

Prism Aluminum Channel
45-Corner Aluminum LED Profile
Item Number: 6100-AP-SM-1919



Product characteristics:

The extrusion is made from high quality Aviation 6063-T5 aluminum alloy with Double-Anodized, and is designed for flexible or rigid LED strips that are 10-12mm wide. One of the accessories offered for the extrusion are covers that shade and protect LEDs inside the profile. There are several cover options: Clear, Frosted, Milky. Covers are made of polycarbonate and are certified for excellent resistance to all weather conditions and UV radiation, as well as being flame retardant. Standard polypropylene end caps and mounting brackets (made from steel with zinc or chrome finish) are used for the extrusion as supplementary accessories. End caps protect the extrusion from dust and other undesirable elements, which can make LED strips dirty and consequently deteriorate the lighting parameters. The extrusion can be mounted to surfaces with the use of double-sided adhesive tape or mounting brackets. The mounting bracket guarantees easy and secure mounting of the extrusion to a desired surface. It can also be used as a connector between extrusions.

Products related to the Extrusion:



Clear PC Cover



Frosted PC Cover



Milky PC Cover

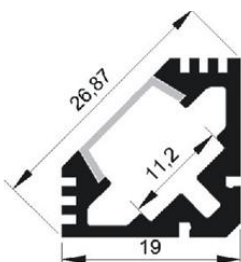


White End caps



Plastic Bracket

Dimension Drawing:



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Technical Specifications:

Ingress Protection Rating:	IP20 (standard)
Available lengths:	1m / 2m/3m (can be cut to any size)
Material:	Body – aluminum, cover – polycarbonate (PC), end cap – polypropylene (PP), mounting bracket, spring – steel
Lighting Transmittance:	Clear Cover, 94%; Frosted Cover, 70-90%; Milky Cover, 50%.
Operating temperature range:	-30~+100°C
Flammability:	V2 Fire Rating for PC Cover.
UV stability:	Ageing resistance more than 3 years.
Heat stability:	Under 100°C.
UL94 rating:	UL94V2
Manufacturing tolerances:	±0.5mm.
Grade of aluminum:	6063-T5
Grade/Type of anodizing:	Ecru oxidation and Grind arenaceous oxidation
Heat transmission properties:	Aluminum specific heat is 0.88x10J/(Kg x °C)

Applications:

The extrusion with LED light source is mostly used as interior lighting, especially to light cabinets, stairs, glass-cases, or as a decoration light for a niche in drywall ceilings.

