

# TECHNICAL INFORMATION BULLETIN

## EYE Specialux

**LAMP TYPE** : High Pressure Sodium Lamp  
NHT150DX/PN

### PERFORMANCE DATA

Initial luminous flux at rated wattage after 100hrs. Burning	(lm)	:	7,800
Lamp Lumen Efficacy	(lm/W)	:	52
Mean lumens at 10 hrs/start	(lm)	:	6,600
Rated average life	(hrs)	:	9,000
Warm up time	(min)	:	15
Restarting time	(min)	:	8 max.
Correlated colour temperature	(K)	:	2,500
CIE chromaticity	x =	:	0.477
	y =	:	0.414
Colour rendering index	(Ra)	:	85
Burning Position		:	Any

### ELECTRICAL CHARACTERISTICS

Nom. Lamp wattage EM	(W)	:	150
Nom. Lamp voltage EM	(V)	:	100
Nom. Lamp current EM	(A)	:	1.80
Current crest factor		:	1.8 max.
Max. starting current	(A)	:	3.00
Compatible Ballast		:	IEC 60662
Min. starting voltage (RMS)	(V)	:	198
Min. starting voltage (PEAK)	(V)	:	280

### 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)	:	24.4
Overall Length	(mm)	:	211 max.
Light Centre Length	(mm)	:	132
Effective Arc Length	(mm)	:	34
Bulb Temp. limit	( °C )	:	400
Base Temp. limit	( °C )	:	210
Eccentricity Base to bulb axis	( ° )	:	3° max.
Life to 5% failures	(hr)	:	3100
Life to 10% failures (hr)	(hr)	:	4600
Life to 20% failures (hr)	(hr)	:	6500
Life to 50% failures (hr)	(hr)	:	9000
Lumen Maintenance 5000h	(%)	:	91.7253

