

This Load chart is in “electric meters”, where each couple of electrodes is equivalent to 30 cm of tube length.

Diameter (mm)	8	10	12	15		A simple wall socket power meter is strongly recommended in order to check the input power and, by consequence, the proper loading of the power supply
Pure Neon	4,5	5	5,1	5,5		
Ar – Hg*	6	6,7	7,2	8		
Hg free	6,5	7,3	8	9		
* CAUTION: This footage chart is intended to serve as an estimative guideline only. Note: all listed values are based on average tube grading and might vary due to several reasons (temperature, filling pressure, gas mixture, etc.). Deduct approx. 30 cm (1 foot) per pair of electrodes from above figures. * MERCURY: (Hg*) filled tubes are banned in many countries due to EU Regulation 2017/852 and/or “Minamata Convention”; thus the figures above are given for replacement only.						

CAUTION: Professional Use Only.

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Electronic neon power supply



Stirling

Model EVG 515 A
European Design - Italian Style



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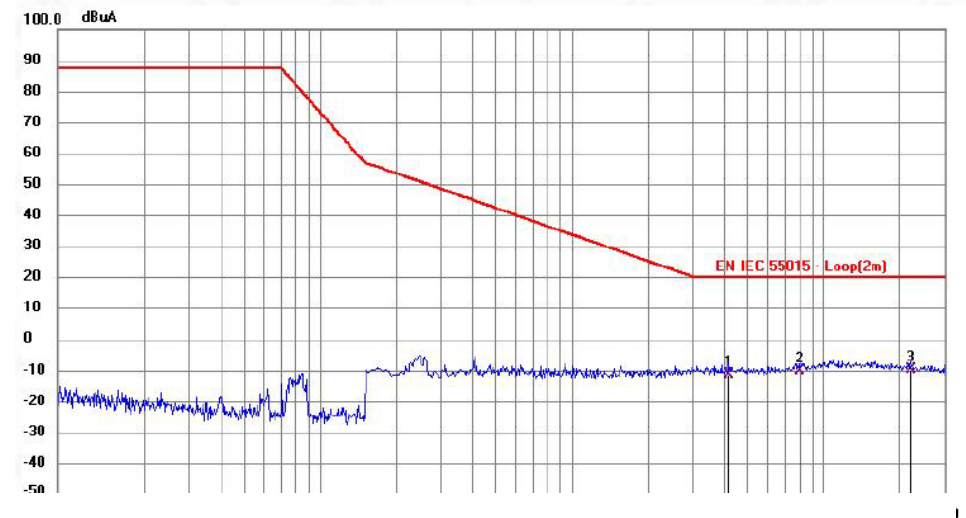
INPUT		OUTPUT	
Voltage	220 ÷ 240 V AC	Rated Voltage	2,5 – E – 2,5 kV
Current	115 mA	Rated Output Current	15 mA
Power	24 watt	Short circuit	21 mA
Frequency	50 ÷ 60 Hz	Frequency	20 ÷ 24 kHz
Class	I	Earth leakage switch	No
Size	246 × 39 × 25 mm	Open circuit monitor	No
Weight	425 gr.	EN 61347-2-10	Type A
Dimmable	NO	Output HV cable	0,25 m
Supply cord	0,60 m	Cable Type	EN 61347-2-10
Type	H05RN-F - 3G0.75	Cable cross Section	0,5 mm ²
Surge Protection	4 kV	IP grade	IP 44

This device is a “Type A” control gear for gas discharge tubes (generally called cold cathode or neon tubes) and complies with Low Voltage and EMC directive based on EU standard EN 61347-2-10. This device is intended to be built into non user-replaceable luminous sign.

The device is properly loaded when the input power does not exceed 24 watt (see picture below).

EMC test:

EN 55015:2019+A11:2020



EN 61000-3-2:2019 +A1:2021+A2:2024

Current & voltage waveforms

