

Drywall Trimless LED Aluminum Channel Profile, 52mm Wide, Opal Diffuser, Silver Anodized

OVERVIEW

The 5-LDW1213 is a trimless drywall aluminum channel profile designed for concealed LED strip installations in commercial and residential construction. Measuring 52mm wide by 13mm tall, it accepts LED flexible strips up to 9mm in width and mounts flush within drywall assemblies to produce a clean, borderless lighting detail. The standard finish is silver anodized, with white painted and black anodized options available. Standard lengths are 1m, 2m, 2.5m, 3m, and 4m (maximum 13.2 ft).

The extrusion is manufactured from 6063-T5 aluminum with a high-standard anodized surface treatment, providing both thermal management and physical protection for the LED strip. The included milky (opal) PC diffuser transmits 86% of light output with medium coefficient diffusion, producing uniform surface brightness and eliminating visible LED hot spots. The diffuser installs via a push-in method and is also available in transparent or black. The profile is rated for operating temperatures from -50°C to 100°C.

No certifications are confirmed in the available product documentation. Contractors and specifiers should verify compliance requirements with the project authority having jurisdiction prior to installation.

SPECIFICATIONS

Operating temp	-50 to 100 °C	Dimensions	52.5 x 12.5 mm cross-section (2.06 in x 0.49 in); max length 4 m (13.2 ft)
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