



SON H

SON H 350W/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)	34000 lm
Operating Position	UNIVERSAL [Any or Universal (U)]	Chromaticity Coordinate X (Nom)	0.525
Life to 5% Failures (Nom)	9000 h	Chromaticity Coordinate Y (Nom)	0.415
Life To 10% Failures (Nom)	12000 h	Colour Temperature, horizontal (Nom)	2000 K
Life to 20% Failures (Nom)	16000 h	Luminous Efficacy (rated) (Nom)	98 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)	350.0 W

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Lamp Current (EM) (Nom)	3.6 A
Ignition Supply Voltage (Max)	190 V
Re-Ignition Time (Min) (Max)	180 s
Ignition Time (Max)	10 s
Voltage (Max)	129 V
Voltage (Min)	105 V
Voltage (Nom)	117 V

Controls and dimming

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

Mechanical and housing

Bulb Finish	Coated glass
Bulb Shape	BD120 [BD 120mm]

Approval and application

Mercury (Hg) Content (Nom)	28.6 mg
Energy Consumption kWh/1000 h	385 kWh

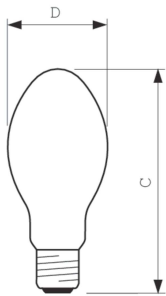
Luminaire design requirements

Bulb Temperature (Max)	350 °C
Cap-Base Temperature (Max)	250 °C
Cap-Base Temperature (Max)-DUP	482 °F

Product data

Full product code	871150018213515
Order product name	SON H 350W/220 E40 1SL/12
EAN/UPC - Product	8711500182135
Order code	18213515
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928153509830
Net Weight (Piece)	0.236 kg
ILCOS Code	SEQ-350-H-E40

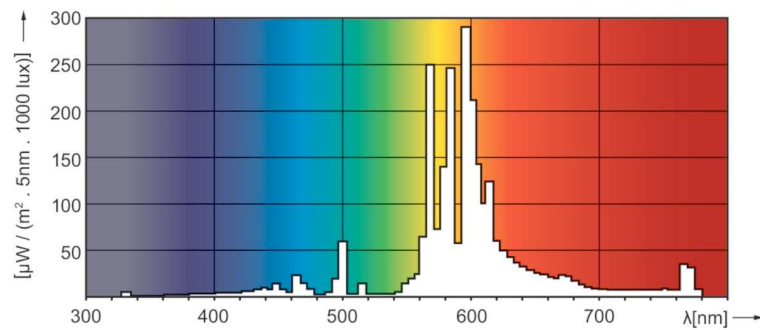
Dimensional drawing



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Product	D (max)	C (max)
SON H 350W/220 E40 1SL/12	122 mm	290 mm

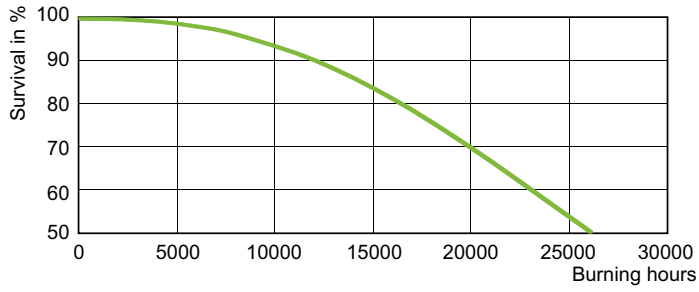
Photometric data



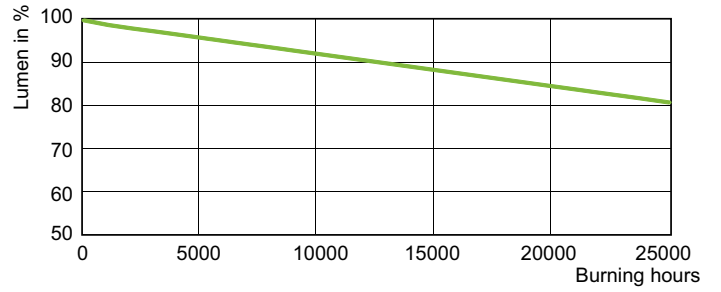
LDPO_SON-H-Spectral power distribution Colour

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Lifetime



LDLE_SON-H_220W_350W-Life expectancy diagram



LDLM_SON-H_220W_350W-Lumen maintenance diagram

