DATA SHEET

LUX ELEMENTS®-CONCEPT-LL-... Light strips

CAUTION: Only an authorised qualified electrician may install the wiring and connect the power supply. The applicable national regulations of the country in which the installation takes place must be observed (in Germany this is the VDE, among others).

Technical data CONCEPT-LL-GFK

CONCEPT-LL-GFK (LCONLL4803) — indirect lighting, RGB or warm white, straight, for GFK profile

Cut-out dimensions length / width / depth: max. 3012 mm / 24 mm / 32 mm
Length of the LEDs: max. 2941 mm
Profile material: Aluminium
Cover material: Acrylic (opal, transparent)
Filling material: Two-component resin
LEDs: RGB: SMD-RGB LEDs
warm white: Osram Duris P5-SMD
Colouring: RGB or warm white
Ambient temperature: max. -20 ° to +60 ° Celsius
Protection class LED profile: IP 65
Power consumption: RGB: approx. 20 Watt/m
warm white: approx. 15 Watt/m
Connection voltage: 12 Volt
Connection type: RGB: supply cable with AMP plug
warm white: supply cable with round plug
Length of supply cable: 2,0 m

Product processed in accordance with the ESD directive and delivered ready to plug in — removal of the plug will lead to loss of the warranty!

Technical data CONCEPT-LL-G / CONCEPT-LL-R

CONCEPT-LL-G (LCONLL4804) — indirect lighting, RGB or warm white, straight, for a footboard or a bench shape in a steam cabin construction
CONCEPT-LL-R (LCONLL4802) — indirect lighting, RGB or warm white, rounded, for a footboard or a bench shape in a steam cabin construction

Profile width & depth: 15 x 15 mm
Profile length:
-LL-G: max. 3012 mm
-LL-R: Radius of front edge in mm
Length of the LEDs:
-LL-G: max. 2941 mm
-LL-R: Radius of front edge in mm
Profile material: Aluminium
Filling material: Two-component resin
LEDs: RGB: SMD-RGB LEDs
warm white: Osram Duris P5-SMD
Colouring: RGB or warm white
Ambient temperature: max. -20 ° to +60 ° Celsius
Protection class LED profile: IP 65
Power consumption: RGB: approx. 20 Watt/m
warm white: approx. 15 Watt/m
Connection voltage: 12 Volt
Connection type: RGB: supply cable with AMP plug
warm white: supply cable with round plug
Length of supply cable: 2,0 m

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**Controller (LCONLL4801.S)** *
LED-RGB master controller with interface for radio remote control and RJ45 to control the RGB-LEDs from 12 to 24 Volt. Radio remote control LCONLL4801.F or from the Fasel FCU-series sauna controller.

- **Output power:** max. 110 Watt (at 12 V)
- **Output voltage:** 12 Volt
- **Ambient temperature:** max. 0 ° to +40 ° Celsius
- **Dimensions:** 199 x 124 x 31 mm
- **Protection class:** IP 20
- **Output 4-pole with AMP plug**

**Power supply unit**
Input 230 Volt, with round plug incl. connecting cable

- **Power supply unit 30 Watt (LCONLL4801.N30)**
  - Length / width / height: 220 mm / 40 mm / 22 mm
  - Weight: 330 g
  - Ambient temperature: -20 ° to +55 ° Celsius
  - Protection class: IP 66

- **Power supply unit 60 Watt (LCONLL4801.N60)**
  - Length / width / height: 180 mm / 50 mm / 34 mm
  - Weight: 700 g
  - Ambient temperature: -20 ° to +55 ° Celsius
  - Protection class: IP 67

- **Power supply unit 120 Watt (LCONLL4801.N120)**
  - Length / width / height: 250 mm / 60 mm / 39 mm
  - Weight: 1150 g
  - Ambient temperature: -20 ° to +55 ° Celsius
  - Protection class: IP 67

**CAUTION! Guarantee only if lead seal is intact.**

**Radio remote control (LCONLL4801.F)** *
Radio remote control for LED control with 12 channels, 433 MHz, with the following programs: single colour selection, constantly repeating colour sequence at 3 different speeds, one self-programmed colour sequence up to max. 256 minutes, dimming of the brightness in 3 different intensities.

- **Protection class:** IP 65

**Wall bracket for radio remote control (LCONLL4801.W)** *

* only for RGB-light strips
The relevant recommendations and guidelines, as well as DIN regulations, European standards and safety datasheets are to be observed. The recognised architectural and technical rules apply. We accept liability for the perfect quality of our products. Our processing recommendations are based upon trials and practical experience; they can, however, be no more than general instructions without assurance as to their quality, since we have no influence on the site conditions, on the execution of the work and the processing. With the issuing of this product datasheet previous versions cease to be valid.

Technical data cabling

- **Y-cable**
  - Y-cable for RGB (LCONLL4805.Y2.RGB)
    2 outputs, 4-pole, cable length 300 mm
  - Y-cable for warm white with 2 outputs (LCONLL4805.Y2.WW)
    2 outputs, 2-pole, cable length 250 mm
  - Y-cable for warm white with 3 outputs (LCONLL4805.Y3.WW)
    3 outputs, 2-pole, cable length 250 mm

- **Extension cable**
  - Extension cable 1 m for RGB (LCONLL4806.RGB.1)
  - Extension cable 7 m for RGB (LCONLL4806.RGB.7)
  - Extension cable 10 m for RGB (LCONLL4806.RGB.10)
  - Extension cable 1 m for warm white (LCONLL4806.WW.1)
  - Extension cable 7 m for warm white (LCONLL4806.WW.7)

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