

Surface Mount Aluminum LED Profile Channel, 48x18mm, Anodized, Up to 4m Length

OVERVIEW

The 5-LWU4818 is a surface-mount aluminum LED profile channel measuring 48mm wide by 18mm tall, constructed from 6063-T5 aluminum with a high-standard anodized finish. It is designed to house and protect LED flexible strips up to 12mm wide, providing both a heat-sink function and physical protection. Available in lengths of 1m, 2m, 2.5m, 3m, and 4m (max 13.2 ft), it suits architectural, commercial, and general lighting installations where a low-profile surface-mount channel is required.

The profile accommodates a PC milky diffuser with 86% light transmission and medium coefficient diffusion, producing uniform brightness while reducing visible LED hot spots. The inner channel width of 13.5mm (0.53 in) accepts standard flexible strip configurations. The extrusion is rated for operating temperatures from -50°C to 100°C, making it suitable for a broad range of interior and controlled exterior environments. Finish options include silver anodized, black anodized, and white painted.

No certifications are confirmed in the available source documentation for this product. Contractors and specifiers should verify compliance requirements with Poli LED & Signs prior to procurement. Warranty terms are not specified in the current product datasheet; contact your sales representative for applicable coverage details.

SPECIFICATIONS

Operating temp	-50 to 100 °C	Dimensions	48.3 x 17.7 mm (1.9 x 0.69 in), interior depth 13.5 mm (0.53 in), base width 33.2 mm (1.31 in)
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