



Drywall Trimless LED Profile, 12.5mm Wide, Black Anodized, 3M Length

- Extruded from 6063-T5 aluminum with black anodized surface treatment
- Accepts flexible LED strips up to 9mm in width
- Push-in milky PC diffuser with 86% light transmission
- Working temperature range of -50 C to 100 C
- 52 × 13mm section for flush, trimless drywall integration
- Rated LED lifetime of 50,000 hours with 1-year warranty

OVERVIEW

The 5-LDW1213-BK is a trimless drywall LED channel profile designed to integrate flush with interior wall and ceiling surfaces. With a 12.5mm channel width, 13.5mm height, and 52mm overall width, it is suited for framing doorways, constructing feature walls, and concealing wiring in both residential and commercial installations. The black anodized finish provides a clean, low-profile appearance that blends into finished drywall surfaces.

Each length measures 3 meters and the extrusion is formed from 6063-T5 aluminum, providing heat sinking and physical protection for the LED strip. The channel accepts flexible LED strips up to 9mm wide and pairs with a push-in milky PC diffuser rated at 86% light transmission for uniform brightness and reduced LED pixelation. Working temperature range is -50 C to 100 C.

Rated LED lifetime is 50,000 hours and the profile carries a 1-year warranty.

SPECIFICATIONS

OPTICAL

LED Lifetime 50,000 h

MECHANICAL

Product Dimensions 52×13mm

Length 3 m
9.8 ft

Strip Width 9 mm
0.35 in

Finish Black anodized

Material 6063-T5 aluminum
extrusion with PC diffuser

Mounting Recessed trimless drywall

ENVIRONMENTAL

Ambient Operating Temperature -50 °C
-58 °F

ORDERING

Warranty 1 y

APPLICATIONS

- Recessed ceiling cove lighting
- Doorway and opening trim framing
- Feature wall accent lighting
- Retail and hospitality interior perimeters
- Commercial corridor and lobby ceilings

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
product_dimensions	52×13mm	pdf	high
length	3 m	pdf	high
strip_width	9 mm	pdf	medium
finish	Black anodized	pdf	high
material	6063-T5 aluminum extrusion with PC diffuser	pdf	high
mount_type	Recessed trimless drywall	pdf	medium
ambient_temp_c	- 50 °C	pdf	high
warranty_years	1 y	db	high

Specifications subject to change without notice.

REVIEW COPY