

PHILIPS

Lighting



MH-Sc

MH 100W/640 E27 CL 1SL/24

Sodium Scandium Metal Halide Lamps consisting of a gasfilled glass bulb, which alternatively are clear or internal coated, and a quartz discharge tube (DT).

Product data

General Information	
Cap-Base	E27 [E27]
Operating Position	H [Hanging or Base Up (BU)]
Life to 5% Failures (Nom)	2000 h
Life to 20% Failures (Nom)	5000 h
Life to 50% Failures (Nom)	10000 h
System Description	-
Light Technical	
Color Code	640 [CCT of 4000K]
Luminous Flux (Rated) (Min)	8730 lm
Luminous Flux (Rated) (Nom)	9700 lm
Color Designation	Cool White (CW)
Lumen Maintenance 2000 h (Nom)	75 %
Lumen Maintenance 5000 h (Nom)	60 %
Chromaticity Coordinate X (Nom)	375
Chromaticity Coordinate Y (Nom)	385
Correlated Color Temperature (Nom)	4200 K
Luminous Efficacy (rated) (Nom)	92 lm/W
Color Rendering Index (Nom)	65
Operating and Electrical	
Power (Rated) (Max)	- W
Power (Rated) (Min)	- W
Power (Nom)	105 W

Lamp Current Run-Up (Max)	1.5 A
Lamp Current (EM) (Nom)	1.1 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	2700 V
Ignition Supply Voltage (Min)	198 V
Voltage (Max)	110 V
Voltage (Min)	90 V
Voltage (Nom)	100 V

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	ED55 [ED 55mm]

Approval and Application	
Mercury (Hg) Content (Nom)	10.2 mg
Energy Consumption kWh/1000 h	110 kWh

Luminaire Design Requirements	
Bulb Temperature (Max)	450 °C
Cap-Base Temperature (Max)	250 °C

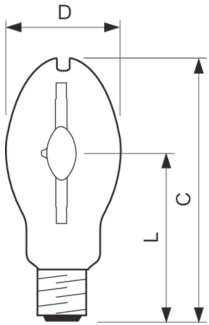
MH-NaSc

Product Data

Full product code	871150021157600
Order product name	MH 100W/640 E27 CL 1SL/24
EAN/UPC - Product	8711500211576
Order code	928484500092
Numerator - Quantity Per Pack	1

Numerator - Packs per outer box	24
Material Nr. (12NC)	928484500092
Net Weight (Piece)	0.073 kg

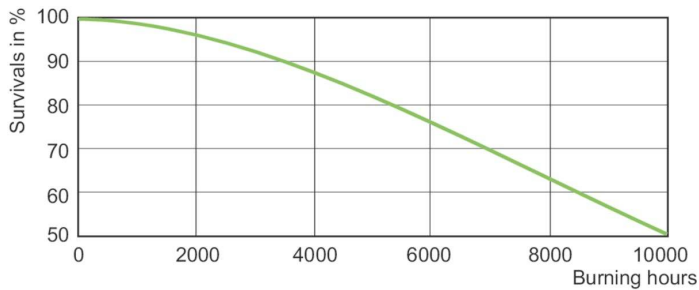
Dimensional drawing



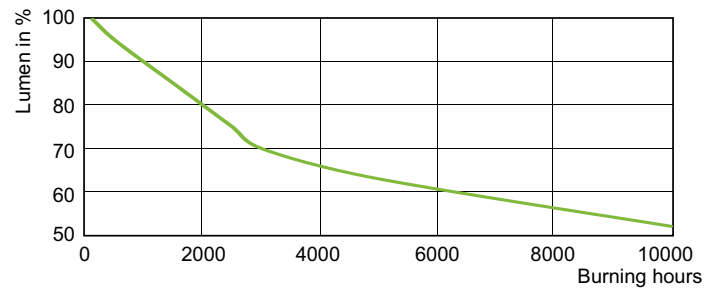
MH 100W/640 E27 CL

Product	D (max)	L (min)	C (max)
MH 100W/640 E27 CL 1SL/24	56 mm	83 mm	141 mm

Lifetime



LDLE_MH_0009-Life expectancy diagram



LDLM_MH_0010-Lumen maintenance diagram

