Via Caravaggio 26
Desio (MB) Italy

DATA SHEET Neon Power Supply
ET 9030 CL and ET 9030 CL 277

- Two models, 120v. and 277v.
- UL Listed Type 3
- Equivalent in performance to a 9 KV 30 mA magnetic neon transformer.
- Designed for applications in channel letter, signs and lighting not requiring dimming or flashing.
- Variable frequency technology maintains a virtually constant current load independent of varying diameters or lengths of tubing.
- Thermally protected with automatic reset disconnects the supply voltage if the internal temperature of the power supply exceeds 100 °C (220 °F) .
- Secondary supplied with 40" of silicone GTO 10 or GTO 15 integral sleeve.
- Ground Connection via Mounting Foot
- Primary & Secondary connection, 1/2" female conduit nipple

- **FOR CANADA ONLY (CSA 22.2 No. 255-04)**
- These models are intended for both Field and Factory Installation.

Electrical data:

		9030CL120	*9030CL 277*
Input:	Nominal Voltage	120 Volt	277 Volt
	Input Voltage Range	108V÷132V	249V÷305V
	Current	0.75 Ampere	0.35 Ampere
	Frequency	50/60 Hertz	50/60 Hertz
	Power	80 Watt	80 Watt
	Power factor	$\lambda > 0.9$	$\lambda > 0.9$

Output:	Voltage	9 kV rms max.
	Nominal load current	25 mA
	Short circuit current	27 mA
	Frequency	20 to 32 kHz

Performance:

- Constant load current
- Supplied with ***open circuit protection, ground fault protection*** *and* ***protection against overloading***
- Maximum ambient temperature 104°F

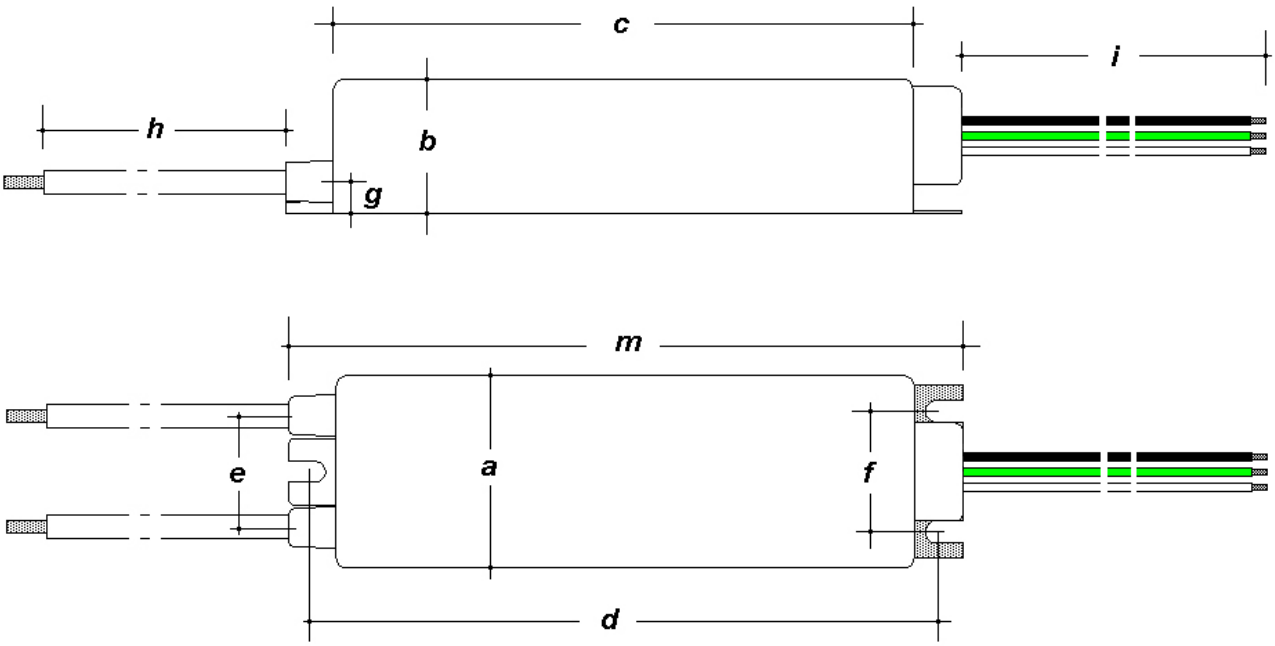
Loading Chart (in feet)

Diameter	6mm	8mm	10mm	12mm	15mm	18mm	20mm
Argon/hg	28	32	36	39	43	46	49
Neon	19	23	26	28	30	33	36

(Deduct one foot per pair of electrodes)

Designed by Elettronica per luce A division of Tecnolux GROUP

(over)



a	b	c	d	e	f	g	m	h	i	weight
1.97	1.38	5.98	6.38	1.22	1.06	0.31	6.89	40	39.37	23 oz.

All dimensions are in inches

INSTALLATION GUIDELINE

- If the power supply is close to the maximum load put a ## kΩ resistor in series with the secondary circuit. If the system stays lit the loading is correct. This test should be done before and after the installation to confirm that your installation is correct. *(The ## kΩ resistor is available for a minimal charge from your local sign supply distributor)*
- This step is very important for installations close to the limit of the power supply. The power supply has a microprocessor that senses any overload situation and immediately shuts down the power supply protecting both the power supply and your neon installation. The ## kΩ resistor insures you have a properly loaded power supply and a margin against nuisance tripping.
- Avoid extending the secondary leads beyond that supplied with the power supply.
- The power supply may be installed on a metal surface. Sides can be in contact with a metal surface.
- Power supplies must be spaced **3/4" away** from one another.
- The distance between the lamps and parts with a different potential (other lamps, current conductors, parts connected to earth) shall be suitable for the voltage present which, at the frequencies produced by the power supply, can discharge easily through air and unsuitable insulating material.
- The material that supports the lamps must be always insulating.