

DATA SHEET neon convertor Type MIDI 4050 K-19

- Available only in *Standard* version.
- Compliant with standard EN 61347-2-10 for the **L.V. Directive**
- Compliant with standard EN 55015 3rd ed., EN 61547 for the **EMC Directive**
- **Type B** converter in accordance with EN 61347-2-10 (protection against secondary ground fault leakage is required)
- 230v. input, with 1,5m cable.
- Output with 0,6 m cable type **B** (Standard EN 50143). Insulation in silicon. External diameter 6,3mm. Section 1mm²
- Without CE mark.

Electrical data:

Input :	Voltage	Volt 230
	Current	Ampere 0,75
	Frequency	Hertz 50/60
	Power	Watt 95
	Power factor	$\lambda > 0.55$
Output:	Voltage	Volt 2.0 – E – 2.0KV rms maximum
	Nominal load current	mA 42
	Short circuit current	mA 50
	Frequency	Hertz 19.000

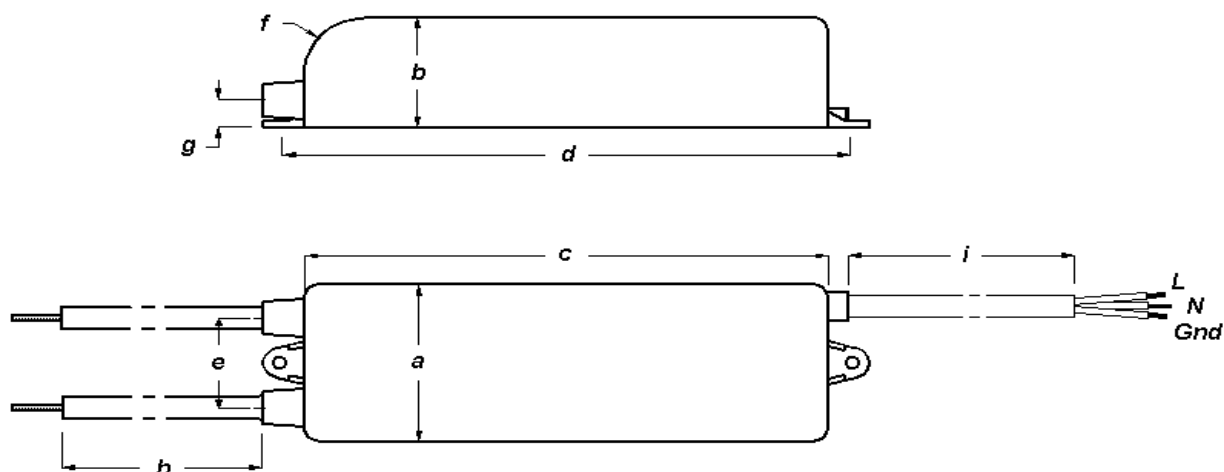
Performances:

- Not compliance with *Flashers*
- Not compliant with *Dimmers*
- 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**
- Active Electronic Circuit for anti-migration mercury.
- Maximum ambient temperature 40 c°
- Minimum 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.12mm	d.15mm	d.18mm	d.20mm
Argon	6,1 M	7,0 M	7,6 M	8,0 M
Neon	4,7 M	5,3 M	6,0 M	6,5 M

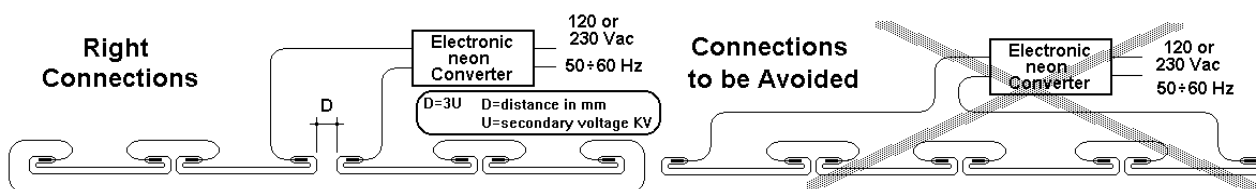


	a	b	c	d	e	f	g	h	i	peso
MIDI	48	35	150	162	25	14	6	1000	1500	650 g

All dimensions are in mm.

INSTALLATION GUIDELINE

- To verify that the converter is not overloaded add to the lamps to be lit a 15 K Ω (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.
- The converter must be, on all its' sides, **1 cm apart** from the metal surface.
- The converters must be at 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)
- To comply with the *electromagnetic compatibility* directive (EMC), from the output of the converter to the feeding supply, **avoid placing the feeding cable near the neon lamps and/or the high voltage cables.**



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.

designed by **Elettronica per luce**

s.r.l.

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