

## DATA SHEET

### REGULOR LED extrusion – EX-KL1-7

#### Product characteristics

The extrusion is made from high quality, double-anodized aluminum and 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. The available types of covers are: covers K, HS (frosted or clear), LIGER (frosted matte) or clear focusing cover- S. 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. The unique characteristic of the Regulor extrusion is an aluminum insert that permits manipulation of the angles of the diode's lighting. We can attain further angles of lighting by using the focusing cover "S" and putting the insert into the extrusion in the proper notch. If these two conditions are utilized, then it's possible to get the following angles of light: 10 degree (without insert) and 30°, 60°, 90° (depending on the insert position).

Standard polypropylene end caps and mounting brackets (made of 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 work as a connector between two extrusions. Installation of the profile in drywall is performed using special PDS springs (index 00800). If you would like to mount the profile in an Armstrong drop ceiling with the use of PDS springs, we recommend special safety washers (42712).

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 has its ingress protection rating (describes the protection against the ingress of solids, dust and water) equal to IP 67.

For mounting and power supply of extrusions, the elements from the mounting system presented on [www.KlusDesign.com](http://www.KlusDesign.com) can be used.

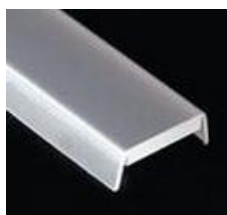
#### Applications

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. The IP 67 version can be used as 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)



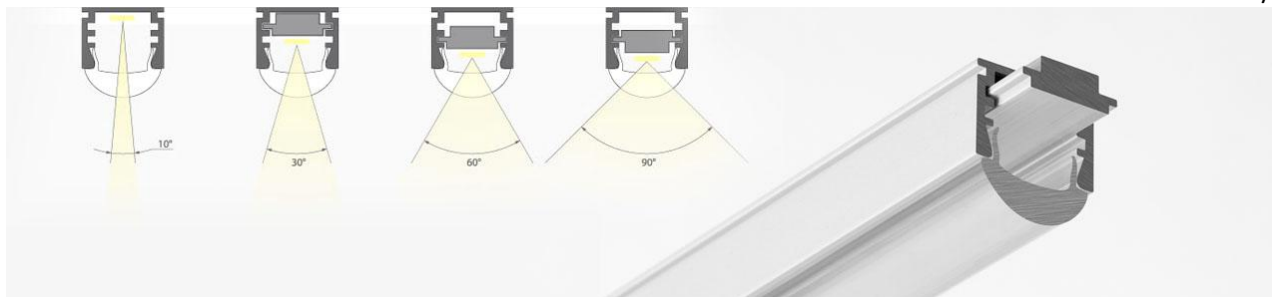
cover type S  
clear (00220)



end cap  
without hole (00310)  
with hole (00313)



mounting bracket  
zinc (1072)  
chrome matt. (1345)

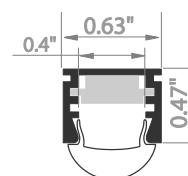


## DATA SHEET

**REGULOR** LED extrusion – article number B468+43

### 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, spring – steel



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