ozonelux

*Ozone & Cold Cathode Lighting*

# DATA SHEET neon convertor Type MINI 2020 Argon – MINI 2020 Neon

- Available in the following versions: *Argon* - *Neon*
- Compliant with standard EN 61347-2-10 for the **L.V. Directive**
- Compliant with standard EN 61000-3-2, EN 55015 3rd ed., EN 61547 for the **EMC Directive**
- **Type A** convertor in accordance with EN 61347-2-10 (protection against secondary ground fault leakage is not required)
- 230v. input, with Italian or Schuko plug and a 1,5m cable.
- Output with 1m cable type **K** (as per EN 50143). Insulation in polyethylene and PVC. External diameter 4,5mm. Section 1mm$^2$
- Certifications: Fimko, TUV, Prima R & S.

Electrical data:

| | | | | |
|---|---|---|---|---|
| Input : | Voltage | | Volt | 230 |
| | Current | | | Ampere 0,2 maximum |
| | Frequency | | Hertz | 50/60 |
| | Power | Watt | 25 maximum | |
| | Power factor | $\lambda > 0.55$ | | |
| Output: | Voltage | | Volt | 1.5 – E – 1.5KV rms maximum |
| | Nominal load current | mA | 18 | |
| | Short circuit current | mA | 25 | |
| | Frequency | | Hertz | 28.000 |

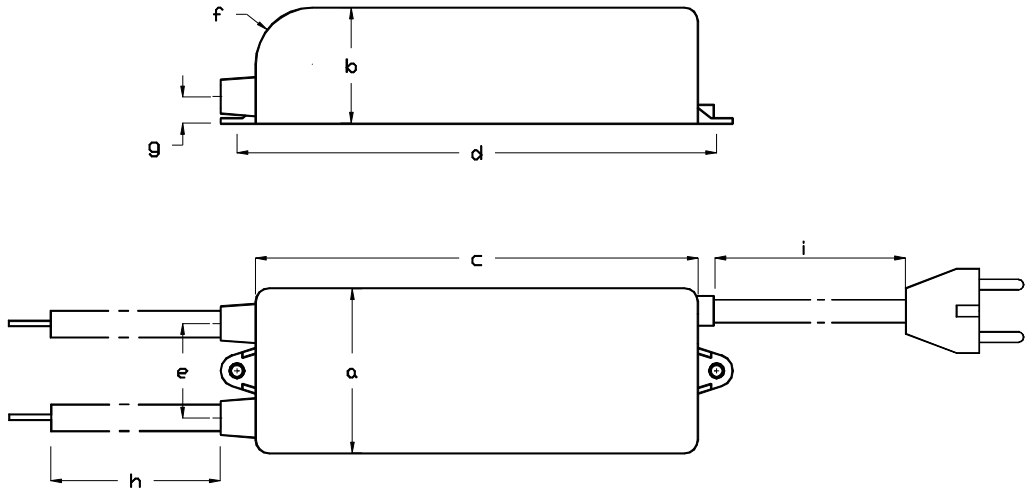
Performances:

- Not compliant with *Flashers*
- Not compliant with *Dimmers*
- Type ARGON suitable for lamps loaded with argon + mercury gas.
- Type NEON suitable for lamps loaded with 100% neon gas
- 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 |
|---|---|---|---|---|---|
| Argon | mt 1,9 | mt. 2,5 | mt. 3,0 | mt. 3,5 | mt. 4,0 |
| Neon | mt. 1,4 | mt. 1,6 | mt. 1,8 | mt 2,0 | mt. 2,2 |




| | a | b | c | d | e | f | g | h | i | weight |
|---|---|---|---|---|---|---|---|---|---|---|
| MINI | 48 | 31 | 113 | 124 | 25 | 14 | 6 | 1000 | 1500 | 450 g |

All dimensions are in mm.

## INSTALLATION GUIDELINE

- 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 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)
- 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.**