

TECHNICAL INFORMATION BULLETIN

EYE Sunlux

LAMP TYPE : High Pressure Sodium Lamp
NHT1000B

PERFORMANCE DATA

Initial luminous flux at rated wattage after 100h burning (lm)	:	140,000
Lamp lumen efficacy (lm/W)	:	140
Rated average life (h)	:	24,000
Warm up time (min)	:	4
Restarting time (min)	:	3 max.
Correlated colour temperature (K)	:	2,100
CIE chromaticity x	:	0.52
y	:	0.42
Colour rendering index (Ra)	:	25
Burning position	:	Any
Survival factor at 2,000h (%)	:	100
4,000h (%)	:	100
6,000h (%)	:	100
8,000h (%)	:	100
12,000h (%)	:	99
16,000h (%)	:	96
20,000h (%)	:	83
Lumen Maintenance factor at 2,000h (%)	:	96
4,000h (%)	:	94
6,000h (%)	:	92
8,000h (%)	:	91
12,000h (%)	:	90
16,000h (%)	:	89
20,000h (%)	:	87
Energy Efficiency Label	:	A++
Weighted Energy consumption (kWh/1000h)	:	1100

Lamp wattage (Nominal)

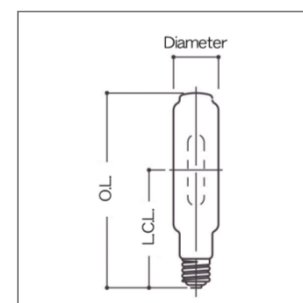
Lamp wattage (Nominal) (W)	:	1,000
Lamp wattage (Rated) (W)	:	1,000
Lamp voltage (V)	:	250
Lamp current (A)	:	4.70

BALLAST AND IGNITOR INFORMATION

Compatible ballast	:	IEC 60662 (HPSL-1000W)
Ignitor	:	Required


PHYSICAL DESCRIPTION


Base designation	:	E40
Bulb designation	:	T80 (80mm dia.)
Bulb material	:	Hard Glass
Bulb finish	:	Clear
Arc tube material	:	Alumina
Mercury(Hg) content (mg)	:	39.9
Overall length (mm)	:	386 max.
Light centre length (Nominal) (mm)	:	230
Effective arc length (Nominal) (mm)	:	172



LUMINAIRE DESIGN REQUIREMENTS

Bulb Temp. limit (°C)	:	400
Base Temp. limit (°C)	:	210
open / enclosed	:	Open fixture permissible

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A⁺⁺

A⁺

A

B

C

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1100 kWh/1000h

