

Surface Mount Aluminum LED Channel Profile, 16x7mm, Milky Diffuser, Up to 4m

OVERVIEW

The 5-LW1606-10 is a surface-mount aluminum LED channel profile measuring 16x7mm, designed to house and protect flexible LED strip lighting in commercial and residential installations. Constructed from 6063-T5 aluminum with an anodized silver finish, it provides both thermal management and physical protection for strips up to 11mm wide. The included milky PC diffuser delivers uniform light distribution while reducing visible LED hot spots.

The profile operates across a temperature range of -50°C to 100°C, making it suitable for demanding environments. The milky diffuser transmits 86% of light output with medium coefficient diffusion, and installs via a push-in method. Available lengths include 1m, 2m, 2.5m, 3m, and 4m (maximum 13.2 ft). Finish options include anodized silver (standard), white painted, and black anodized.

No certifications are confirmed in the available source documentation. Buyers should verify applicable compliance requirements for their jurisdiction prior to specification. Contact Poli LED & Signs for warranty terms and project-quantity availability.

SPECIFICATIONS

Operating temp	-50 to 100 °C	Diffuser Color Options	Transparent, Milky (opal), Black
Dimensions	16 x 7 mm (0.62 in x 0.27 in) internal width	Profile Finish Options	White Painted, Silver Anodized, Black
Length Max	13.2 ft (4 m)	Max Strip Width	11 mm
Material	6063-T5 aluminum, anodized	Diffuser Assembly Method	Push in
Diffuser Light Transmission	86 %	Diffuser Coefficient Diffusion	Medium
Diffuser Material	PC (polycarbonate)		