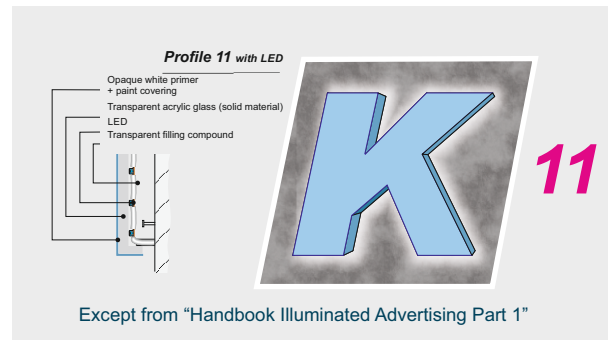
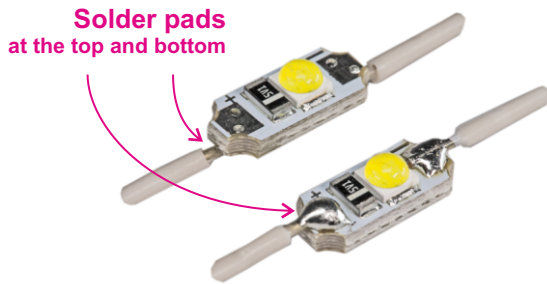


Description

LED Chain



Technical description

The ***hansen*** LED Chain is a light source for the illumination of solid acrylic letters (such as the Profile 11 and 12 letters described in the Handbook Illuminated Advertising Part 1). The LED Chain is designed to be placed in grooves cut into the letter and sealed with artificial resin.

The **LED Chain** can be used to produce illuminated letters shining to the front or to the rear.

The **LED Chain** consists of the following main components:

- Light-emitting diode (LED)
- Protective diode (Zener diode)
- Converter

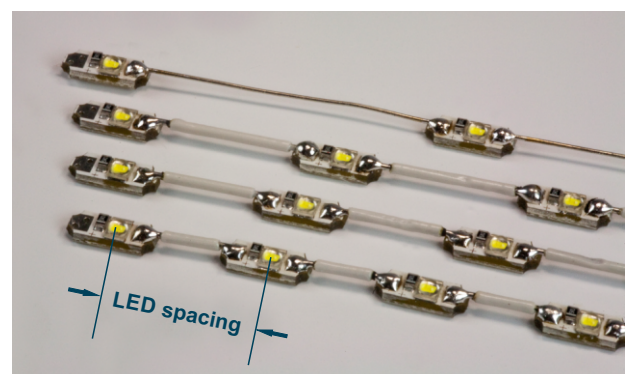
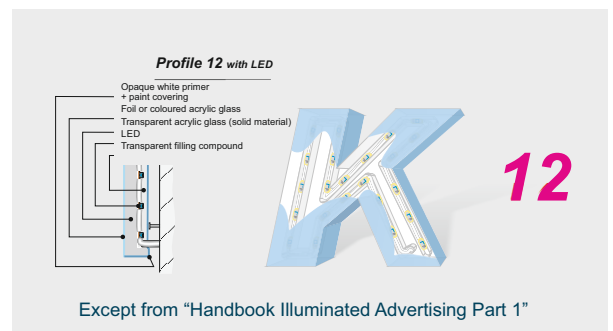
Each LED and protective diode is fitted to a small circuit board. The individual circuit boards are connected by wires of the same length soldered to the circuit boards. The components and connecting wires are not enclosed. The chain can be split or reconnected after each LED.

The connecting wires between the LEDs can be bent allowing the LED Chain to be routed around tight radii, corners and curves.

The following parameters can be varied:

- LED spacing
- LED power rating (brightness)
- Light colour (coloured or white)
- Colour temperature (for white LEDs)

Electrically, the LEDs form a series connection. Special converters for the operation of the LED Chain can be supplied as well. They supply a constant current protecting the LEDs against overloading.



LED Chain

LED power rating







The **hansen** LED Chain can be supplied with two different LED power ratings:

- LEDs with 0.08 W (white, blue, green)
- LEDs with 0.11 W (red, yellow, amber)

Light colours

The table on the right shows the available LED types with the respective current values and light colours. The group of white LEDs subdivides into the colour temperatures 2,700K (warm white), 3,000 K, 4,000 K, 5,000 K and 6,500 K (cool white).

LED types and light colours:

	LED
25 mA	  
50 mA	  

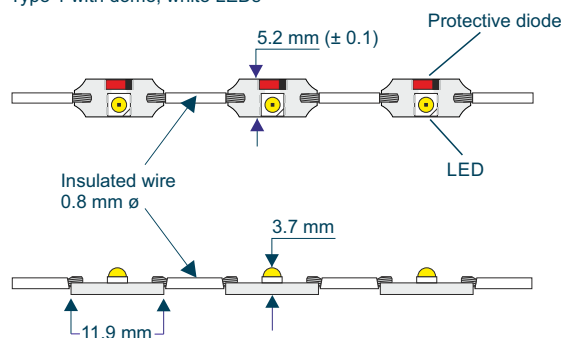
LED spacing

The LED Chain can be supplied with the LEDs spaced at the following intervals:

20 mm | 25 mm | 30 mm | 40 mm

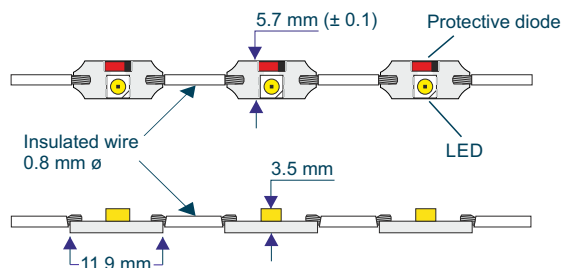
Dimensions

Type 1 with dome, white LEDs



Dimensions

Type 2 without dome, white and colored LEDs



Embedding the LEDs

The LED Chain is suitable for embedding in a two-component polyethylene- or silicone-based filling compound.

For more details feel free to contact us.

