



SON H

SON H 220W/220 E40 1SL/12

High Pressure Sodium lamp with opalized outer bulb retrofit for High Pressure Mercury lamps

Warnings and Safety

- For use with control gear designed for high-pressure mercury lamps
- For outdoor use only
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Product data

General Information			
Cap-Base	E40 [E40]	Luminous Flux (Rated) (Nom)	18250 lm
Operating Position	UNIVERSAL [Any or Universal (U)]	Chromaticity Coordinate X (Nom)	530
Life to 5% Failures (Nom)	9000 h	Chromaticity Coordinate Y (Nom)	410
Life To 10% Failures (Nom)	12000 h	Colour Temperature, horizontal (Nom)	2000 K
Life to 20% Failures (Nom)	16000 h	Luminous Efficacy (rated) (Nom)	85 lm/W
Life to 50% Failures (Nom)	26000 h	Colour Rendering Index horiz (Max)	25
System Description	na [-]	Depreciation 2000 hrs	98 %
LSF 2000 h Rated	99 %	LLMF 4000 h Rated	96 %
LSF 4000 h Rated	99 %	Depreciation 5000 hrs	95 %
LSF 6000 h Rated	98 %	LLMF 8000 h Rated	93 %
LSF 8000 h Rated	96 %	LLMF 12000 h Rated	90 %
LSF 12000 h Rated	90 %	LLMF 16000 h Rated	87 %
LSF 16000 h Rated	81 %	LLMF 20000 h Rated	84 %
LSF 20000 h Rated	69 %	Ratio Scotopic/Photopic Lumens	0.60
Light Technical		Operating and Electrical	
Colour Code	220 [CCT of 2000K]	Lamp supply voltage	220 V [220]
		Power (Rated) (Nom)	218.0 W

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Lamp Current (EM) (Nom)	2.3 A
Ignition Supply Voltage (Max)	190 V
Re-Ignition Time (Min) (Max)	180 s
Ignition Time (Max)	10 s
Voltage (Max)	130 V
Voltage (Min)	105 V
Voltage (Nom)	120 V

Controls and Dimming

Dimmable	No
Run-up Time 90% (Max)	5 min

Mechanical and Housing

Bulb Finish	Coated glass
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Approval and Application

Energy Efficiency Label	A
Mercury (Hg) Content (Nom)	28.6 mg

Energy Consumption kWh/1000 h	237 kWh
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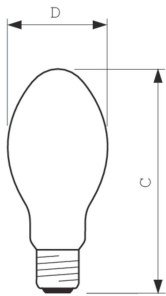
Luminaire Design Requirements

Bulb Temperature (Max)	350 °C
Cap-Base Temperature (Max)	250 °C

Product Data

Full product code	871150018207415
Order product name	SON H 220W/220 E40 1SL/12
EAN/UPC - Product	8711500182074
Order code	18207415
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928152409830
Net Weight (Piece)	0.170 kg
ILCOS Code	SEQ-220-H-E40

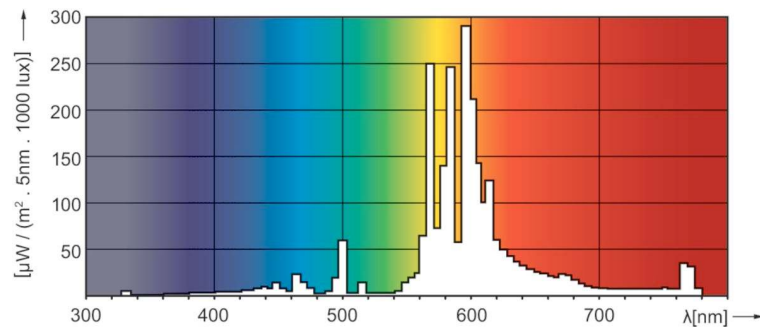
Dimensional drawing



SON H 220W/220 E40 220V

Product	D (max)	C (max)
SON H 220W/220 E40 1SL/12	91 mm	227 mm

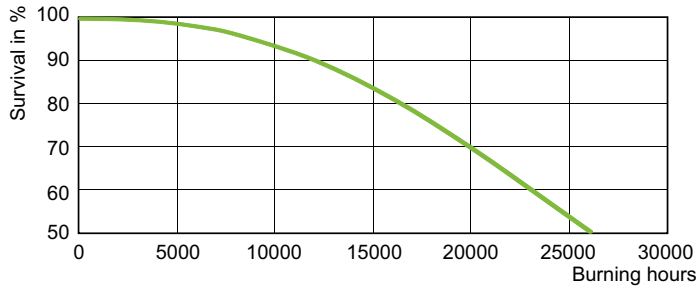
Photometric data



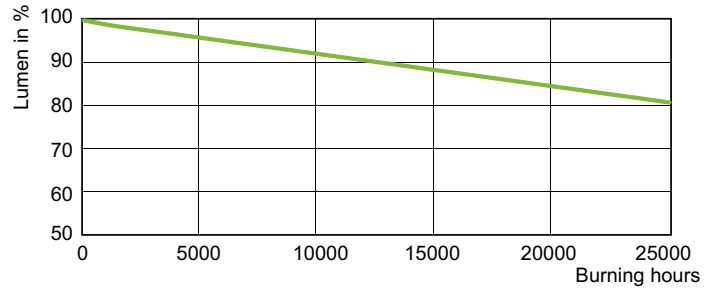
LDPO_SON-H-Spectral power distribution Colour

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Lifetime



LDLE_SON-H_220W_350W-Life expectancy diagram



LDLM_SON-H_220W_350W-Lumen maintenance diagram

