

TECHNICAL INFORMATION BULLETIN

EYE Sunlux

LAMP TYPE : High Pressure Sodium Lamp
NHT150

PERFORMANCE DATA

Initial luminous flux at rated wattage after 100h burning	(lm)	:	14,500
Lamp lumen efficacy	(lm/W)	:	97
Rated average life	(h)	:	24,000
Warm up time	(min)	:	4
Restarting time	(min)	:	1 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

ELECTRICAL CHARACTERISTICS

Lamp wattage (Nominal)	(W)	:	150
Lamp wattage (Rated)	(W)	:	150
Lamp voltage	(V)	:	100
Lamp current	(A)	:	1.80

BALLAST AND IGNITOR INFORMATION

Compatible ballast	:	IEC 60662 (HPSL-150W)
Ignitor	:	Required

PHYSICAL DESCRIPTION

Base designation	:	E40	
Bulb designation	:	T48 (48mm dia.)	
Bulb material	:	Hard Glass	
Bulb finish	:	Clear	
Arc tube material	:	Alumina	
Mercury(Hg) content	(mg)	:	23.3
Overall length	(mm)	:	211 max.
Light centre length (Nominal)	(mm)	:	127
Effective arc length (Nominal)	(mm)	:	61

LUMINAIRE DESIGN REQUIREMENTS

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

