

## DATA SHEET

PDS-O LED extrusion – SKU: EX-KL1-4

### Product characteristics

The circular extrusion is made from high quality, double-anodized aluminum and is designed for flexible or rigid LED strips that are 8 - 10mm wide. One of the accessories offered for the extrusion are covers that shade and protect LEDs inside the profile. There are a few types of covers: covers K, HS (frosted or clear), LIGER (extra frosted matte) or clear focusing cover- S, thanks to which we obtain a 10 degree light beam angle. Covers are made of polycarbonate and additionally HS covers are certified for excellent resistance to all weather conditions and UV radiation, as well as being flame retardant.

Standard polypropylene end caps, electricity-conductive end caps and mounting brackets (made of steel, 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 mounting brackets. The mounting bracket guarantees easy and secure mounting of the extrusion to a desired surface and can also work as a connector between two extrusions. An integrated, straight line of light can be achieved by assembling the extrusion, densely spaced LEDs (minimum 140 LEDs per meter) and frosted HS cover or frosted matte LIGER cover (minimum 120 LED per meter). This LED fixture can also be assembled to be waterproof and have its ingress protection rating (describes the protection against the ingress of solids, dust and water) equal to IP 67.

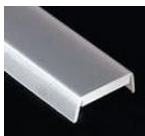
### Applications

The extrusion with LED light source is mostly used as interior lighting, especially to light cabinets, stairs, glass-cases, or as a decorative light for a niche in drywall ceilings. It's ideally suited for the production of lighting fixtures, both wall-ceiling and detached. The IP 67 version can be also used as an outdoor lighting for elevations or architectural elements.

### Products related to the Extrusion



cover type K/KA-BIS  
frosted (1547/17071)  
clear (1548/17072)  
cover type LIGER  
frosted matte (17031)



cover type HS  
frosted (1369)  
clear (1370)



cover type S  
clear (00220)



end cap  
without hole (1439)  
with hole (1441)



electricity conductive  
end cap (1435)



mounting bracket  
zinc (1072)  
chrome matt (1345)

### Technical specification

Ingress Protection Rating

IP 20 (standard), IP 67 (optional)

Available lengths

1 m / 2 m (can be cut to any size)

Material

body – aluminum, cover – polycarbonate (PC), end cap – polypropylene (PP), mounting bracket – steel



\*\*sample item from the mounting system of profiles

