Elettronica per luce s.r.l

Power supplies for cold cathode lamps.
Via Caravaggio 20033 Desio MI

MAXI 5050

DATA SHEET neon convertor Type MAXI ECG 5050

- Available in the following versions: *Standard, Dimmer(built in), Flasher(built in), Remote control, Remote dimmer (0-10v Standard)*
- Compliant with standard EN 61347-2-10 for the **L.V. Directive**
- Compliant withstandard EN 61000-3-2, EN 55015 3rd ed., EN 61547 for the **EMC Directive**
- **Type B** convertor in accordance with EN 61347-2-10 (protection against secondary ground fault leakage is required)
- 230v. input, with Italian or Schuko plug and a 1,5m cable.
- Output with 1m cable type **B** (as per EN 50143). Insulation in silicon. External diameter 6,3mm. Section 1mm^2

Electrical data:

Input :	Voltage	Volt 200 - 250
	Current	Ampere 0,5 (at 230v)
	Frequency	Hertz 50/60
	Power	Watt 120 maximum
	Power factor	$\lambda > 0.98$
Input control :	Remote control flasher	0 volt= on 5…10 volt DC(10mA)=off
	Remote dimmer	0 volt=minimum light 10 volt=maximum light
	(without any connections on remote wire the light is maximum)	
Output:	Voltage	Volt 2.5 KV – E – 2.5KV rms maximum
	Nominal load current	mA 42
	Short circuit current	mA 50
	Frequency	Hertz 24.500

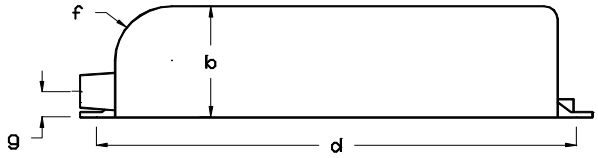
Performances:

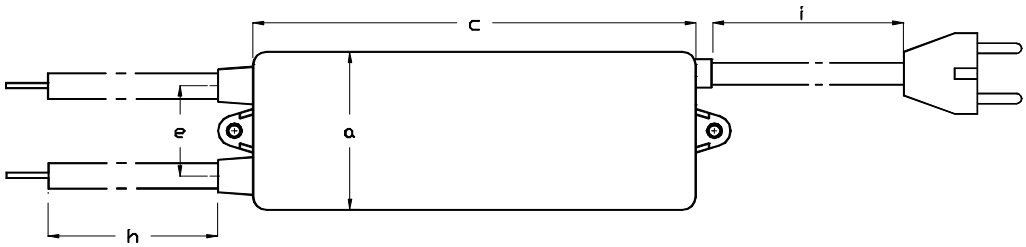
- These power supplies are not compatible with any type of in-line flashers or dimmers.
- For dimming and flashing applications, remote dimmer or remote control converter model must be used.
- Suitable both for lamps loaded with argon + mercury gas as well as with 100% neon gas (lack of "bubble" effect and of mercury migration)
- Supplied with ***open circuit protection, ground fault protection*** *and* ***protection against overloading***
- Maximum ambient temperature 40 c°
- Place 10mm far from metal surfaces

Indicative chart of maximum loading for electronic converters

For every electrode couple 50cm must be calculated.

	d.8mm	d.10mm	d.12mm	d.15mm	d.18mm	d.20mm	d.25mm
Argon	mt 7,2	mt. 8	mt. 8,6	mt. 9,3	mt. 10	mt. 11	mt.12
Neon	mt. 5,2	mt. 5,6	mt. 6,0	mt. 6,5	mt. 6,8	mt. 7,3	mt. 7,8



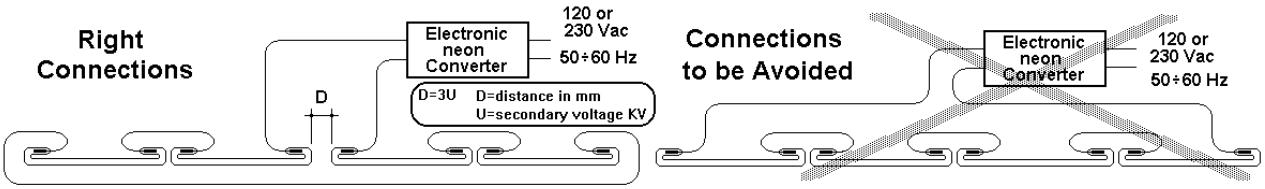


	a	b	c	d	e	f	g	h	i	pesi
MAXI	59	46	163	178	35	21	10	1000	1500	1.100 g

All dimensions are in mm.

INSTALLATION GUIDELINE

- To verify that the converter is not overloaded add to the lamps to be lit a 15 KΩ (11 watt) resistor. If tripping occurs, reduce the number of lamps to feed. To check for presence of installation problems, this test shall be performed when sign is finished.
- For high voltage connections use the cable connected to the transformer with no further additions.
- Keep the high voltage cables far from one another
- The lamps shall always be installed upon isolating supports: never lay the full length of the lamps upon any surface (including wood or chalk)
- Long life and reliability of the converter is assured by connecting in each installation one or more **SurgeDefenders** in the vicinity of the electric panel
- The converter must be, on all its' sides, **1 cm apart** from the metal surface.
- The converters must be al least **2 cm far** from one another.
- The distance between the lamps and parts with different potential (other lamps, current conductors, parts connected to earth) shall be suitable to the voltages on site which, at the frequencies produced by the converter, can discharge easily through air and unsuitable insulating material.
- The material of the supports of the lamps must be always insulating (EN 50107)



E.L. Elettronica Per Luce: Warranty conditions

Warranty by Elettronica per Luce srl is limited to faults arising from the components and from the manufacturing process.
Faults caused by external sources such as surge condition, improper use of the device and similar not complying with what depicted within the instruction for use provided by Elettronica per Luce srl, are not covered by warranty.

Elettronica per Luce srl provides a two year warranty: this two year guarantee period is from the manufacturing date mentioned on the converter.
The faulty unit shall be returned to Elettronica per Luce carriage paid.

The liability of Elettronica per Luce srl is limited to the sale price of the unit which is found faulty after the control by Elettronica per Luce srl.

Elettronica per luce s.r.l.
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Tecnolux GROUP