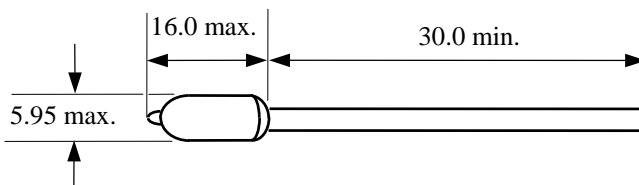


# PRODUCT DATASHEET

## Standard Brightness Neon Lamp

**16/30SB**

### OUTLINE DRAWING



All dimensions in mm

Drawing not to scale

### OPERATING DATA

Type	Brightness	Nominal Current	Maximum Striking Voltage	Recommended Series Resistor Value		Life Expectancy (ac operation)
				110 - 120V (ac only)	220 - 250V (ac or dc)	
16/30SB	Standard	0.5mA	65Vac	100 K-ohm	330 K-ohm	50,000 hours

Operating temperature: - 50<sup>0</sup>C to + 160<sup>0</sup>C

Life expectancy is average time to half-initial light output level at nominal current.

Current may be increased or decreased from the nominal value, when the life expectancy will vary according to a 3.3 power law:

$$L_2 = L_1 \left( \frac{I_1}{I_2} \right)^{3.3}$$

Neon lamps should not be operated at more than twice the nominal current.

Operation at currents below the nominal value may result in the discharge becoming unstable (i.e. lamps flicker).

ISSUE NO.	ISSUE DATE	TECHNICAL	QUALITY	SALES	M & P	C. NOTE NO.
1	22/09/03	Approved				

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