

KIRA LED

General description



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)
IP	20
IK	04

- 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: 125w

Lumen output calculation

Luminaire efficiency calculation:

$$\frac{Lm}{W}_{luminaire} = \frac{Lm_{Net lumens}}{P_{luminaire}}$$

Emergency mode output calculation:

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

References

Standard

SELV
SELV

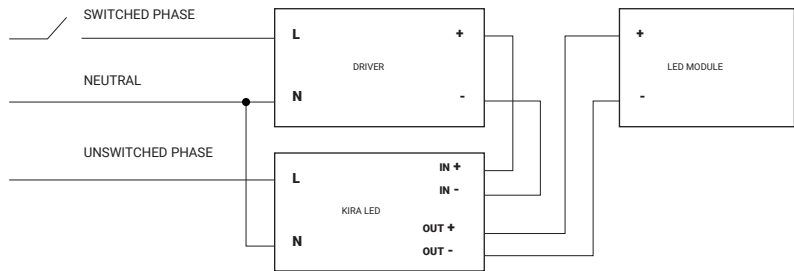
	OPERATING TEMPERATURE	CHARGE CURRENT	DISCHARGE CURRENT	OUTPUT VOLTAGE RANGE	DURATION	BATTERY	INPUT POWER WITH MAINS	INPUT CURRENT WITH MAINS	OUTPUT POWER EMERGENCY	OUTPUT CURRENT EMERGENCY
KXYLED-100	5°C - 45°C	75 - 95 mA	650 - 900 mA	40-100 V	1 h	6 V · 1,5 Ah NiCd	1,3 W	14 mA	3,75 W	35-80 mA
KXYLED3-100	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

Self-test

SELV
SELV

	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
KXYLEDA-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
KXYLEDA3-100	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 KXYLEDA-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 KXYLEDA3-50	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
KXYLEDA-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
KXYLEDA3-200	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 cups
- 2- Wire following the connection scheme
- 3- Connect the battery if needed
- 4- Place back the end covers

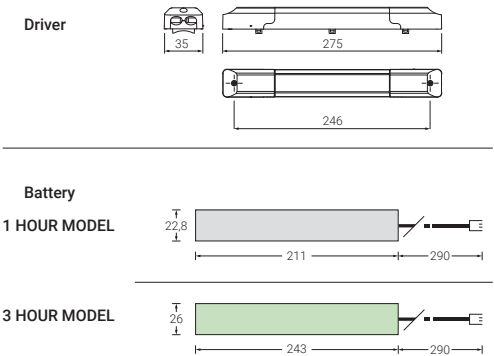
- ! - Wires of the status and or charge LED cannot be longer than 1 meter and the wires between the KIRA LED and the led module cannot be longer than 3 meters.

! - 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.

Dimensions

SELV Safety Extra-Low Voltage



More information:



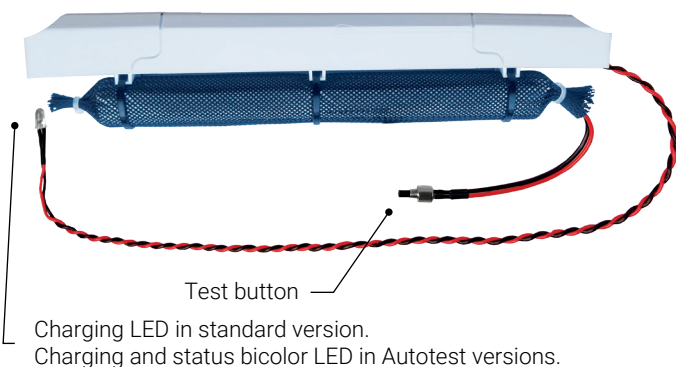
Autotest
Instructions

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KIRA LED



General description



Lumen output calculation

Luminaire efficiency calculation:

$$\frac{\text{Lm}}{\text{W}}_{\text{luminaire}} = \frac{\text{Lm}_{\text{Net lumens}}}{\text{P}_{\text{luminaire}}}$$

References

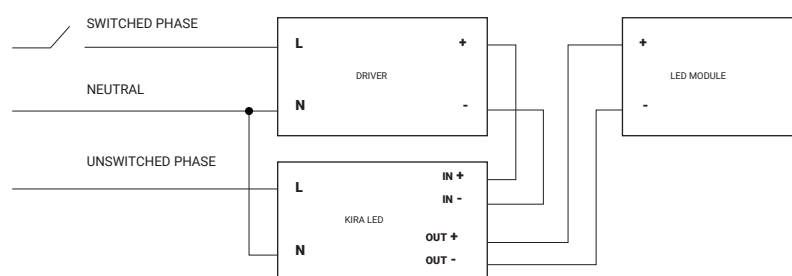
Standard

	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-100E	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
KXYLED3-100E	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-50E	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
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KXYLED-200E	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
KXYLED3-200E	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

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Class	II
IP	20
IK	04

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- Installation inside and / or outside the luminaire
- Design according to the EN 61347-2-7 norm.
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- Maximum commutation voltage: 125w

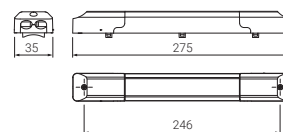
Emergency mode output calculation:

$$\text{Lm}_{\text{Emergency mode}} = 3,75 \times \text{Lm/W}_{\text{luminaire}}$$

Dimensions

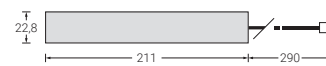
SELV Safety Extra-Low Voltage

Driver

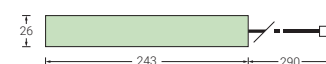


Battery

1 HOUR MODEL



3 HOUR MODEL



More information:

Autotest
Instructions

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