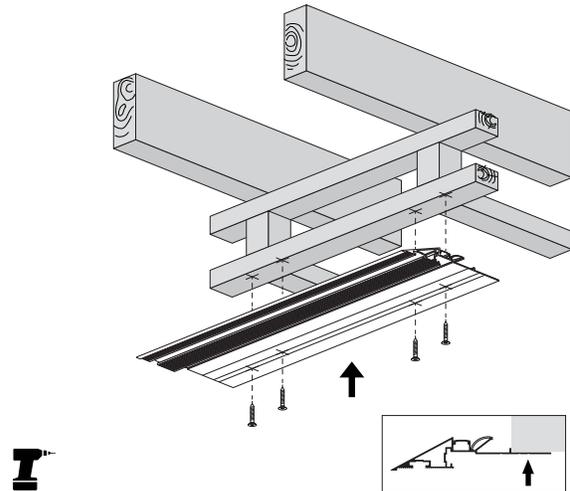
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Step 2

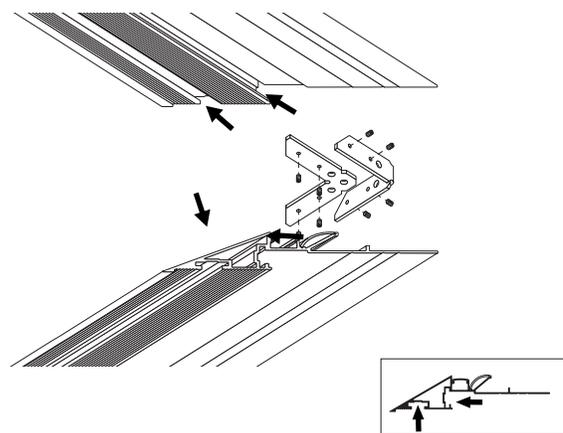
Predrill alternating countersunk holes in the two innermost guiding grooves of the profile.

Then, install the channel onto your desired surface (like a soffit) using screws appropriate for the material you're fastening to. Make sure to maintain straight lines and proper lengths during installation.



Step 3

For corner installations, insert Joiners into the joiner channels and secure them with the set screws.



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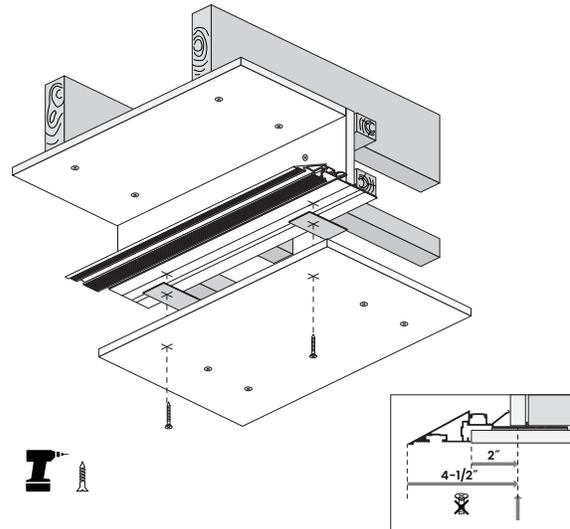
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Step 4

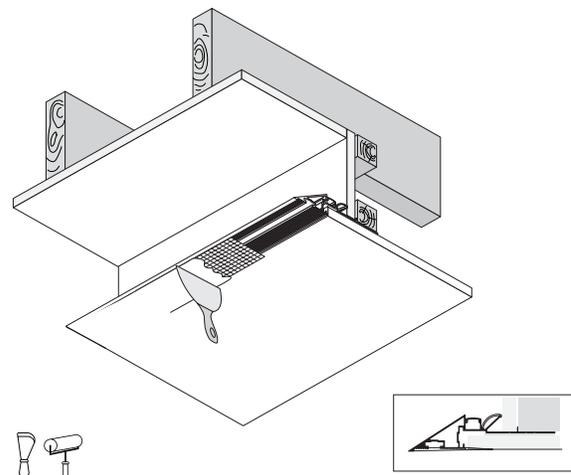
Install 1/2" drywall or wood panels over part of channel to be hidden, butting up against part of channel to be visible.

For the lower panel, keep a screw clearance of 4-1/2" (115mm) from the profile edge, or 2" (50mm) from the panel edge to avoid damaging ribbon on the other side of channel.



Step 5

Finish the trim using drywall mud, veneer, or other suitable options.



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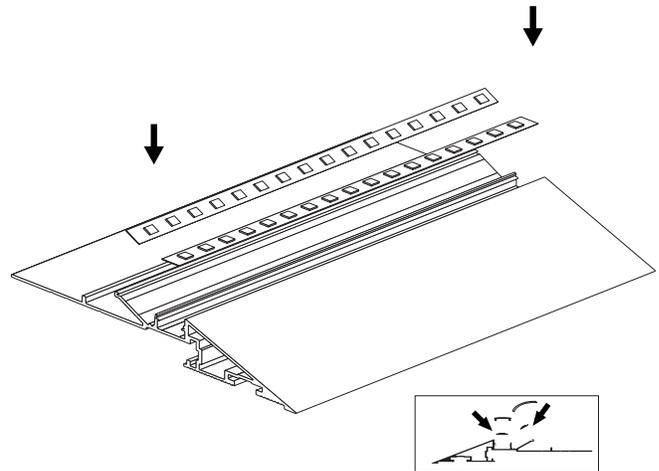
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Step 6

Install ribbon using pre-cut pieces or adaptors, ensuring power feed is at the appropriate end. Peel off the 3M double-sided tape and stick it to the inside of the channel.

If using outdoor ribbon, use silicone or construction adhesive to adhere to the channel.



Step 7

Test the fixture to confirm proper operation. Once tested, carefully install the lens by snapping it into place, starting from one end and working down the length of the fixture.

Finished!

