



DATA SHEET

HR-LINE LED extrusion – SKU: EX-KLG-1

Product characteristics

The extrusion is made from high quality aluminum and is designed for flexible or rigid LED strips that are 8 - 11,5 mm wide. One of the accessories offered for the extrusion are covers that shade and protect LEDs inside the profile. Covers are made of polycarbonate and certified for excellent resistance to all weather conditions and UV radiation, as well as being flame retardant.

It is recommended that the HR-ALU extrusion, together with LEDs, cover and caps, should be sealed with Dow Corning 3145 neutral silicone to achieve IP67 standards. When used, we get a lighting fixture of high integrity, whose class of resistance against ingress of solid objects, dust and water is optimal.

A frosted cover and densely spaced LEDs achieves a single line of light. The extrusion should be fastened to surfaces, such as different types of pavers, with a frost-resistant adhesive. It is recommended that the extrusion is mounted onto a foam base which cushions the loads carried by the profile and makes the extrusion even with paving stones. In addition, the foam can be used as a template for proper spacing during installation in e.g. cobblestones. The design of the extrusion and the parameters of the cover allow for static loads up to 20 kN.

Applications

Due to its high integrity and high load bearing capacity, the extrusion is ideal for high-traffic areas such as sidewalks, bike paths; it is also suitable for mounting in parking lots, driveways. Additionally, it can be used to illuminate the exterior architectural elements, such as building facades, terraces, gardens, etc.

Products related to the Extrusion



cover
frosted (1316)



base foam (1466)



end cap
with hole (1445)
without hole (1384)

Technical specification

Ingress Protection Rating	IP 67 (sealed version), IP 20 (unsealed extrusion)
Maximum static load	up to 20 kN
Available lengths	1 m / 2 m / 3 m (can be cut to any size)
Dimensions of base foam	1240 mm (length) / 30 mm (width) / 10-100 mm (height)
Material	body – aluminum, cover – polycarbonate (PC), end cap – polypropylene (PP), base foam – polystyrene (XPS)

