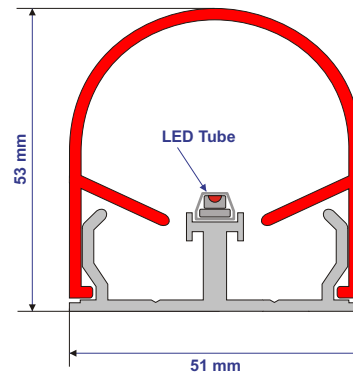
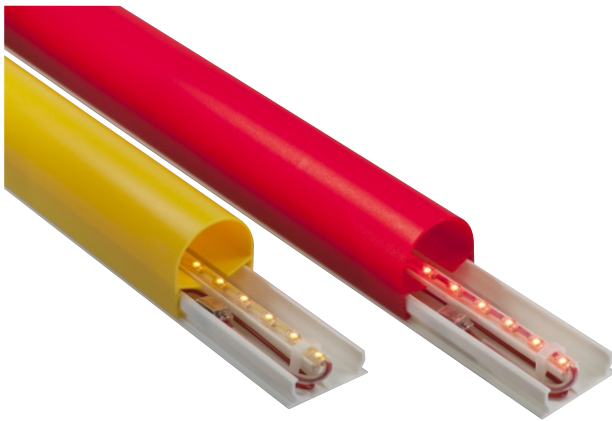


LED Facade Profile



Technical description

The ***hansen*** LED Facade Profile is an illuminated plastic profile designed to create illuminated lines and contours on buildings, facades or roofs, for example of petrol stations or other industrial structures.

The profile can be used to create a 5 cm illuminated contour on flat walls, around corners and projecting building parts. For the observer this creates the impression of a continuous illuminated line.

The ***hansen*** LED Facade Profile consists of two parts: a white lower part (base) and an acrylic upper part (cover) available in six different colours. The base contains all the technical equipment including the LEDs and necessary converters, which are pre-installed in the factory.

The profile is attached to the wall by means of spring steel mounting brackets, which are screwed or riveted to the wall. The profile base simply clicks into the brackets, and the cover clicks onto the base, i.e. the installation of both base and cover does not require any screws.

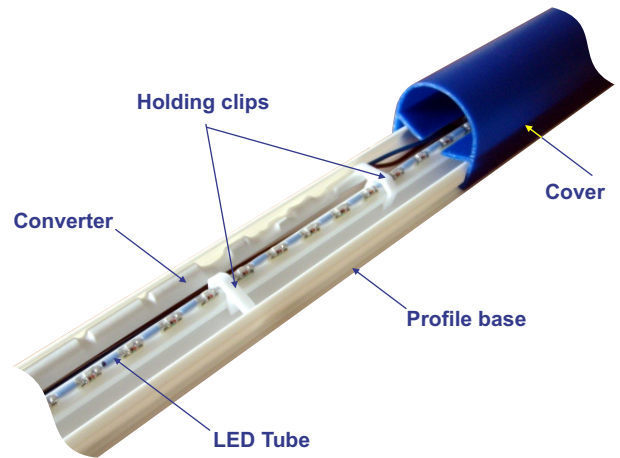
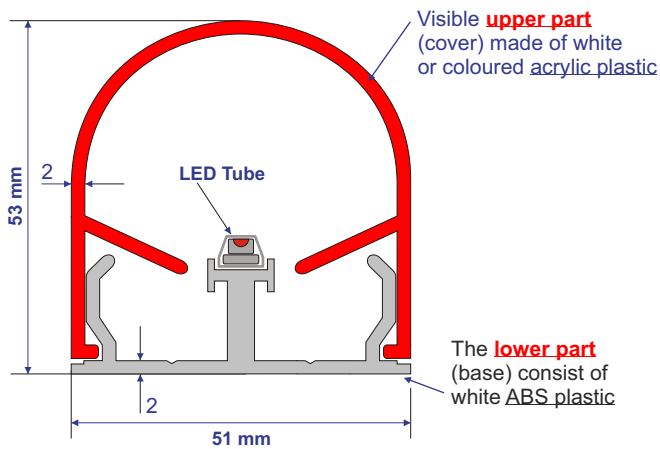
The individual sections of the ***hansen*** LED Facade Profile are cut to length and supplied according to customer specification. The maximum length of one section is 3,000 mm, the minimum length is 300 mm.

To allow the profile to be mounted around corners and in angles, it can be supplied with factory-prepared mitre cuts. Outside corners, inside corners and picture frame-type corners are possible.

With the converters being integrated in the profile there is only one single point of connection to the 230 V mains. The 230 V power cable is connected through inside the profile from one section to the next.



LED Facade Profile



Plastic profiles

Both the upper and the lower part are extruded plastic profiles. The lower part (base) consists of white ABS plastic whereas the upper part (cover) is made of coloured acrylic (PMMA).

Colours

The covers are available in six different colours giving the **LED Facade Profile** a colourful appearance even when not illuminated, i.e. during the day.

In the night, the coloured LEDs illuminate the cover in the respective colour. The yellow and the blue profile can also be supplied with white LEDs (different colour effect).

LED light colours:

-  White
-  Blue
-  Green
-  Red
-  White
-  Amber

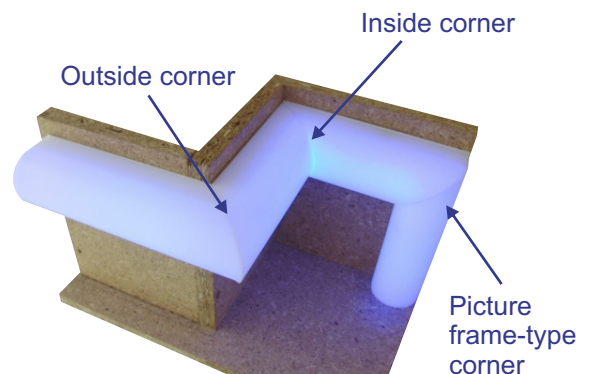
Available covers:

-  White (similar to GS 072)
-  Blue (similar to GS 612)
-  Green (similar to GS 702)
-  Red (similar to GS 2713)
-  Yellow (similar to GS 304)
-  Amber (similar to GS 410)

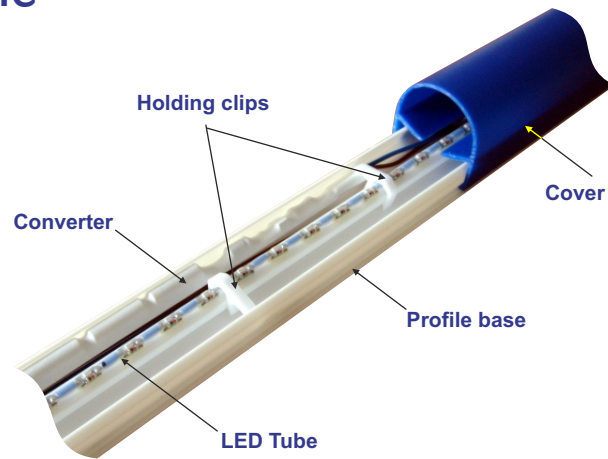
Mitre cuts

The **LED Facade Profiles** can be supplied with mitre-cut ends. This requires accurate length specifications to be provided by the customer.

If the required lengths cannot be precisely determined in advance, the necessary mite cuts can still be made on site.



LED Facade Profile

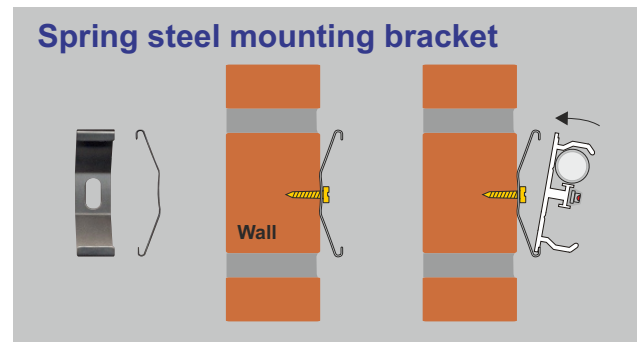


hansen LED Tube

The ***hansen*** LED Tube provides the light source for the LED Facade Profile. It consists of up to 50 series-connected LEDs powered by the integrated converter.

Spring steel mounting brackets

The mounting brackets made of stainless spring steel are designed to fix the profile to masonry, trapezoidal sheet metal or other facade structures. The plastic profile is mounted in a "floating" manner, i.e. the profile will not be distorted by thermal expansion.

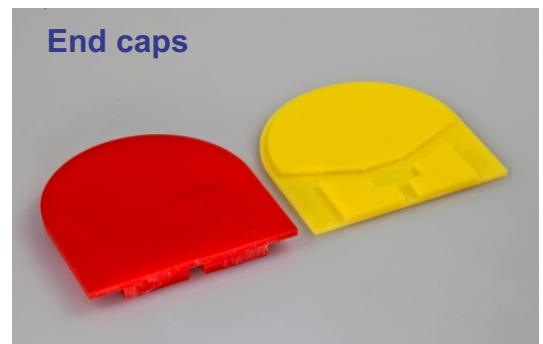


Converters

The profile base contains special pre-installed converters converting the mains voltage into the required LED current. Up to 50 LEDs can be powered by one converter. This is equivalent to a profile length of 1,000 mm.

End caps

For the open profile ends we offer acrylic end caps in different colours matching the cover. The caps are simply glued into the open profile ends after installation of the profile.



Joint sealing tape

Due to the thermal expansion of the acrylic material, an air gap must be left between the individual sections of the profile. This 5 to 10 mm wide gap can be closed with the joint sealing tape to prevent ingress of moisture and dirt. At the same time, the sealing tape allows the acrylic to expand.

