

# SLC-003R

## 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.

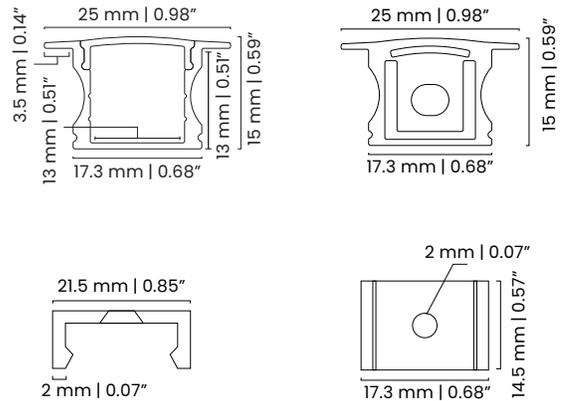
Ensure that electrical power is turned OFF before and during installation or maintenance.

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.

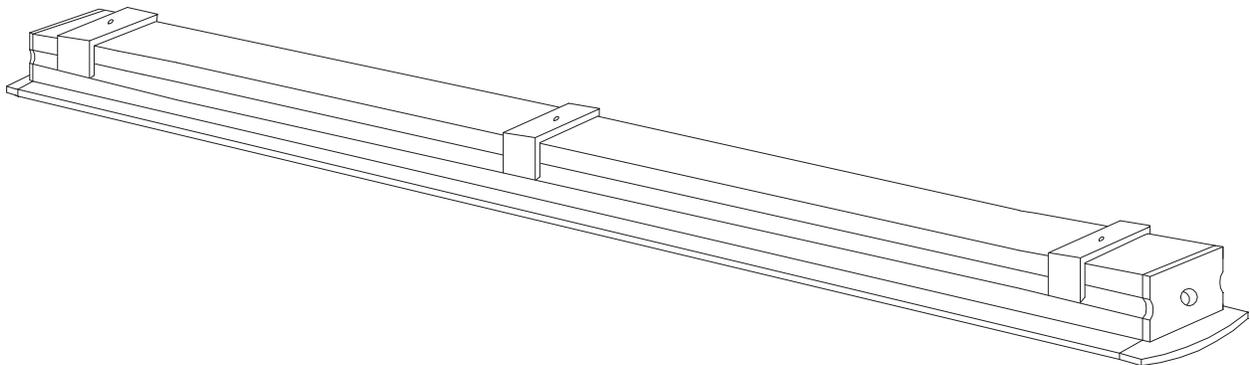
### Diagram



### Description

Diffusion SLC-003R is a Recessed, anodized aluminum LED extrusion that comes complete with three clear mounting clips, two endcaps, and an opal polycarbonate lens.

### Shop Drawing

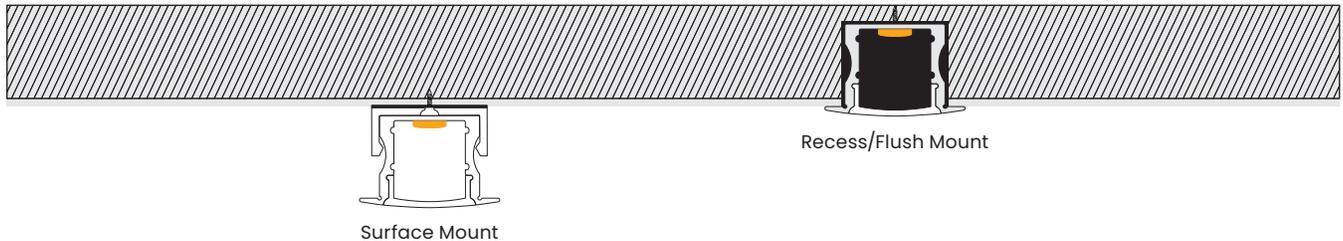


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### Installation Types



**Notes:**

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

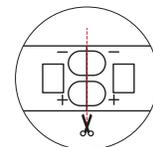
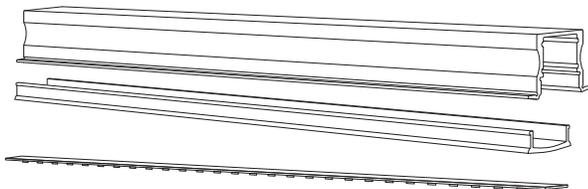
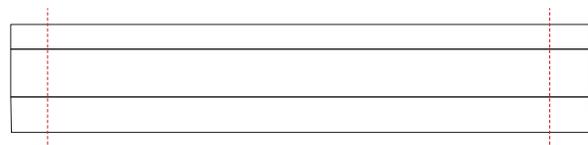
### Step 1

#### 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.

For fixture length that is more than 8 feet and/or recess application refer to Page 5



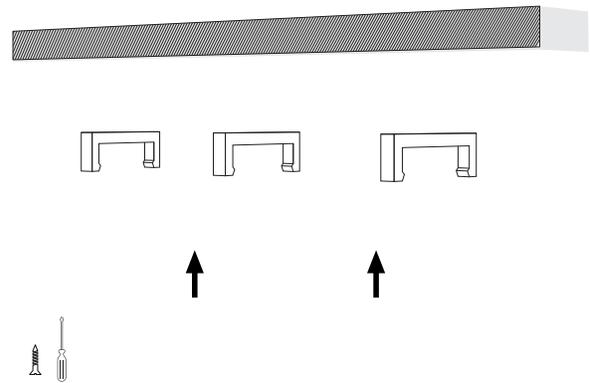
# SLC-003R

## Diffusion LED Channel



### Step 2

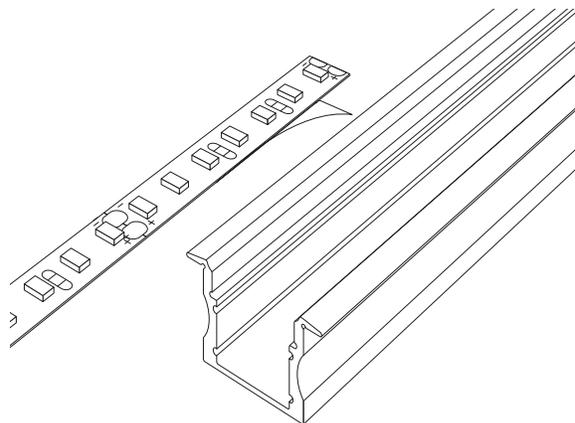
Install mounting clips on the desired surface in a straight line. Ensuring straight lines using a laser, chalk line, or jig.



### Step 3

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.



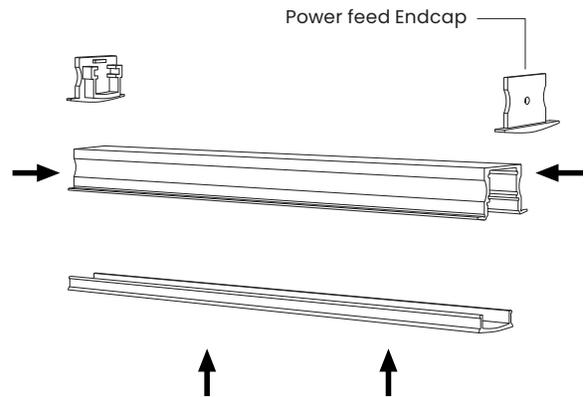
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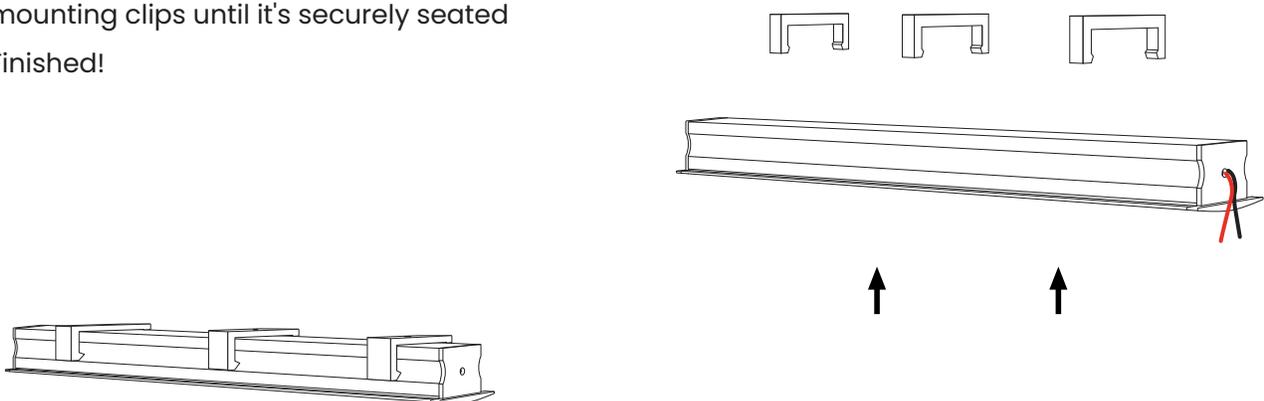
### Step 4

Securely install the lens and endcaps, making sure they fit snugly and fully engage with the channel.



### Step 5

Snap the finished fixture firmly into the mounting clips until it's securely seated  
Finished!



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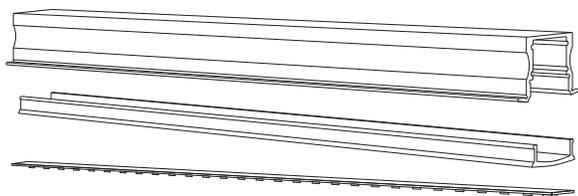


### Step 1

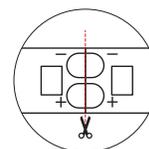
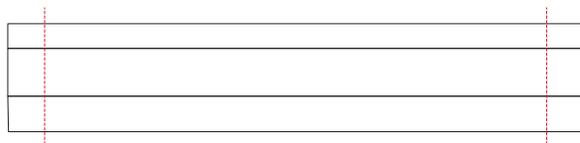
Determine ribbon length and channel length, cutting to desired lengths as required.

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

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



#### Instruction (Recess/ Flush Mount, More than 8ft)

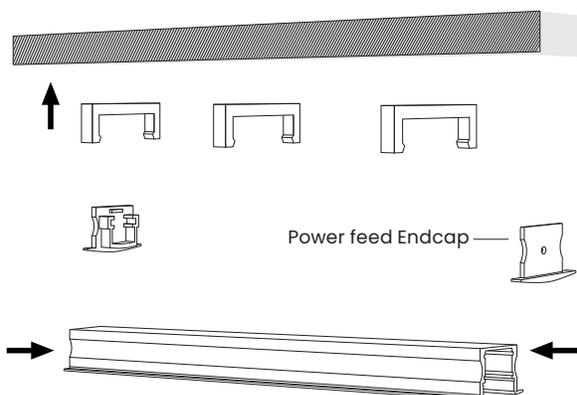


### Step 2

If surface mounted and more than 8 feet, install mounting clips with 3 clips per 8-foot length of the channel (6 inches from the ends of the channel and 3.5 feet in between clips recommended). Ensuring straight lines using a laser, chalk line, or jig.

Install endcaps, making sure the power feed endcap is at the appropriate end.

Install channel pieces, making sure the run is straight with seams, edges, and joints lining up tightly.



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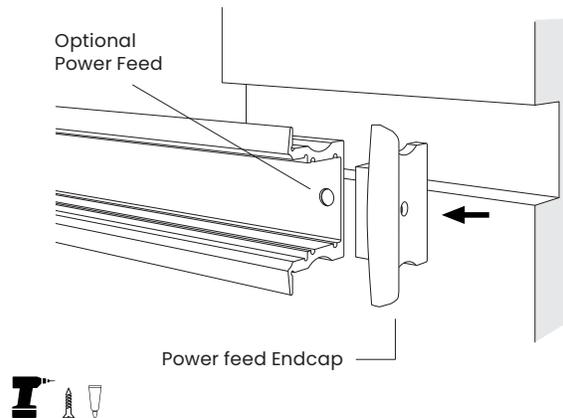
### Step 3

For recess application or flush mount use construction adhesive or pre-drilled countersunk holes and screws.

If feeding power from the bottom of the fixture, drill a hole in the desired location prior to installing the ribbon.

Install endcaps, making sure the power feed endcap is at the appropriate end.

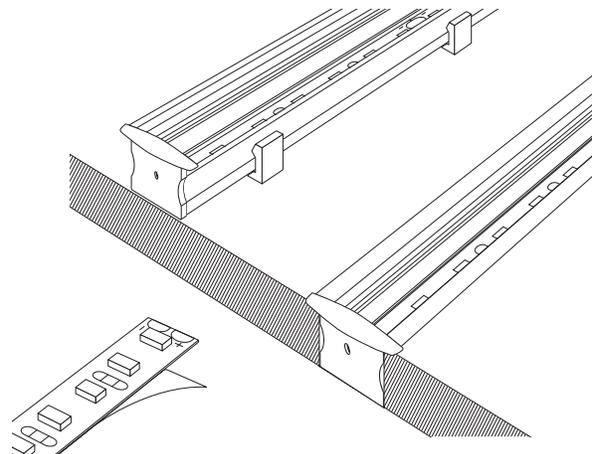
Install the channel, making sure the run is straight with seams edges, and joints lining up tightly.



### Step 4

Install ribbon using pre-cut pieces and/or adaptors, ensuring the power feed is at the 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.



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### Step 5

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

Finished!

