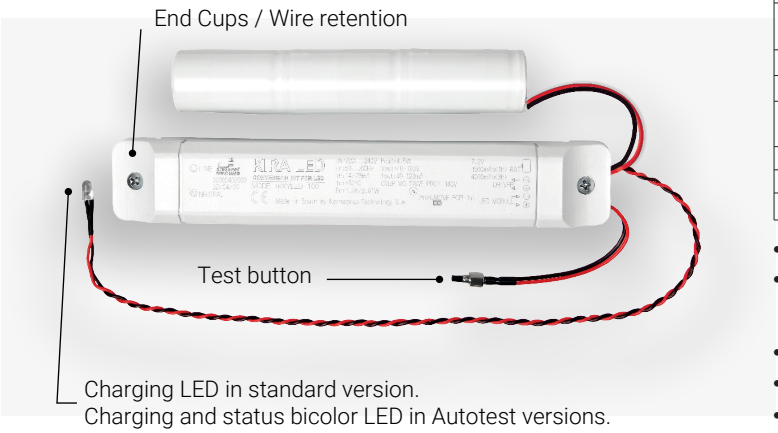
NORMALUX

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)
Class	II
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:

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

Emergency mode output calculation:

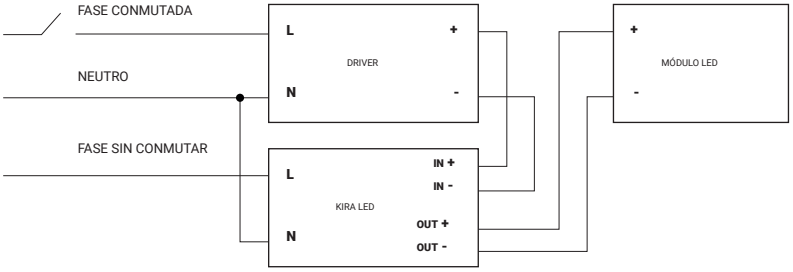
$$Lm_{Emergency\ mode} = 3{,}75 \times Lm/W_{luminaire}$$

References

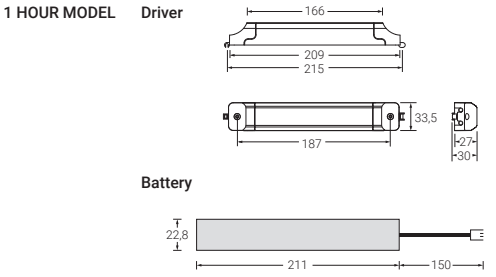
			OUTPUT VOLTAGE RANGE	DURATION	BATTERY	INPUT POWER WITH MAINS	INPUT CURRENT WITH MAINS	OUTPUT POWER EMERGENCY	OUTPUT CURRENT EMERGENCY
Estándar	SELV	**KXYLED-50**	10-50 V	1 h	6 V · 1,5 Ah NiCd	1,3 W	14 mA	3,75 W	75-375 mA
	SELV	**KXYLED3-50**	10-50 V	3 h	6 V · 4,0 Ah NiMh	2,4 W	21 mA	3,75 W	75-375 mA
		KXYLED-200	50-220 V	1 h	6 V · 1,5 Ah NiCd	1,3 W	14 mA	3,75 W	15-75 mA
		KXYLED3-200	50-220 V	3 h	6 V · 4,0 Ah NiMh	2,4 W	21 mA	3,75 W	15-75 mA
Autotest	SELV	**KXYLEDA-50**	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**	10-50 V	3 h	6 V · 4,0 Ah NiMh	2,4 W	21 mA	3,75 W	75-375 mA
		KXYLEDA-200	50-220 V	1 h	6 V · 1,5 Ah NiCd	1,3 W	14 mA	3,75 W	15-75 mA
		KXYLEDA3-200	50-220 V	3 h	6 V · 4,0 Ah NiMh	2,4 W	21 mA	3,75 W	15-75 mA

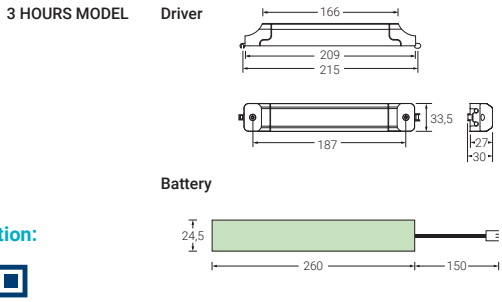
SELV Safety Extra-Low Voltage

Wiring scheme



Dimensions





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.

Using conversion kits as continuity lighting devices for emergency lighting

These devices guarantee the continuity of the general lighting for the period of time declared by the manufacturer. Connecting the device to a luminaire, it allows the luminaire to continue working even in case of a mains failure during a determined amount of time. These devices feed the luminaire for either 1, 2 or 3 hours, depending on the device being used and the power of the luminaire where it is connected.

To install a continuity device to a luminaire and use it as emergency lighting is not legal. It would only be legal if the kit and the luminaire comply with the EN 60598.2.22 and it is certified accordingly.

More information:

Autotest Instructions

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