

Description of system

LED-lighting system for route ways and building illumination

FLEXblue

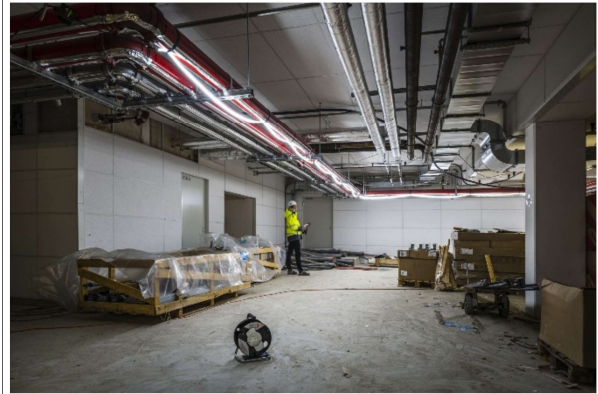
The **FLEXblue**-lighting strips are designed for the illumination of route ways, buildings and construction sites.

The LED-lighting strips meet the requirements of illumination for work places.

All components are in accordance with the **CE**-, **REACH**- and **RoHS**-guidelines.

All lighting strips are ready for immediate use incl. installation material.

The strip is designed for a continuous use. A shut down due to cooling purposes is not required.

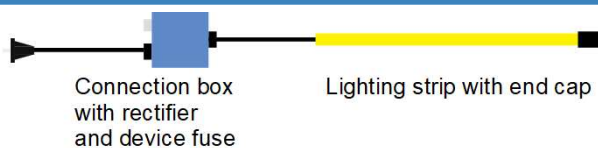


The **FLEXblue-system** is designed modularly and therefore it is very flexible. The system can be extended easily according to the construction progress.

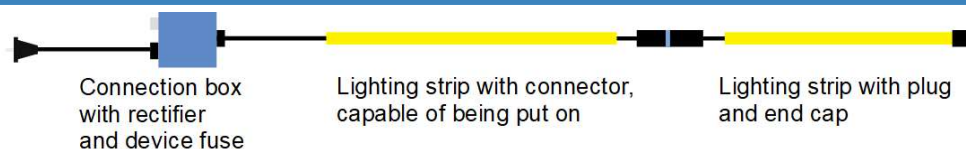
A line extension completes the portfolio for areas where an illumination is not required.

The complete system is hose-proof, classified safety class **IP65**.

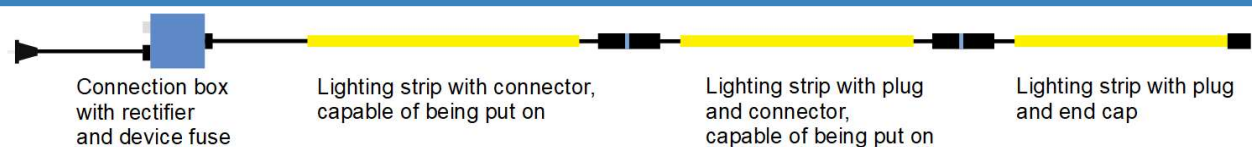
FLEXblue LED-lighting system



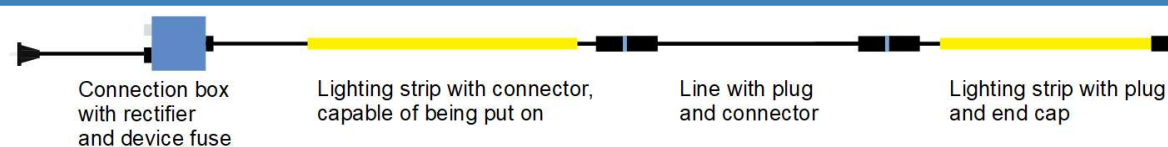
FLEXblue LED-lighting system with lighting strip extension



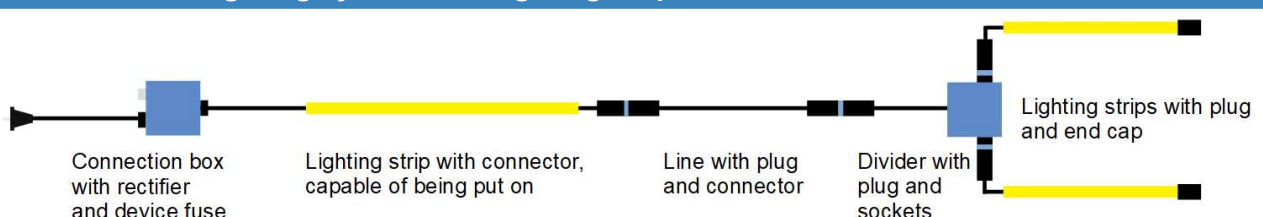
FLEXblue LED-lighting system with twice lighting strip extension



FLEXblue LED-lighting system with lighting strip- and line extension



FLEXblue LED-lighting system with lighting strip-, wire extension and divider



Components of the system

All components are in accordance with the **CE-**, **REACH-** and **RoHS-**guidelines.



LED-lighting strip

- 120 high performance-LEDs per meter
- Milky jacket material to reduce dazzling
- Hose-proof, safety class IP65
- Installation instruction, cable ties included
- **Non silicone** jacket material
- Colour temperature of the light approx. 5000 K (similar to daylight)



Version with connection box...

- 5 m-rubber hose line with shaped plug
- 0.5 m LED-connection cable
- Input voltage 230 – 240 VAC
- Rectifier and device fuse
- Protection against highest stress peaks

...and end cap

- End cap sealed with heat shrink tube



Item no.: **SW-3550/***/A**

(*** Length of lighting strip in 5 m-steps up to **100 m**)

...and system-connector (capable of being put on)

- System-connector lockable with protection cap



Item no.: **SW-3550/***/AK**

(*** Length of lighting strip in 5 m-steps up to **50 m**)

Version with system-plug...

- 0.2 m LED-connection cable with system-plug
- Plug lockable with protection cap
- Input voltage 230 – 240 VDC

...and end cap

- End cap sealed with heat shrink tube



Item no.: **SW-3550/***/S**

(*** Length of lighting strip in 5 m-steps up to **50 m**)

...and system-connector (capable of being put on)

- System-connector lockable with protection cap

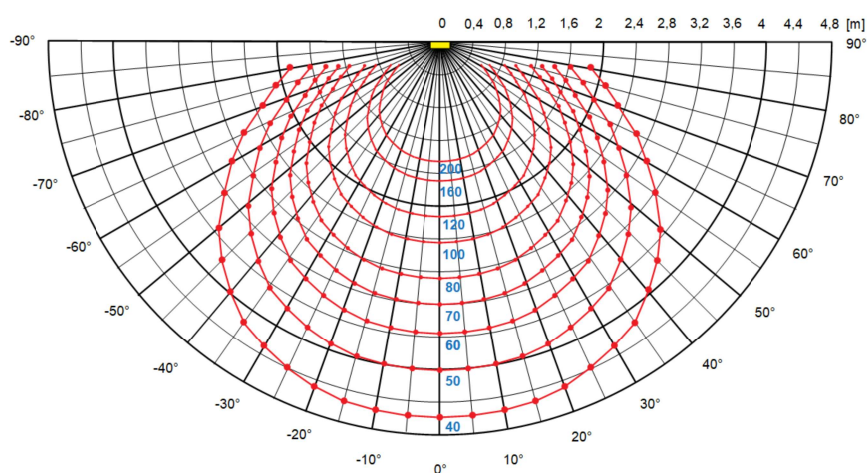


Item no.: **SW-3550/***/SK**

(*** Length of lighting strip in 5 m-steps up to **50 m**)

| Technical data | LED-lighting strip |
|---|--------------------------------------|
| Angle of illumination | > 160 degree |
| Colour temperature of the light | approx. 5000 K (similar to daylight) |
| Service life (mttf) at $T_{en} = 25\text{ °C}$ | approx. 50,000 hours |
| Typical vertical illumination (1 m-distance) | > 300 lx |
| Operating temperature | -20 °C to +50 °C |
| Power consumption | < 8 W per meter |
| Dimension (width x height) | approx. 12 x 7 mm |
| Weight | < 100 g per meter |
| Safety class / degree of protection | IP65 / 2 |
| Burning characteristic | self extinguishing |
| Maximum length of the total lighting strip system | 100 m |

Typical illumination diagram, all figures in [lx]



FLEXblue divider

Divider incl. system plug

- 0.3 m connection cable with system-plug
- Reinforced plastic housing
- Safety class IP65, hose-proof
- 2 sockets for system-plug
- Plug and sockets lockable with protection caps



Item no.: **SW-3547**

Connection-box as a divider

- 5 m-rubber hose line with shaped plug
- Input voltage 230 – 240 VAC
- Rectifier and device fuse
- Protection against highest stress peaks
- Safety class IP65, hose-proof
- 2 sockets for system-plug



Item no.: **SW-3688**




FLEXblue extension of line




- Line with system-plug and system-connector
- Plug and connector lockable with protection cap
- Safety class IP65, hose-proof



Item no.: **SW-3548/****

(** Length of the line in 5 m-steps up to 20 m)

| Accessory switches | | |
|---|---|--|
| Motion sensor | Twilight switch | Connection box for motion sensor and twilight switch |
| <ul style="list-style-type: none"> Reinforced plastic housing Safety class IP54, splash water-proof 5 m connection cable with system-plug Plug lockable with protection cap  <p>Item no.: SW-3581</p> | <ul style="list-style-type: none"> Reinforced plastic housing Safety class IP54, splash water-proof 5 m connection cable with system-plug Plug lockable with protection cap  <p>Item no.: SW-3582</p> | <ul style="list-style-type: none"> Reinforced plastic housing Safety class IP54, splash water-proof 5 m connection cable with shaped-plug Plug-socket On/Off-Switch  <p>Item no.: SW-3580</p> |

| Additional installation material | | |
|---|---|---|
| Hook- and loop cable tie | Installation dowels | Cable clamps |
| <ul style="list-style-type: none"> Length 300 mm Width 20 mm Packing unit: 10 pieces  <p>Item no.: SW-3561</p> | <ul style="list-style-type: none"> Length 30 mm Ø 6 mm Packing unit: 10 pieces  <p>Item no.: SW-3625</p> | <ul style="list-style-type: none"> Length 140 mm Width 20 mm Packing unit: 10 pieces  <p>Item no.: SW-3395</p> |

| Transport- and storage aids | | |
|---|---|---|
| Bag | Reel small | Reel large |
| <ul style="list-style-type: none"> Bag Ø 390 mm Height 120 mm For FLEXblue-lighting strips up to 25 m  <p>Item no.: SW-3562</p> | <ul style="list-style-type: none"> Reel Ø 290 mm For FLEXblue-lighting strips up to 50 m Colour black With foot step to fix the reel  <p>Item no.: SW-3419/290</p> | <ul style="list-style-type: none"> Reel Ø 380 mm For FLEXblue-lighting strips up to 100 m Colour orange  <p>Item no.: SW-3419/380</p> |

Switch GmbH keeps the right to alter the product with regard to technical improvement without further notice.
Description of system: FLEXblue_SBE25-B

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