

INTRODUCTION

The Aluminum LED Profile system houses LED strip for enhanced heat dissipation, protection and a finished look. Suitable for residential, commercial and decorative applications.

SAFETY

- Power off before handling electrical components. Dry hands only.
- Never connect power while handling exposed wiring.
- Ensure ventilation around the strip — do not enclose fully.
- Mount securely; do not install near flammables.
- Electrical work by a qualified electrician where required.



TOOLS & MATERIALS

Aluminum LED profile kit (profile · diffuser · end caps · mounting clips) · compatible LED strip + driver · screws & wall anchors · measuring tape · marker · screwdriver/drill · wire stripper / cutter · silicone (optional).

INSTALLATION

- 01 Plan the layout.** Measure the run. Cut the profile to length with a saw suitable for aluminum.
- 02 Mount the profile.** Three options: *clips* (FIG. 1), *direct screw through* (FIG. 2), or *adhesive* (light loads only).
- 03 Install the LED strip.** Clean inside of profile. Peel backing and press firmly into the channel.
- 04 Connect wiring.** Strip leads, match polarity (+ to +, - to -), insulate with tape or heat-shrink over solder joints.
- 05 Diffuser.** Snap the diffuser/lens onto the channel. (FIG. 3)
- 06 End caps.** Fit caps to both ends. Drill one if wiring exits there. (FIG. 4)
- 07 Power on.** Connect the driver and verify uniform output.

FIGURES

<p>FIG. 1 </p> <p>Drop Fig. 1: Clip-mount cross-section</p> <p>or browse files</p> <p>Fig. 1 · Clip-mount cross-section</p>	<p>FIG. 2 </p> <p>Drop Fig. 2: Direct screw-through</p> <p>or browse files</p> <p>Fig. 2 · Direct screw-through</p>
<p>FIG. 3 </p> <p>Drop Fig. 3: Diffuser snap-on</p> <p>or browse files</p> <p>Fig. 3 · Diffuser snap-on</p>	<p>FIG. 4 </p> <p>Drop Fig. 4: End cap fit</p> <p>or browse files</p> <p>Fig. 4 · End cap fit</p>