

Connection of the profile with the feeding line, respecting polarity:

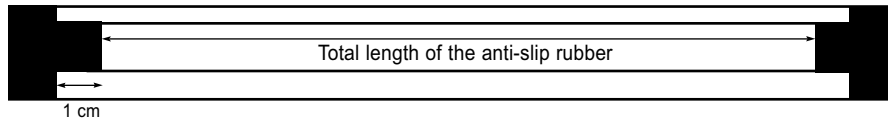
- White cable: + (positive)
- Black cable: - (negative)

The connection can be realized with junction boxes or by direct connection. Bearing in mind not to pinch the cables in order to avoid short-circuits.

Positioning the anti-slip rubber into the profile can be done in 2 different ways:

A) In case that one of the extremities of the profile is free of any obstacle, the anti-slip rubber can be introduced in the lateral groove of the profile and can be cut to the convenient measure.

Note: When the anti-slip rubber has to be cut for the profiles Fiberled 102, 104, 201 and 202, please bear in mind that the final end caps (if any), are entering 1 cm. into the profile guide.



B) To the contrary, just bend the rubber slightly and introduce it into the profile guide, pressing it from the top into the profile.

In both cases inserting the plastic injected end cap/s into the free and visible extremity/ties of the profile.

Parameters and technical data to take into consideration:

Cable selection:

Consider the following parameters: voltage, consumption and distance from electrical feeding equipment until the most remote profile to be feeded. Please consult tables and specifications of electric wiring manufactures.

Type of transformer:

Use always our transformers 220V AC to 12V or 24V, which are rectified, stabilized, filtered and with fused protection, in order to guarantee that correct voltage arrives always and which avoid sound interferences.

Maximum quantity of LEDS:

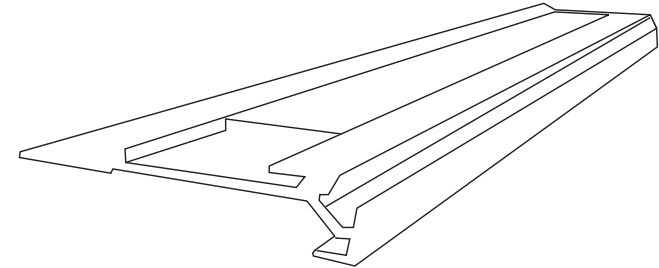
The consumption of one LED is 0.3 W at 12 V DC and 0.6 W at 24 V DC.
Consider the power of transformer in VA, and apply following formula: $VA / WA = \text{number of LEDS}$

Example:

Suppose that we have a transformer 20VA at 12V DC.
The formula would be $20 VA / 0.3 W = 66 LEDS$
With this transformer we could connect a maximum of 66 LEDS.

CAUTION:

- Switch OFF general circuit breaker before starting with Installation of profile.
- We recommend intervention of professional persons authorized to mount profiles.
- This profile only is used as light for indication.
- Do not install the profiles in places where high pressure cleaning with water is made.



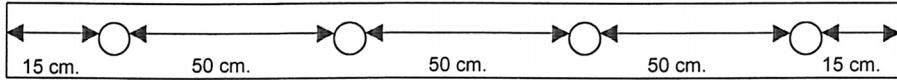
FEATURES

- Light alloy profile black of silver anodized with anti-slip surface and housing for fastener to step.
- Miniature LED illuminator set with solid state lamp (12/24 VDC) and precision connector. Available in blue, white, green, red or yellow.
- Solid core optical fiber with optimized transmission for side viewing.
- Continuous diffusing lens manufactured in pure, fire retardant polycarbonate.
- Polymer insert for installation without carpet.



Drilling of Profiles

Type of drill: HSS of 6mm. for drilling aluminum



The recommended distances are 15 cm. from the ends of the profile until the first hole and 50 cm. between the drill holes for the remaining ones.

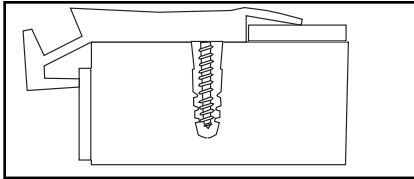
Note 1: In case that steps present any irregularity and do not permit to fasten the profile securely, it is recommended to reduce distances between the drilling holes, and increase the number of mentioned drilling holes.

Note 2: In case of Fiberled 101 or 103, drilling holes have to be necessarily beveled.

Considerations to be made when Installing the profiles on different surface

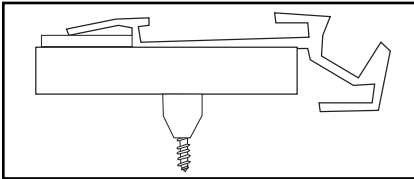
Fixation on surface of massive material (Photo Profile Fiberled 102)

- Bearing in mind the selection of type of drill in function with surfaces.
- Using plastic stopper of 6mm.



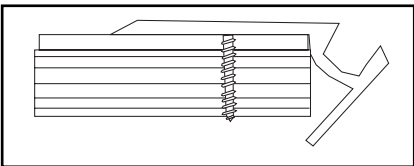
Fixation on surface of hollow material (Photo Profile Fiberled 102)

- Bearing in mind the selection of type of drill in function with surfaces.
- Using special stopper for hollow material 6mm.



Fixation of surface of wooden material (Photo Profile Fiberled 101)

- Bearing in mind the selection of type of drill in function with the wooden surface, possibly no drilling at all if wooden material is very soft.

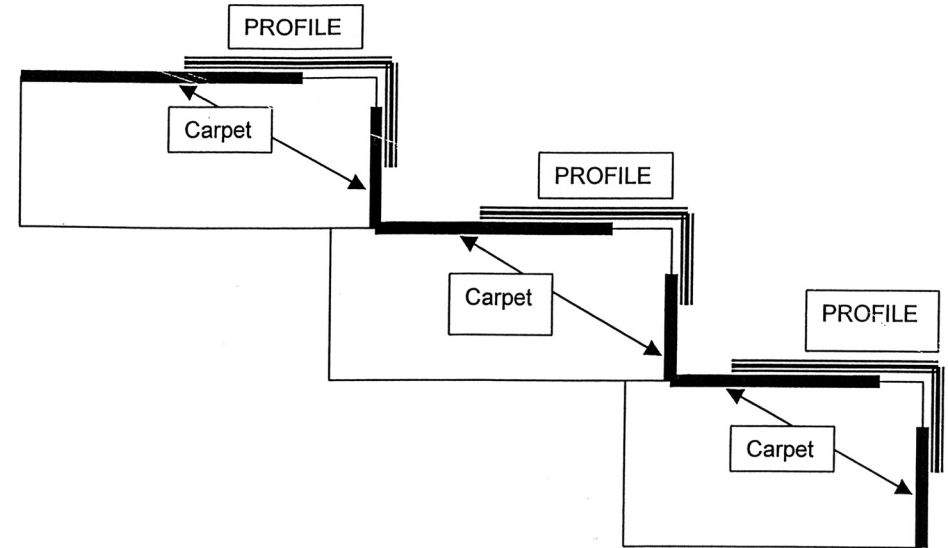


Floor with Carpet of Tile

If there is surface with moquette, please have in mind following details:

The profile Fiberled 101 and 103 can be installed directly onto moquette floor. For the profiles Fiberled 102, 104, 201 and 202, the moquette has to be cut between 40 and 45 mm. The thicker the carpet - the lesser the mm., measured from the edge of the step until the end of the lower profile-part, which is touching the step. Then the profiles have to be installed and fastened onto the floor directly so that the moquette gets pressed of the front and the rear flange of the profile.

Scheme with view where the carpet has to be cut



Electrical Scheme of FiberLED System

