

# SLC-098KE

## Diffusion LED Channel

### Safety Instruction and Warning

WARNING:

#### READ CAREFULLY BEFORE INSTALLING.

Installation should only be conducted by a qualified electrician in accordance with NEC and any relevant 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.

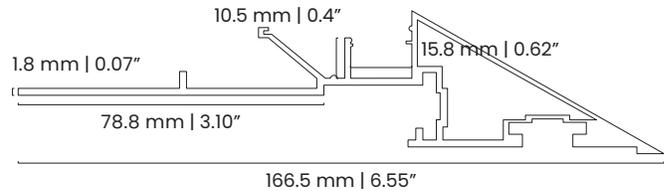
Be certain electrical power is OFF before and during installation and maintenance.

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

Make sure the supply voltage is the same as the rated luminaire Fixtures voltage.

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

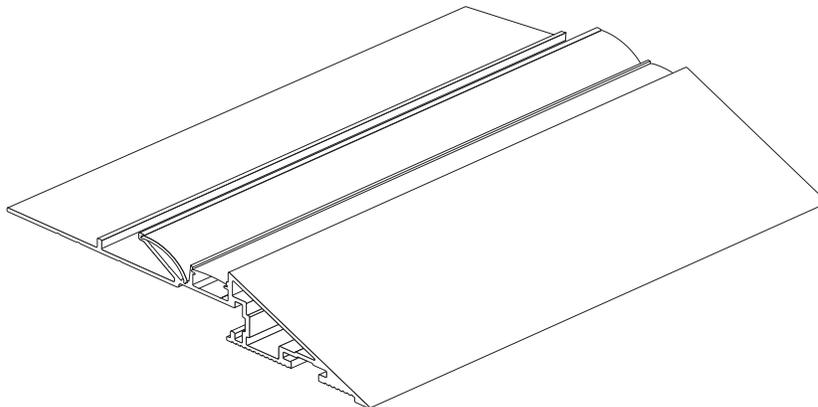
### Diagram



### Description

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

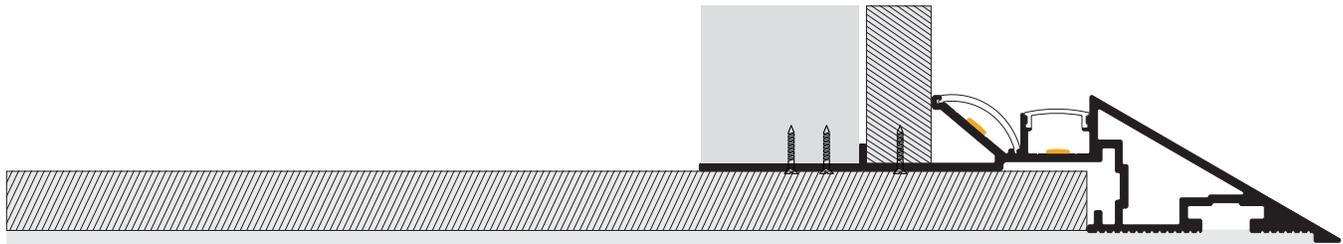
### Shop Drawing



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### Installation Types



Recess/Flush Mount

Notes:

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

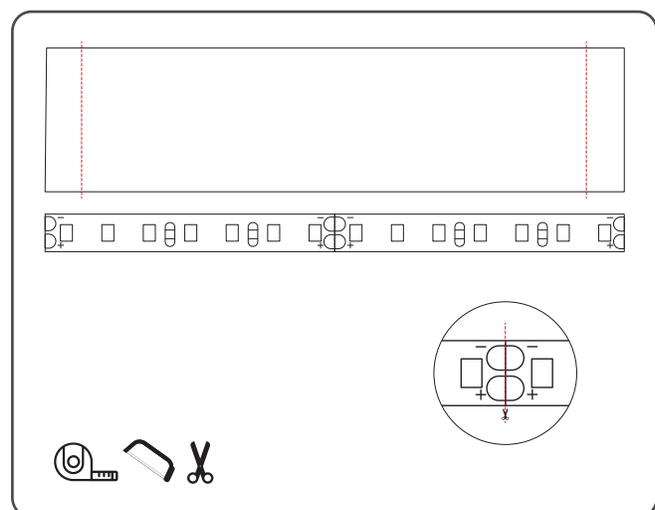
**\*\*Fixture should be built and installed based around the lengths of ribbon and power feed locations\*\***

### Step 1

Determine ribbon length and channel length, cutting to desired lengths as required.

You can cut channel and lens at the same time to ensure they line up and are the same length.

Cut angles into ends of channel if required. (Such as 45 degrees on two ends to make a 90 degree turn).

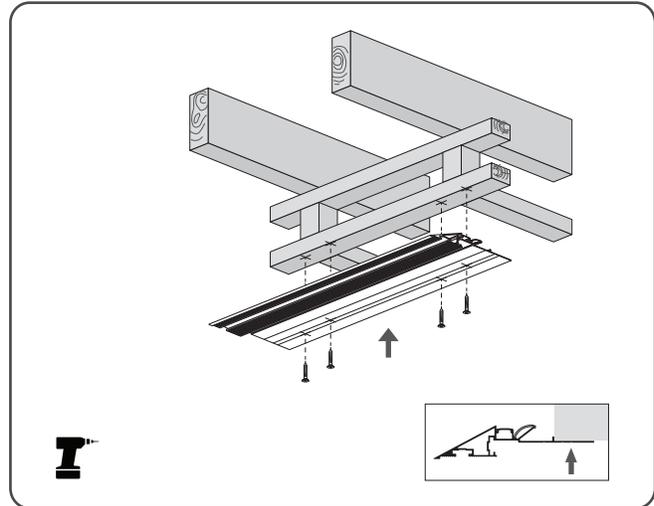


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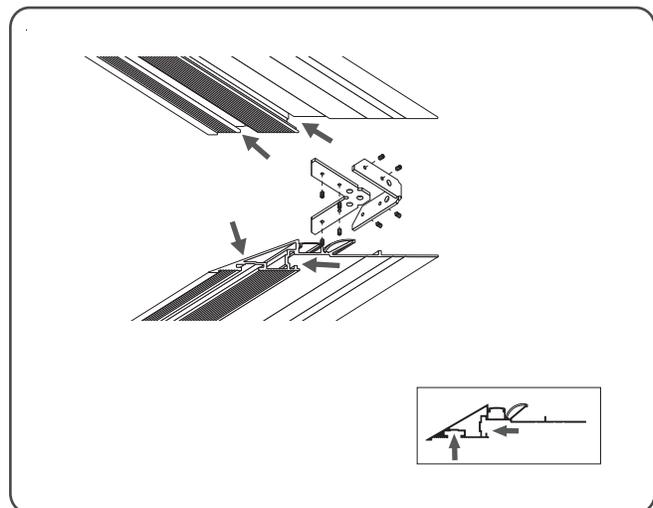
### Step 2

Predrill countersunk alternating holes in the innermost two guiding grooves of the profile, then install channel onto desired surface such as a soffit using screws designed for whatever material you are fastening to, ensuring straight lines and proper lengths.



### Step 3

For an installation with corners, insert Joiners into the joiner channels, then secure with set screws.



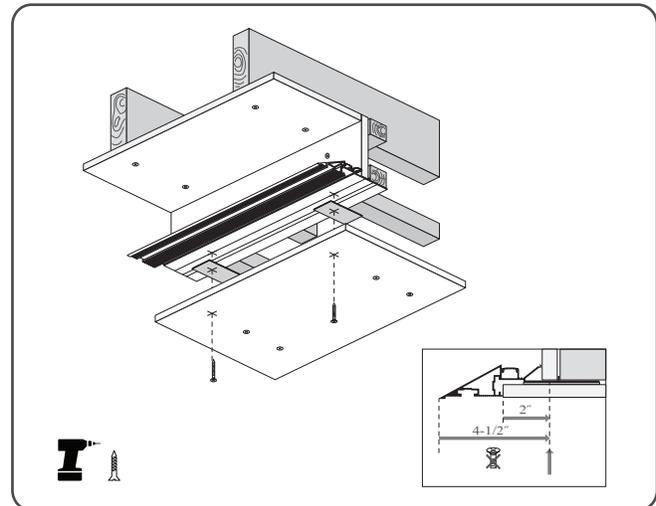
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### Step 4

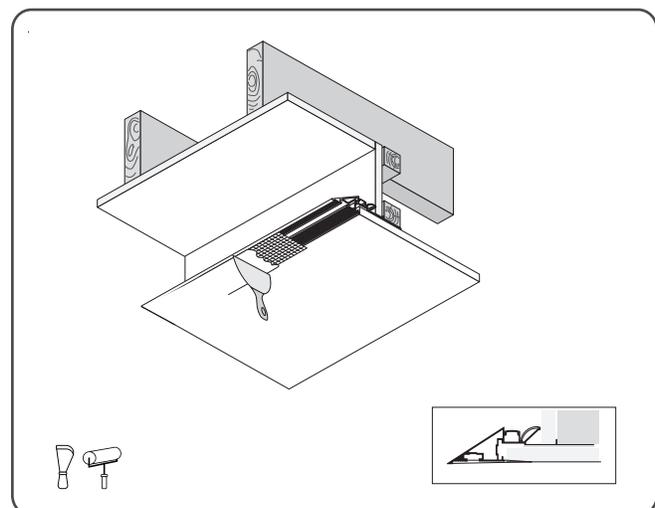
Install 1/2" drywall or wood panels over part of channel to be hidden, butting up against part of channel to be visible.

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 trim with either drywall mud, veneer, or other options.



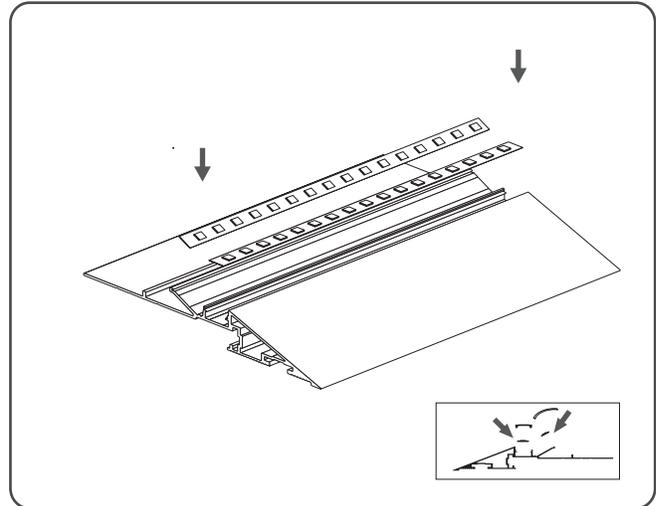
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### Step 6

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

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



### Step 7

Test and carefully install lens by snapping into place, starting at one end and working down the length of the fixture.

