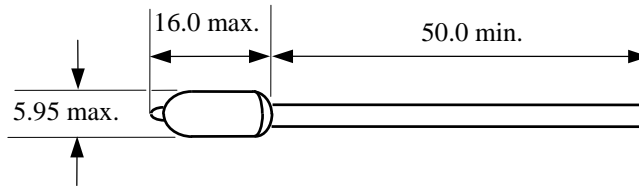


PRODUCT DATA SHEET

High Brightness Neon Lamp

16/50HB

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)	
16/50HB	High	1.8mA	95Vac	33 K-ohm	100 K-ohm	10,000 hours

Operating temperature: - 50⁰C to + 160⁰C

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	C. NOTE NO.
1	29/08/07			-