

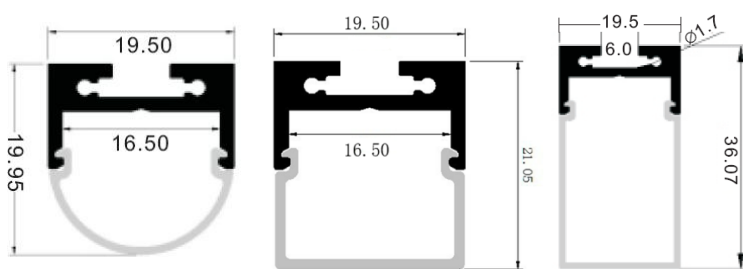
Prism Aluminum Channel
Model Number: 6100-AP-SM-2119A/B/C/



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 14-16mm 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/PMMA and are certified for excellent resistance to all weather conditions and UV radiation, as well as being flame retardant. Standard polypropylene end caps 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 mounting screws and brackets and also suspended mounted by steel cable.

Dimension Drawing:



6100-AP-SM-2119A

6100-AP-SM-2119B

6100-AP-SM-2119C

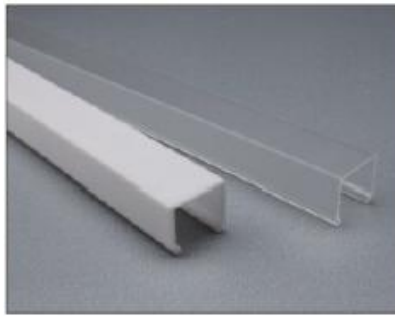
Prism Aluminum Channel
Model Number: 6100-AP-SM-2119A/B/C/



Products related to the Extrusion:



Aluminum Channel



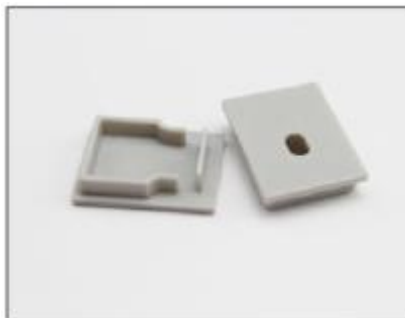
PMMA Cover Diffuser



PC Cover Diffuser



Mounting Brackets

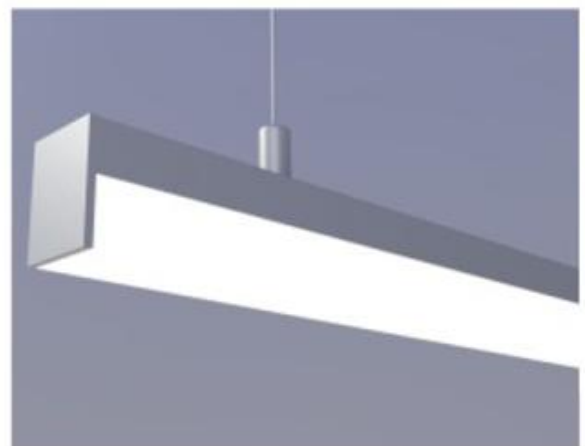


End Caps



Suspension kit

Installation:



Prism Aluminum Channel

Model Number: 6100-AP-SM-2119A/B/C/



Technical specification:

| | |
|-------------------------------|---|
| Ingress Protection Rating: | IP20 (standard) |
| Available lengths: | 2m/2.5M/3M Special Order |
| Material: | Body – aluminum, cover – PC/PMMA 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: | Aging 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.

