

SLC-003R

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.

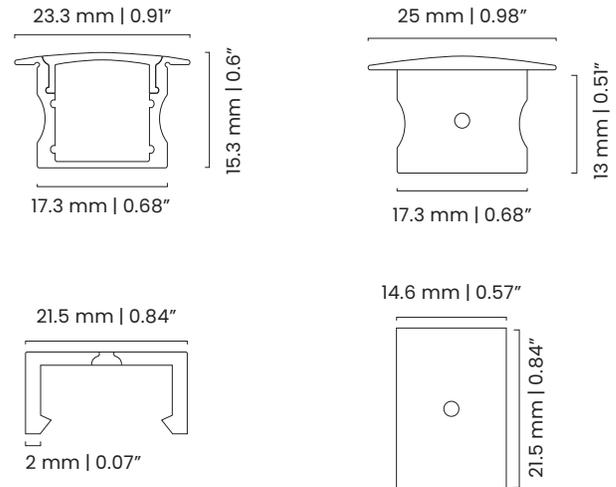
Be certain electrical power is OFF before and during installation and maintenance.

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.

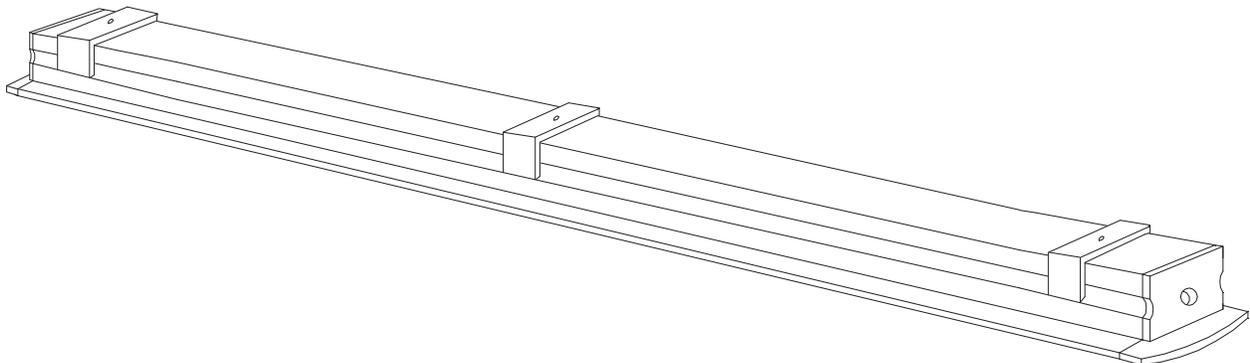
Diagram



Description

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

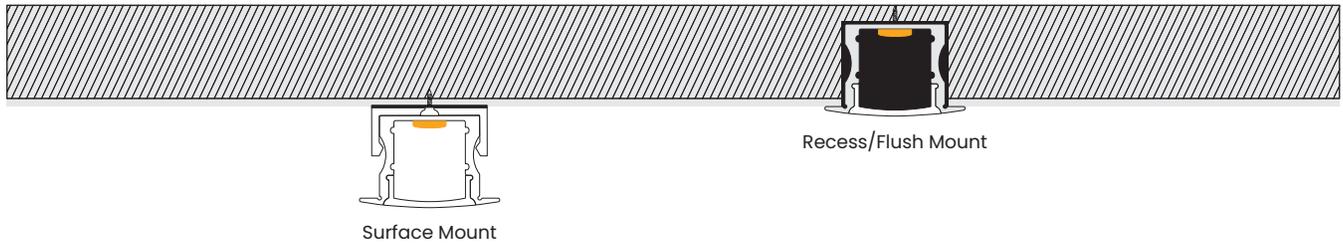
Shop Drawing



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Installation Types



Notes:

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

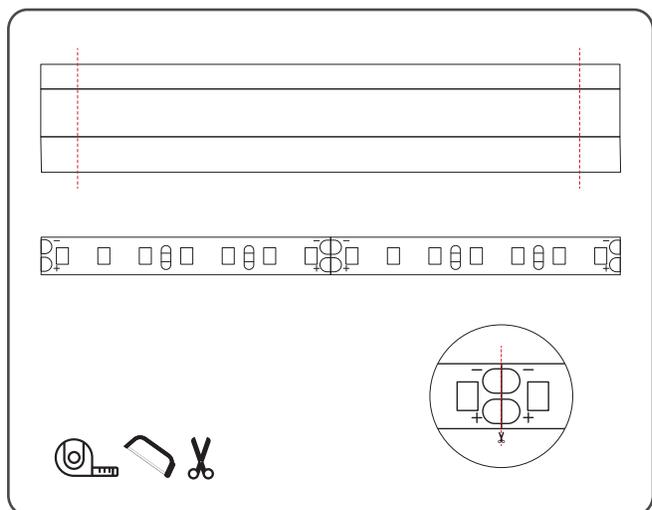
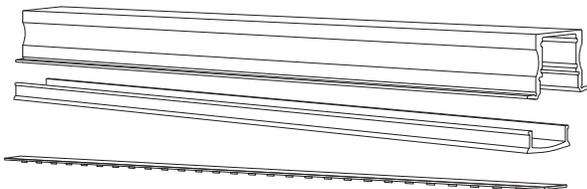
Step 1

Instruction (Surface Mount, Less than 8ft)

Determine 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.

For fixture length that is more than 8 feet and/or recess application refer to step 6.

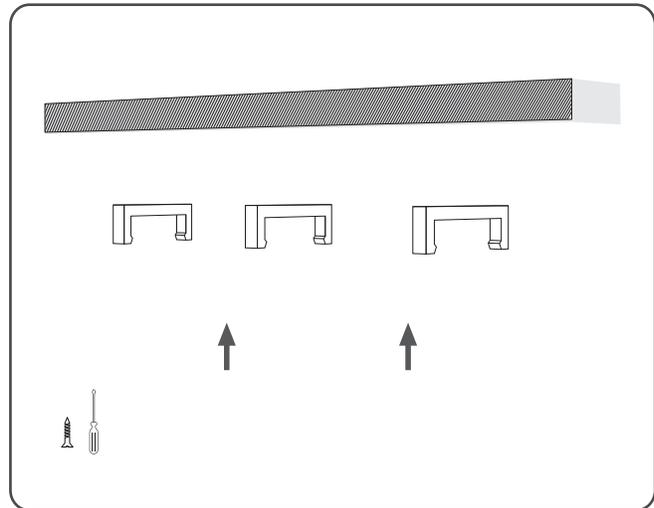


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Step 2

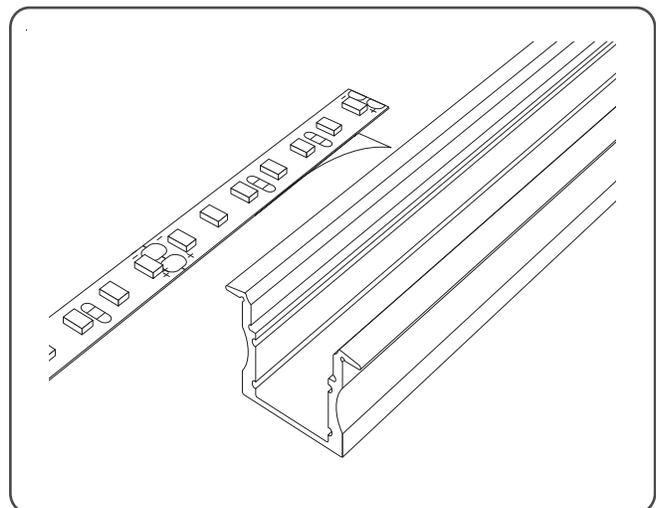
Install mounting clips on the desired surface in a straight line.



Step 3

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.

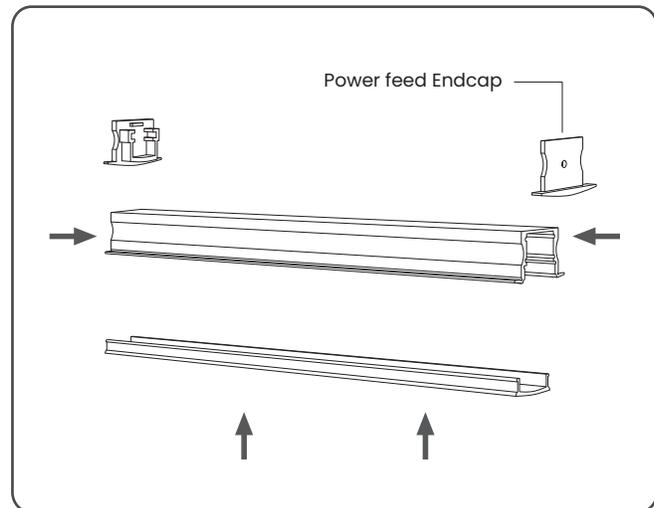


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Step 4

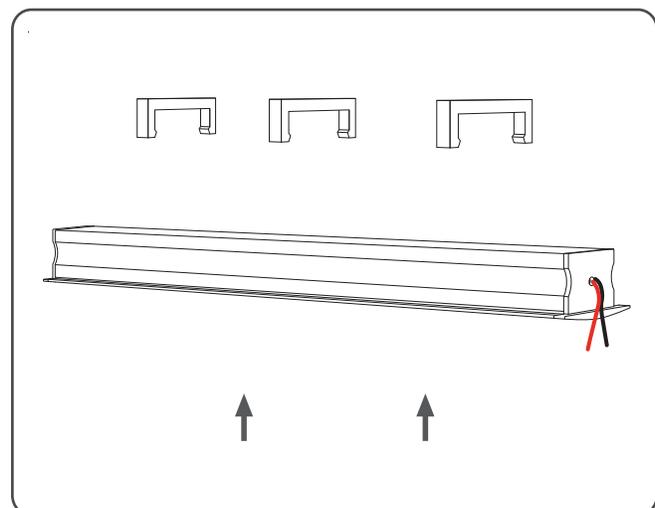
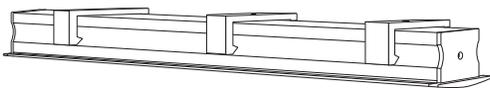
Install lens and endcaps, ensuring power feed endcap is at appropriate end.



Step 5

Snap the finished fixture into the mounting clips.

Finished!



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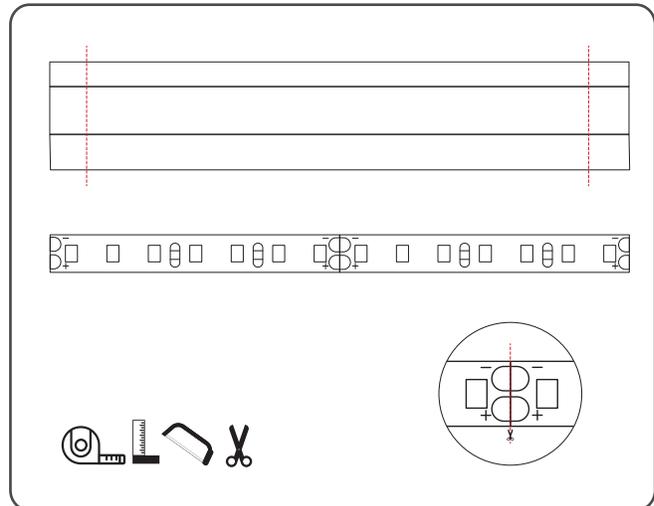
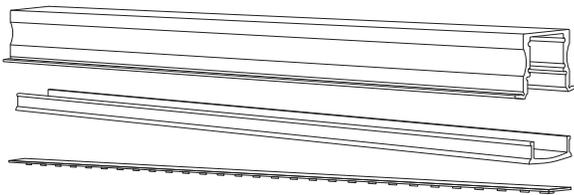
Step 6

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

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).

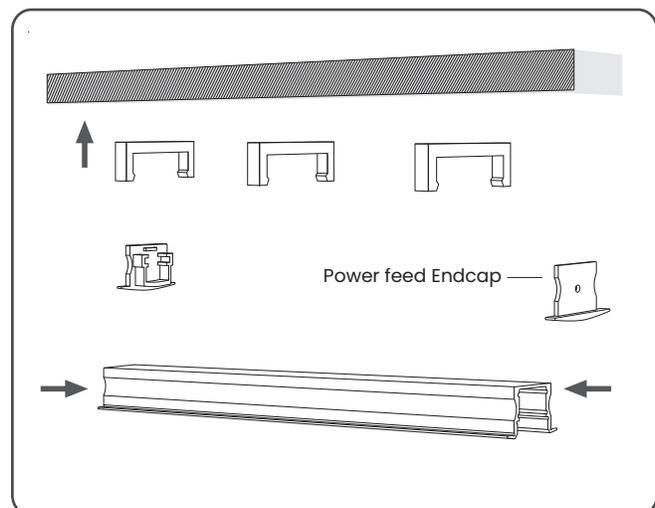


Step 7

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

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

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



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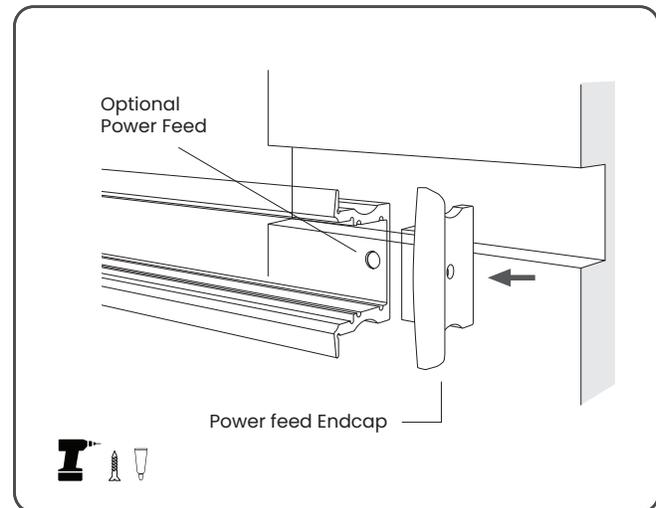
Step 8

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

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

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

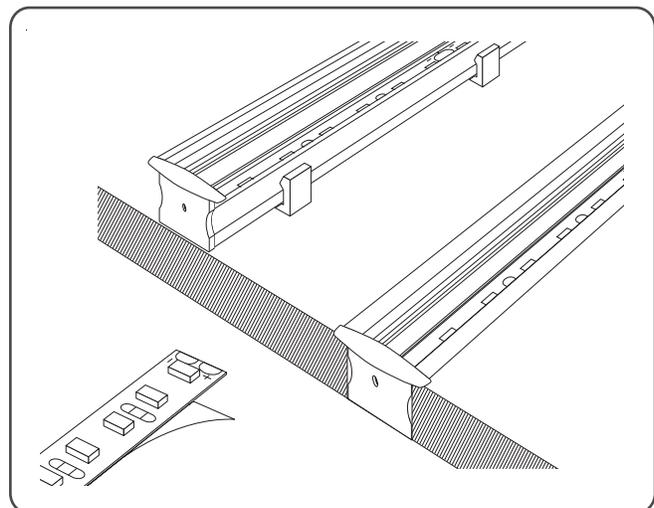
Install channel, making sure run is straight with seams edges and joints lining up tightly.



Step 9

Install ribbon using pre-cut pieces and/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.



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Step 10

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

Finished!

