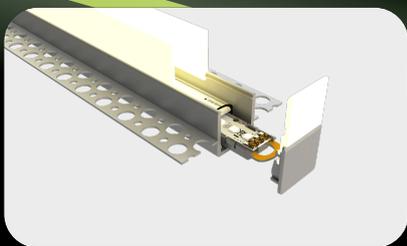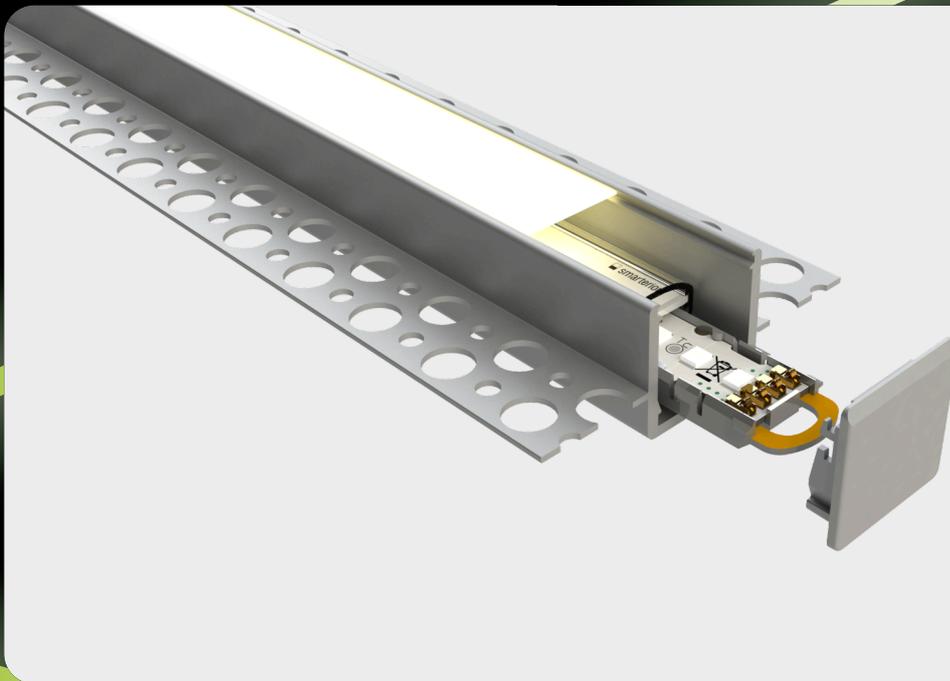# LUXKIT

**Simple to handle, flexible to use.**
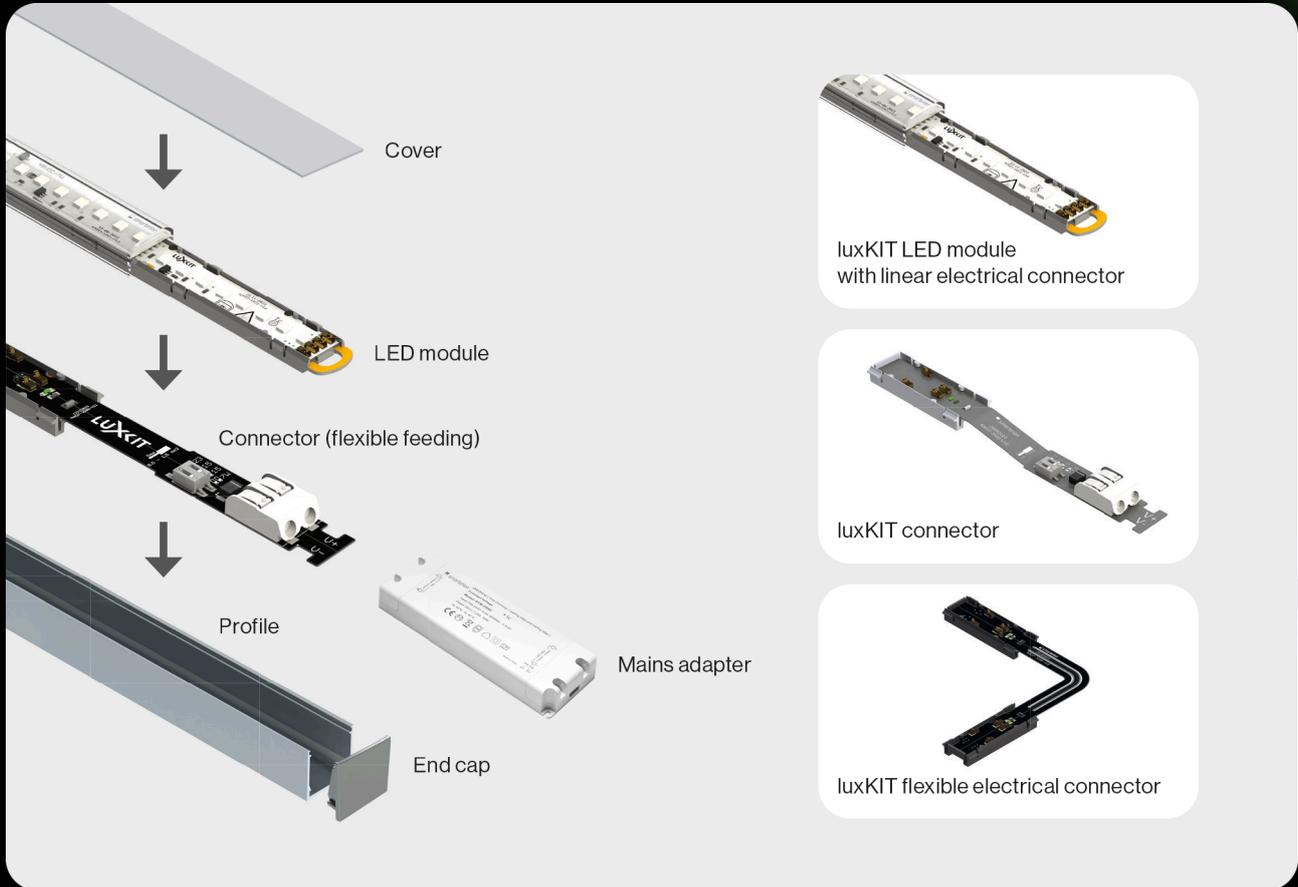




## Data sheet
# luxKIT G20

Hochwertiges Trockenbauprofil mit seitlichen Flügeln für den Anschlag der Gipsplatte. L 2400 x B 60 x H 22 mm aus Aluminium. luxKIT, das neue lineare LED-Baukastensystem ist spielend einfach zu montieren, jederzeit digital bestellbar, wirtschaftlich und reparierbar.

- 100% shadow-free for continuous light
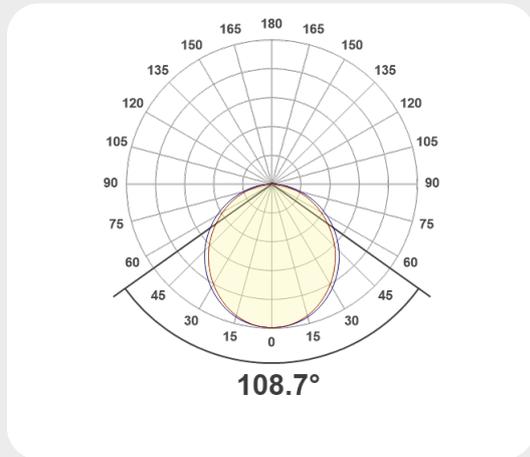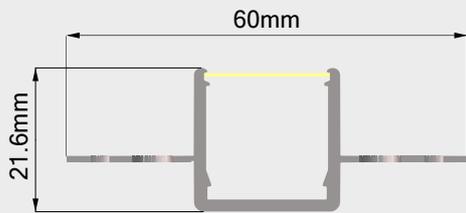- Simple to understand and easy to install
- Flexible modular LED system for linear light made to measure
- Installation at the speed of light with the click system
- New app for easy planning and ordering
- No soldering, tool-free installation, power supply possible anywhere
- Patented world first
- Ready2Repair: components can be replaced at any time, which ensures sustainability

smarterion

# luxKIT G20

Cover

LED module

Connector (flexible feeding)

Profile

Mains adapter

End cap

luxKIT LED module
with linear electrical connector

luxKIT connector

luxKIT flexible electrical connector

## 20.050 luxKIT G20 - 20-O

60mm

21.6mm

108.7°

## 20.050 luxKIT G20 - U20-O

60mm

40.6mm

21.6mm

145.3°
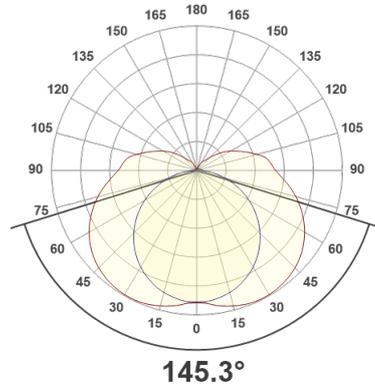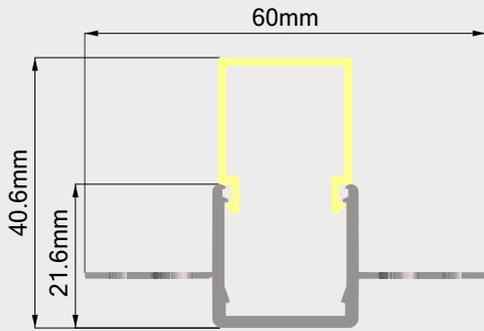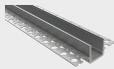
## Profile

**Article number**
1100131

| Article number | GTIN | Designation | Properties |
|---|---|---|---|
| 1100131 | 7640382278388 | luxKIT Profil G20 | blank |

## Covers and end caps



Article number
1007672

| Article number | GTIN | Designation | Properties |
|---|---|---|---|
| **luxKIT Diffuser 20-O** | | | IK03 |
| 1007672 | 7640382275066 | luxKIT Diffuser 20-O | opal |
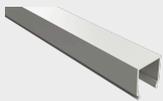


Article number
1007987

| Article number | GTIN | Designation | Properties |
|---|---|---|---|
| **luxKIT Diffuser U20-O** | | | IK03 |
| 1007987 | 7640382276223 | luxKIT Diffuser U20-O | opal |

## LED modules incl. electrical connector linear

Article number
1100037

Article number
1007652 / 1007653 / 1007654 /
1008062

Article number
1100045

| Article number | GTIN | Designation | Properties |
| --- | --- | --- | --- |
| 1100037 | 7640382276230 | luxKIT LED Modul RGB | 48V DC |
| 1007652 | 7640382274977 | luxKIT LED Modul SW | 48V DC / 2700 K / CRI80 |
| 1007653 | 7640382274984 | luxKIT LED Modul SW | 48V DC / 3000 K / CRI80 |
| 1007654 | 7640382274991 | luxKIT LED Modul SW | 48V DC / 3500 K / CRI80 |
| 1008062 | 7640382275912 | luxKIT LED module | 48V DC / 3500 K / CRI80 |
| 1100045 | 7640382277817 | luxKIT LED Modul TW | 48V DC / 2700...6500 / CRI80 |

## Accessories

Article number
1100038

Article number
1100046

Article number
1007693

Article number
1100094

Article number
1100048

Article number
1007669

Article number
1100192

| Article number | GTIN | Designation | Properties |
|---|---|---|---|
| 1100038 | 7640382276247 | luxKIT 48V connector RGB | Connection terminal 0.75 mm$^2$ |
| 1100046 | 7640382277824 | luxKIT 48V connector TW | Connection terminal 0.75 mm$^2$ |
| 1007693 | 7640382275073 | luxKIT Flex connector SW | max. 5A / 50V |
| 1100094 | 7640382277930 | luxKIT Flex-connector RGB/TW | max. 5A / 50V |
| 1100048 | 7640382277831 | luxKIT cable connector | max. 5A / 50V |
| 1007669 | 7640382275059 | luxKIT 48V connector SW | Connection terminal 1.5 mm$^2$ |
| 1100192 | 7640382278869 | luxKIT Kabelverbinder SW | |

## 48 VDC control gear

Article number
1007406

Article number
1007408

Article number
1007704

Article number
1100079

Article number
28003840 / 28003841 / 28003842 /
28003843 / 87501112 / 87501113 /
87501114 / 87501115

Article number
1100080

Article number
1100081

| Article number | | GTIN | Designation | Properties |
|---|---|---|---|---|
| 28003841 | | 9006210762043 | Power supply LC 60W 48V one4all | L 195 x W 43 x H 30 mm |
| 28003842 | | 9006210762111 | Power supply LC 100W 48V one4all | L 225 x W 43 x H 30 mm |
| 28003843 | | 9006210762180 | Power supply LC 200W 48V one4all | L 325 x W 43 x H 30 mm |
| 87501112 | | 9006210833934 | Power supply LC 35W 48V | L 142 x W 43 x H 30 mm |
| 87501113 | | 9006210833941 | Power supply LC 60W 48V | L 225 x W 43 x H 30 mm |
| 87501114 | | 9006210833958 | Power supply LC 100W 48V | L 295 x W 43 x H 30 mm |
| 87501115 | | 9006210833965 | Power supply LC 200W 48V | L 325 x W 43 x H 30 mm |
| 28003840 | | 9006210761978 | Power supply LC 35W 48V | L 195 x W 43 x H 30 mm |
| 1007406 | | 7640382275080 | Power supply 48V 60W triac | L 178 x W 61 x H 24 mm |
| 1007408 | | 7640382275103 | Power supply 48V 90W triac | L 180 x W 60 x H 35 mm |
| 1007704 | | 7640382275158 | Power supply 48V 200W phase dimmable | L 343 x W 68 x H 41 mm |
| 1100079 | | 7640382277855 | LED Controller Bluetooth for TW/RGB | L 179 x W 56 x H 30 mm |
| 1100080 | | 7640382277879 | Radio remote control for LED controller | L 122 x W 53 x H 17.5 mm |
| 1100081 | | 7640382277862 | DALI Dimmer TW/RGB | L 175 x W 45 x H 27 mm |

## Specific technical data LED module

### Article number 1007652

| Performance | Luminous flux | Color temperature | CRI | SDCM | Maximum length *) | Energy class |
|---|---|---|---|---|---|---|
| 8.4 W | 1254 lm | 2700 K | 80 | 3 | 21 m | D |
| 18 W | 2619 lm | 2700 K | 80 | 3 | 13 m | D |
| 27.6 W | 3977 lm | 2700 K | 80 | 3 | 9 m | D |

### Article number 1007653

| Performance | Luminous flux | Color temperature | CRI | SDCM | Maximum length *) | Energy class |
|---|---|---|---|---|---|---|
| 8.4 W | 1265 lm | 3000 K | 80 | 3 | 21 m | D |
| 18 W | 2643 lm | 3000 K | 80 | 3 | 13 m | D |
| 27.6 W | 4012 lm | 3000 K | 80 | 3 | 9 m | D |

### Article number 1007654

| Performance | Luminous flux | Color temperature | CRI | SDCM | Maximum length *) | Energy class |
|---|---|---|---|---|---|---|
| 8.4 W | 1367 lm | 4000 K | 80 | 3 | 21 m | D |
| 18 W | 2855 lm | 4000 K | 80 | 3 | 13 m | D |
| 27.6 W | 4335 lm | 4000 K | 80 | 3 | 9 m | D |

### Article number 1008062

| Performance | Luminous flux | Color temperature | CRI | SDCM | Maximum length *) | Energy class |
|---|---|---|---|---|---|---|
| 8.4 W | 1337 lm | 3500 K | 80 | 3 | 21 m | D |
| 18 W | 2793 lm | 3500 K | 80 | 3 | 13 m | D |
| 27.6 W | 4241 lm | 3500 K | 80 | 3 | 9 m | D |

### Article number 1100037

| Performance | Luminous flux | Color temperature | CRI | SDCM | Maximum length *) | Energy class |
|---|---|---|---|---|---|---|
| 5.4 W | 297 lm | red | | | 10 m | |
| 6.2 W | 614 lm | green | | | 10 m | |
| 5.8 W | 167 lm | blue | | | 10 m | |
| 18 W | 981 lm | RGB | | | 10 m | |

### Article number 1100045

| Performance | Luminous flux | Color temperature | CRI | SDCM | Maximum length *) | Energy class |
|---|---|---|---|---|---|---|
| 18 W | 2244 lm | 2700 K | 80 | 3 | 10 m | D |
| 18 W | 2437 lm | 6500 K | 80 | 5 | 10 m | D |

*) The specification of the maximum length refers to a connection cable with a length of 1 m and a cross-section of 1.5mm$^2$. The maximum length decreases with increasing length and smaller cross-section. Here you will find a table with different cable lengths: download

## Technical data

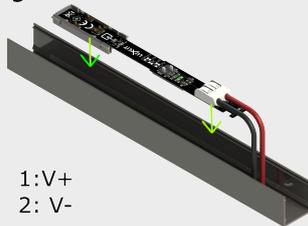| | |
|---|---|
| Storage temperature | -25 … +50 °C |
| Max. surface temperature | 65 °C |
| Ambient temperature ta | 25 °C |
| Service life L80B10 (h) @ ta = 25°C | 80000 h |

## Lighting design

**RELUX®**

click on the Relux icon to access our lighting design data directly

## Electrical connection
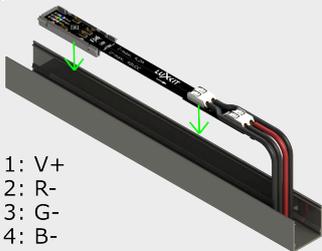
### Single White



Ø0.5 - 1.5mm²
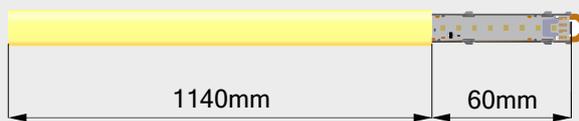48V DC

1: V+
2: V-

### Tunable White



Ø0.2 - 0.75mm²
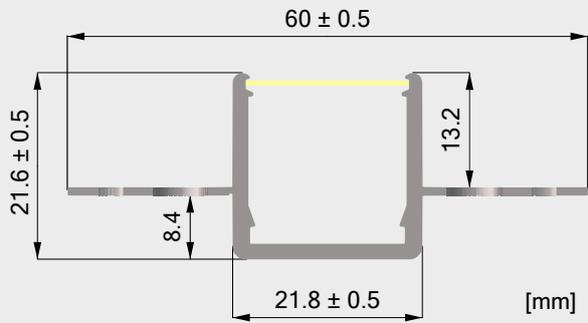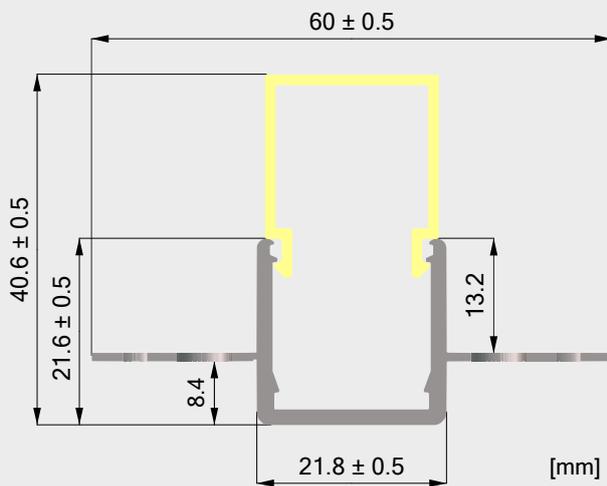48V DC

1: V+
2: WW-
3: CW-

### RGB



Ø0.2 - 0.75mm²
48V DC

1: V+
2: R-
3: G-
4: B-

## 20.050 luxKIT G20 - 20-O
### Dimensions

60 ± 0.5

21.6 ± 0.5

13.2

8.4

21.8 ± 0.5

[mm]

1140mm

60mm

## 20.050 luxKIT G20 - U20-O
### Dimensions

60 ± 0.5

40.6 ± 0.5

21.6 ± 0.5

13.2

8.4

21.8 ± 0.5

[mm]

1140mm

60mm
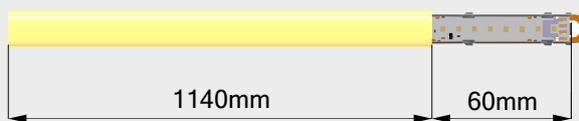
## Assembly instructions

20.050 luxKIT G20 - 20-O

20.050 luxKIT G20 - U20-O

**Cleaning and care**

Clean the luminaire with a damp, lint-free cloth. Do not scrub! In case of heavy soiling, a weak soapy solution can be used (microfiber cloth with detergent). Do not use abrasive cleaners. Do not wipe the light dry, as the resulting static charge can destroy the electronics.

**Warnings**

The equipment may only be installed and put into service by authorised technical personnel (electrical fitters). The luminaire is designed solely for lighting applications and is to be installed according to the installation regulations. Any other form of use or installation is considered to be improper. Failure to comply with the installation instructions can damage the luminaire beyond repair. Return to the manufacturer if any defects are identified. The installation instructions must be retained for future reference. Subject to technical changes. Not to be installed on a wet or conductive substrate. The luminaire is only to be installed, put into service or modified in any way by authorised skilled personnel (a qualified electrician). National installation regulations must be observed. Before any work is performed on the luminaire, it must be disconnected from mains. Hot plug-in is not an option and may cause damage to the luminaire! The manufacturer is not liable for damage resulting from improper/faulty installation or operation, or from unauthorised modifications to the luminaire. The light source contained in this luminaire is only to be replaced by the manufacturer, a service technician authorised by the manufacturer or a similarly qualified person. Caution, risk of electric shock! In the event of questions or queries, please contact the manufacturer.

Disconnect the luminaire from the power supply.

Caution, risk of electric shock!

**DISPOSAL**

The packaging must be recycled via the DSD (Green Dot) scheme or its equivalent. Dispose of the packaging correctly sorted. Waste electrical and electronic equipment must never be disposed of together with household waste. In accordance with the EU directives,the device must be disposed of in an orderly manner at the end of its service life. This means having the materials contained in the device recycled to avoid polluting the environment. Takethe waste equipment to a collection point for electrical and electronic waste or to a recycling depot. For further information, please contact your local waste disposal service or your local authority.

To avoid hazards, only LED converters approved by us may be used, otherwise all warranty claims will be invalidated. Exceptions can be approved by the manufacturer.
Permitted LED converters:
 – smarterion Triac Power supply units
– Meanwell, HLG
– Tridonic LC/LCA

Light source replaceable by end user.

Control gear can be replaced by a specialist: The transformer must be replaced by a qualified electrician.

# LUX<IT

## Simple to handle, flexible to use.

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