SLC-Micron-102S
Diffusion LED Channel

Diffusion Lighting
BY **RJ**CROSS

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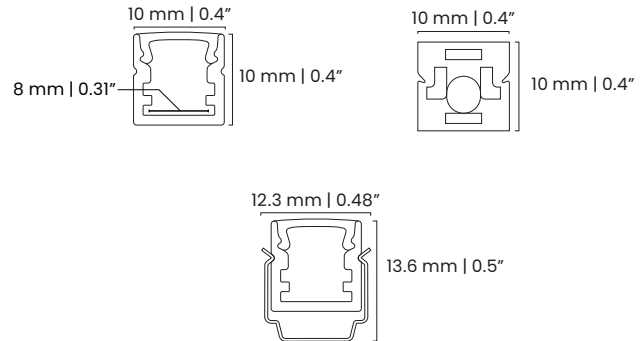
Ensure that electrical power is turned OFF before and during installation or maintenance.

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.
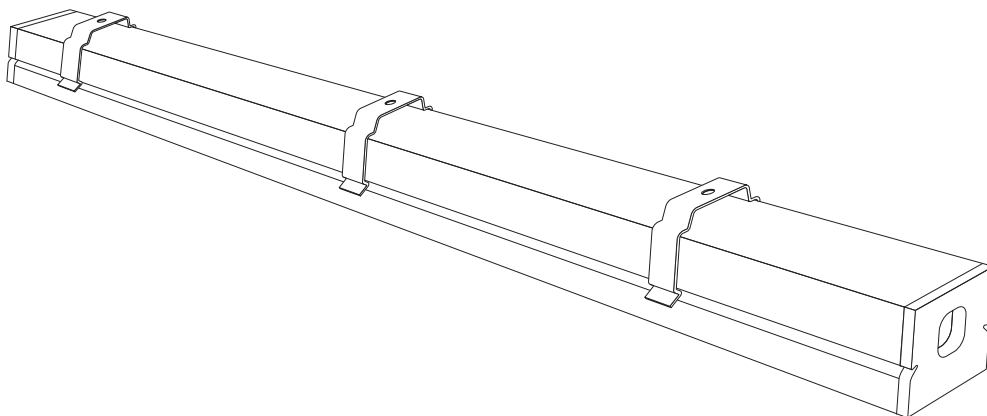
Diagram

10 mm | 0.4"
8 mm | 0.31"
10 mm | 0.4"

10 mm | 0.4"
10 mm | 0.4"

12.3 mm | 0.48"
13.6 mm | 0.5"

Description

Narrow 10 mm anodized aluminum channel that comes complete with mounting hardware, two grey end caps, and an extra thick opal polycarbonate lens for zero dotting.
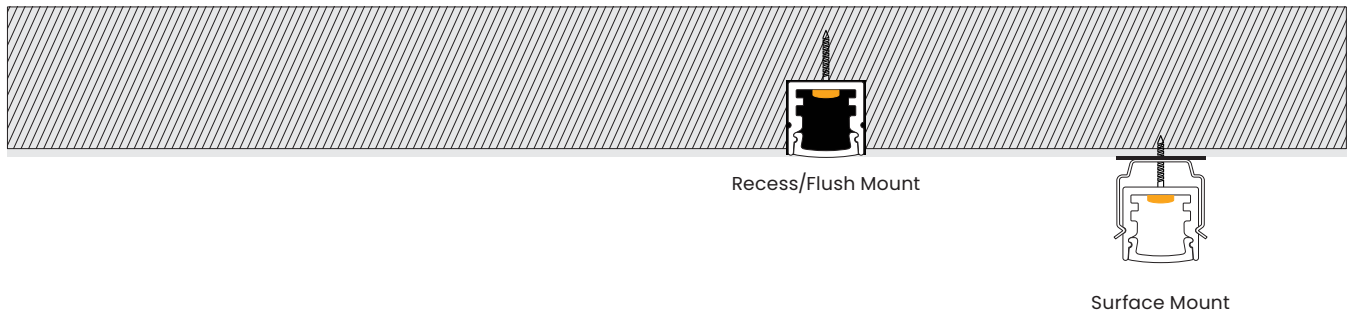
Shop Drawing

TITLE 24 COMPLIANT   5 YEAR WARRANTY   c(UL)us LISTED E486690

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Installation Types

Recess/Flush Mount

Surface Mount

Notes:

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

Installing a lens on micron channels can be difficult and may require patience.
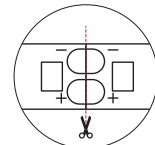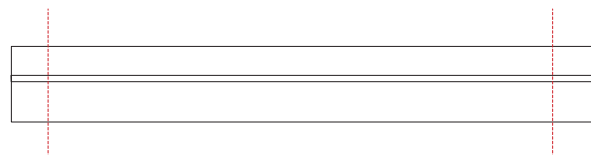
Step 1

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.

For fixture length that is more than 8 feet refer to Page 5.

Instruction (Surface Mount, Less than 8ft)

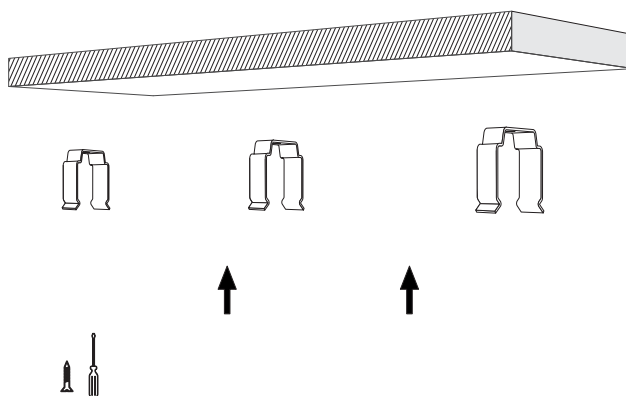TITLE 24 COMPLIANT   5 YEAR WARRANTY   c(UL)us LISTED E486690
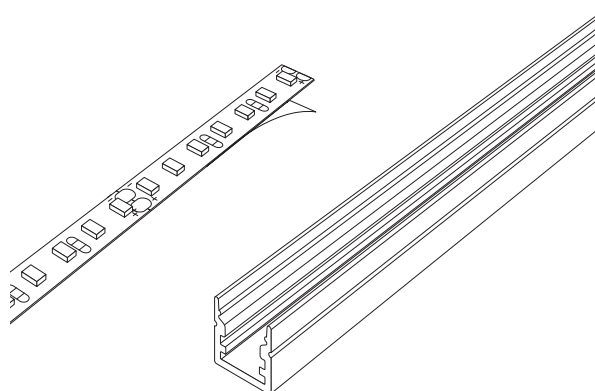
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Step 2

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.
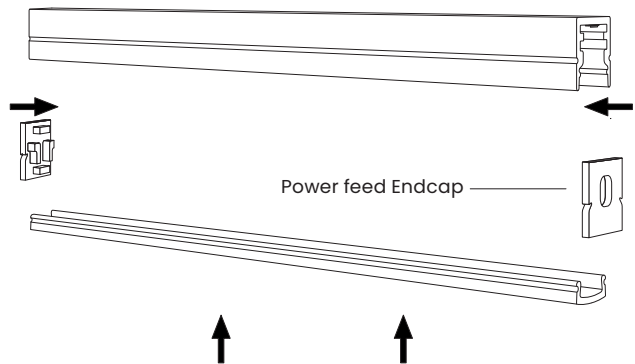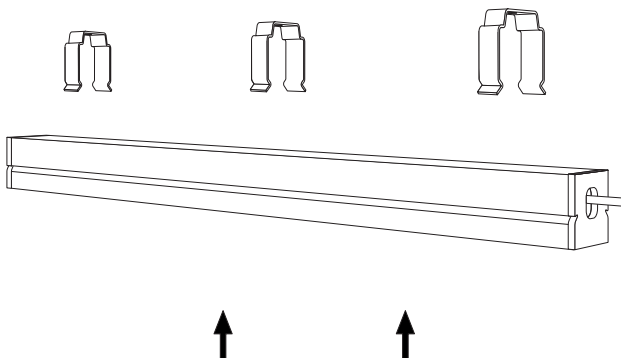
Step 4

Securely install the lens and endcaps, making sure they fit snugly and fully engage with the channel. Confirm the power feed endcap is at the appropriate end.

Power feed Endcap

Step 5

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

Finished!

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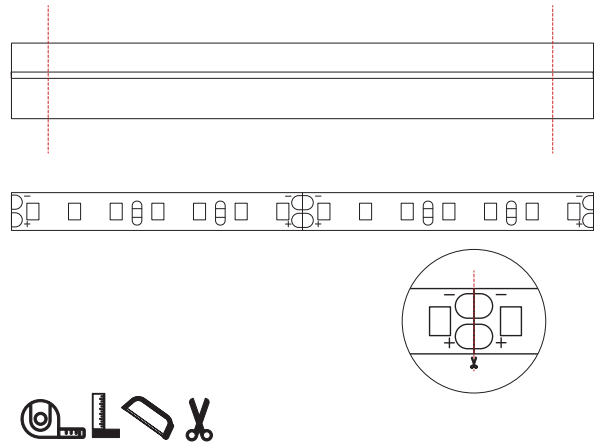## Diffusion LED Channel

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Step 1

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).
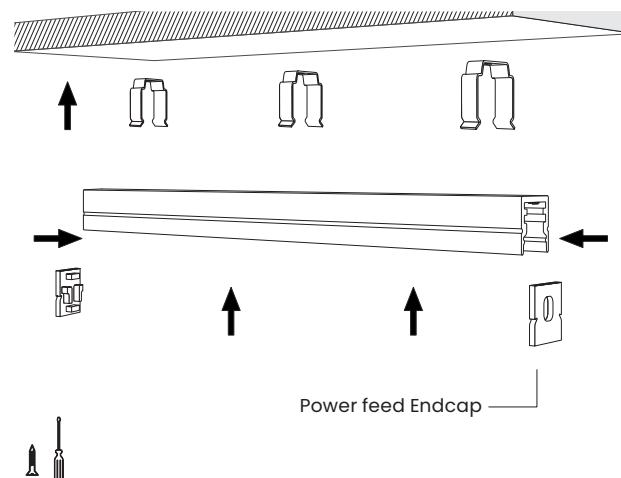
Step 2

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

install channel pieces, making sure the entire run is straight and all seams, edges, and joints line up tightly.

Power feed Endcap

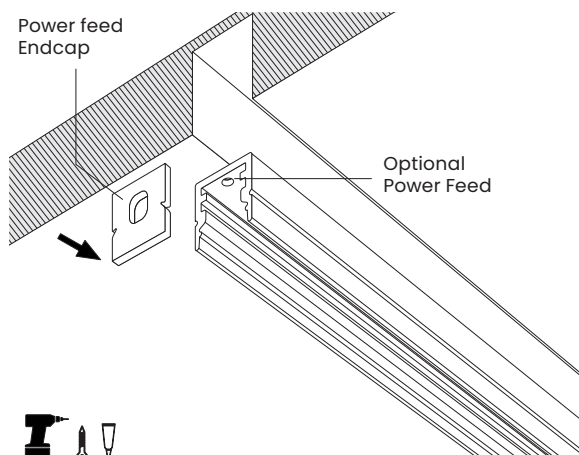TITLE 24 COMPLIANT   5 YEAR WARRANTY   c (UL) us LISTED E486690

Step 3

For recessed or flush mount applications, secure the channel using either construction adhesive or by predrilling countersunk holes and fastening with appropriate screws.
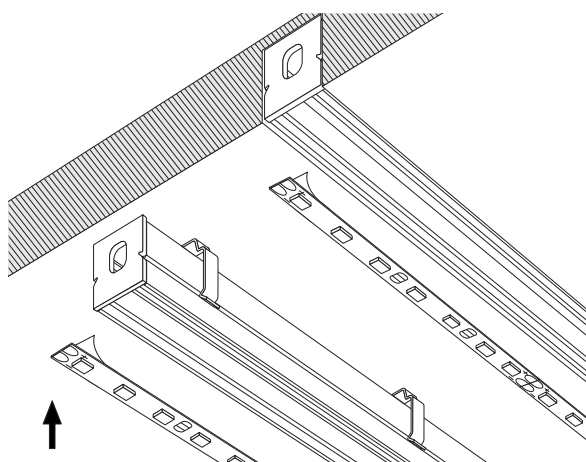
If feeding power from the bottom of the fixture, drill a 7/32" (5.5mm) hole in the channel at the desired power connection point prior to installing the ribbon.

Install the channel, ensuring the entire run is straight and all seams, edges, and joints line up tightly. Then, install the endcaps, making sure the power feed endcap is at the appropriate end.

Power feed
Endcap

Optional
Power Feed

Step 4

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.

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Step 5

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!

(604) 371-4371   1-(866)-RJCROSS (752-7677)   info@rjcross.com   diffusionlighting.com