Surface Micro 0.40 - ALUMINUM LED CHANNEL
Installation Instructions

MODEL	MOUNTING	APERTURE	OVERALL WIDTH	LENGTH	MAX TAPE WIDTH	MAX TAPE POWER	RATING
FL-SM40	**Surface, clips or screws**	**0.4" (10.2 mm)**	**0.5" (13.7 mm)**	**96" (8 ft)**	**10 mm**	**12 W/m (3.7 W/ft)**	**Dry / damp**

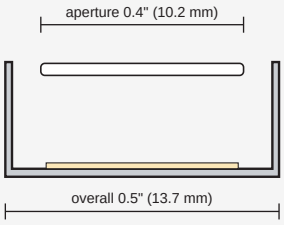
ATTENTION: *Please read all instructions before installation*

DISCONNECT POWER BEFORE INSTALLING TAPE OR MAKING CONNECTIONS

- Always ensure the power supply is disconnected before installing tape in the channel or making any connection.
- Wiring to be installed by a qualified, licensed electrician in accordance with national and local electrical codes. Install the LED tape per its own FlowLite installation instructions.
- Use LED tape no wider than **10 mm** and no more than **12 W/m (3.7 W/ft)** in this channel. Higher wattage tape needs a larger profile to stay within its temperature limits.
- The channel is a housing: the light output, color and location rating come from the tape installed in it.
- Fix mounting clips at no more than 16" on center (6"-8" on curves), with a clip within 2" of each end, using screws suited to the substrate.
- Dry or damp locations only, as rated by the tape installed. For wet locations use an IP65 FlowLite channel with IP-rated tape.
- Cut aluminum with a fine-tooth non-ferrous blade. Wear eye protection and gloves, deburr every cut, and remove chips before installing tape.
- Do not cover the channel with insulation, and do not install where it will be in direct contact with combustible materials.
- Test every run with the tape powered before installing lenses, end caps and trims.
- Diagrams for representation only and not to scale.
- Do not modify this product beyond these instructions or the warranty will be void. Failure to follow safety warnings and installation instructions will void the warranty.

Profile

Cross-section, not to scale. Dimensions per the spec sheet.



Aperture 0.4" (10.2 mm) | Overall 0.5" (13.7 mm) | 96" (8 ft) per piece

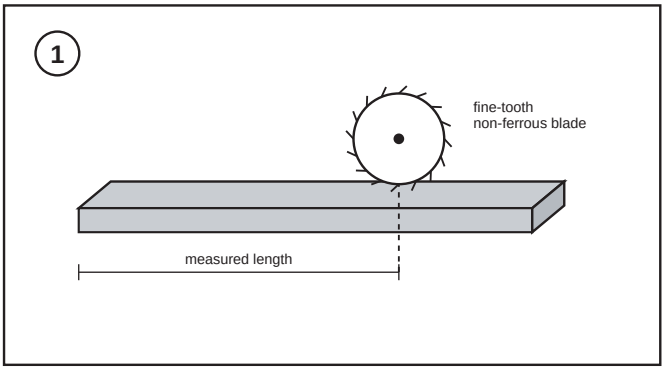
In the box

- Aluminum profile, 96" (8 ft)
- Opal (frosted) polycarbonate lens
- End caps (pair, with wire entry)
- Mounting clips and screws

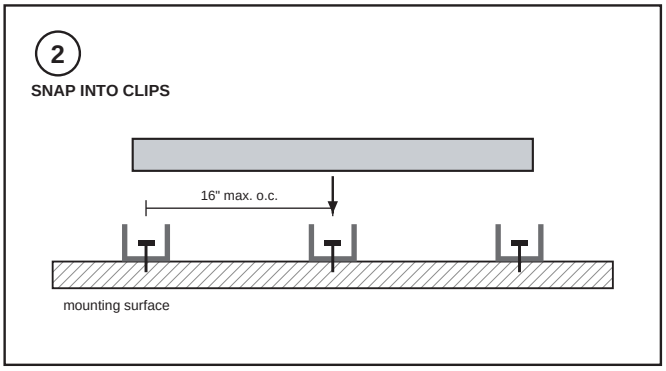
You will need

- Miter saw with fine-tooth non-ferrous blade
- File or deburring tool
- Isopropyl alcohol (50/50 mix) and lint-free cloth
- FlowLite LED tape, max. 10 mm wide
- Drill/driver, screws and anchors suited to the substrate

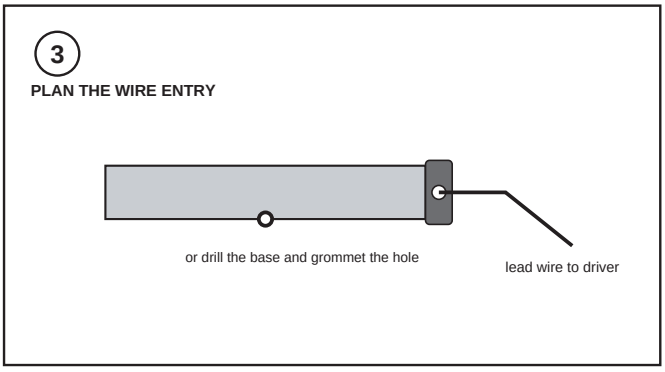
INSTALLATION INSTRUCTIONS



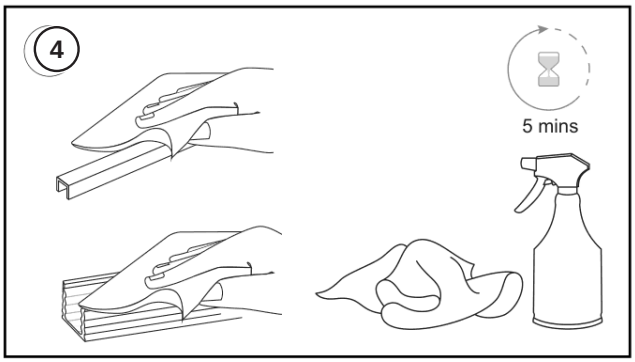
Measure the run and cut the profile and lens to length with a fine-tooth non-ferrous blade. Deburr the ends and blow out chips. Cut the lens slightly short so the end caps fit. Join pieces end to end with straight, tight joints.



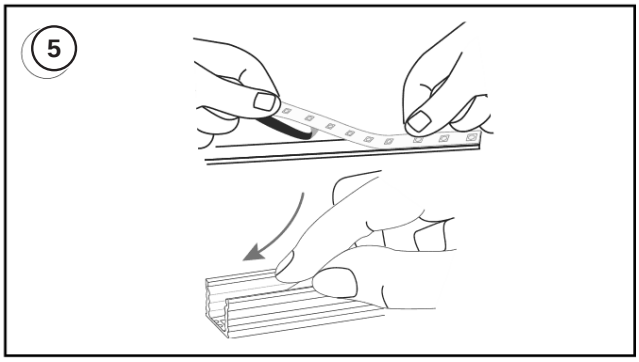
Fix the mounting clips with screws at no more than 16" on center, with a clip within 2" of each end. Snap the profile into the clips, or screw through the base.



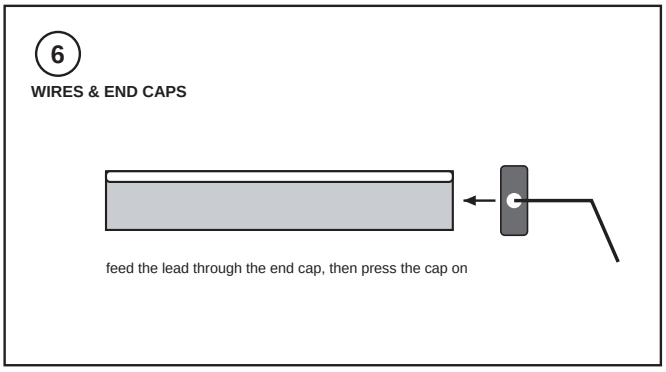
Plan where the lead wire leaves the channel: through the end cap, or through a hole drilled in the base and fitted with a grommet. Pull the feed wire from the driver location before closing up.



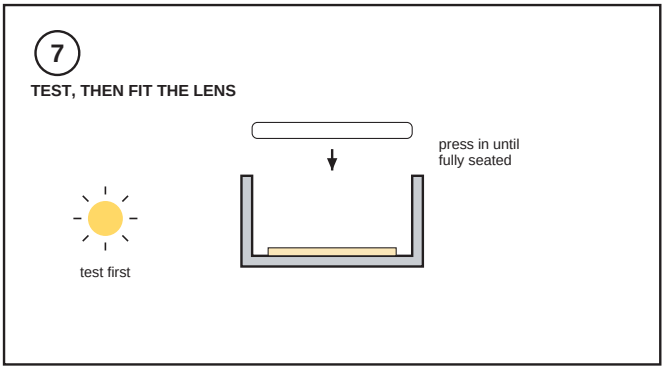
Using a 50/50 alcohol mix thoroughly clean the inside of the channel where the tape will sit. Allow time to dry (about 5 minutes).



Gently place the LED tape in the channel, centered on the floor. Peel back the liner in short increments and press firmly along the full length. Do not exceed 10 mm tape width or 12 W/m (3.7 W/ft).



Feed the lead wire through the end cap opening, connect it to the tape with correct polarity, and press the end caps on.



Power the run and check every section before closing. Then press the lens into the profile until it seats along its full length (or slide it in from one end). Keep the lens clean and handle it with gloves.

Notes

- Compatible tape: FlowLite tape up to 10 mm wide and 12 W/m (3.7 W/ft).
- Feed every run per the tape's maximum run, from a Class 2 24V DC driver loaded to 80% or less.
- Location: dry or damp, as rated by the tape installed.
- Leave access to drivers and connections per code.

FlowLite reserves the right to change specifications without notice.