

Technical data

| | |
|--------------------|---|
| Power supply | 230 V - 50 Hz |
| Versions | Standard or Autotest |
| Functioning mode | Non maintained |
| Duration | 1h or 3h versions |
| Batteries | NiCd for 1 hour models NiMH for 3 hours with pulsing charge |
| Charging time | 24 h. |
| Driver dimensions | 215 x 33,5x30 mm. |
| Battery dimensions | 22,8 x 211 mm (1 hour models) 24,5 x 260 mm (3 hours models) |
| Class | II |
| IP | 20 |
| IK | 04 |

General description

End caps / Wire retention

Test button

Charging LED in standard version.
Charging and status bicolor LED in Autotest versions.

- Protected against open circuit and short circuit
- Constant voltage output: A microcontoller controls the output voltage to adapt it to the LED module connected and to improve the performance (higher lumen output through battery).
- Installation inside and / or outside the luminaire
- Design according to the EN 61347-2-7 norm.
- Can resist shortcircuits
- Maximum commutation current: 2A
- Maximum commutation voltage: 125V

Lumen output calculation

Luminaire efficiency calculation:

$$Lm/W_{luminaire} = \frac{Lm_{Net lumens}}{P_{luminaire}}$$

Emergency mode output calculation:

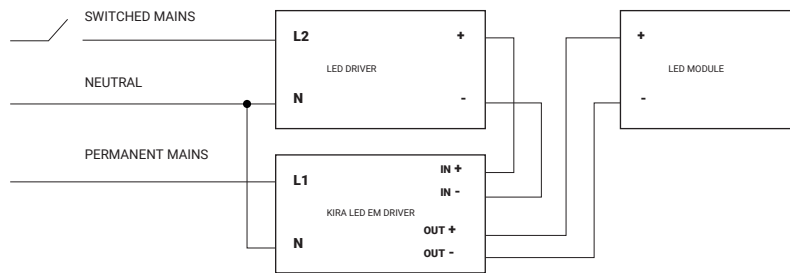
$$Lm_{Emergency mode} = 3,75 \times Lm/W_{luminaire}$$

References

Standard

| | OPERATING TEMPERATURE | CHARGE CURRENT | DISCHARGE CURRENT | OUTPUT VOLTAGE RANGE | DURATION | BATTERY | INPUT POWER WITH MAINS | INPUT CURRENT WITH MAINS | OUTPUT POWER EMERGENCY | OUTPUT CURRENT EMERGENCY |
|------------------------|-----------------------|----------------|-------------------|----------------------|----------|-------------------|------------------------|--------------------------|------------------------|--------------------------|
| KXYLED-100 | 5°C - 45°C | 75 - 95 mA | 650 - 900 mA | 40-100 V | 1 h | 6 V - 1,5 Ah NiCd | 1,3 W | 14 mA | 3,75 W | 35-80 mA |
| KXYLED3-100 | 5°C - 45°C | 200 - 220 mA | 650 - 900 mA | 40-100 V | 3 h | 6 V - 4,0 Ah NiMh | 2,4 W | 21 mA | 3,75 W | 35-80 mA |
| SELV KXYLED-50 | 5°C - 45°C | 75 - 95 mA | 650 - 900 mA | 10-50 V | 1 h | 6 V - 1,5 Ah NiCd | 1,3 W | 14 mA | 3,75 W | 75-375 mA |
| SELV KXYLED3-50 | 5°C - 45°C | 200 - 220 mA | 650 - 900 mA | 10-50 V | 3 h | 6 V - 4,0 Ah NiMh | 2,4 W | 21 mA | 3,75 W | 75-375 mA |
| KXYLED-200 | 5°C - 45°C | 75 - 95 mA | 650 - 900 mA | 50-220 V | 1 h | 6 V - 1,5 Ah NiCd | 1,3 W | 14 mA | 3,75 W | 15-75 mA |
| KXYLED3-200 | 5°C - 45°C | 200 - 220 mA | 650 - 900 mA | 50-220 V | 3 h | 6 V - 4,0 Ah NiMh | 2,4 W | 21 mA | 3,75 W | 15-75 mA |

Wiring scheme

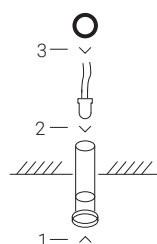


Mounting instructions

- 1- Take out the end caps
- 2- Wire following the connection scheme
- 3- Connect the battery if needed
- 4- Place back the end covers

Description of mounting a charging LED in the ceiling

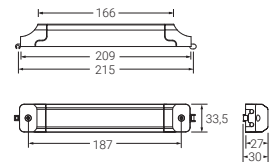
- Enclosed you will find the following parts: Tube with hood, an O-ring and a plastic LED holder with ring.
- Drill a hole of Ø9mm in the ceiling at about 50 mm from the edge of the luminaire
 - Insert the tube through the hole and slide the O-ring over the charge LED. (1)
 - Slide the charge LED into the tube until it stops. (2)
 - Now slide the O-ring over the tube until you touch the top of the ceiling. (3)
 - Now the Charge LED is installed.
 - If you would like to mount the charging LED in the luminaire use the enclosed plastic LED holder with ring. To do this, you must drill a Ø6.5mm hole.



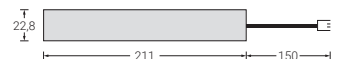
Dimensions

SELV Safety Extra-Low Voltage

Driver



Battery 1 hour model



Battery 3 hours model



- ! - Wires of the status and or charge LED cannot be longer than 1 meter and the wires between the KIRA LED and the led module cannot be longer than 3 meters.
- Carry out the maintenance with mains off and the battery disconnected.
- Do not install over a conductive surface
- Change the battery when the specified duration is not reached.

Charge & status led holders

