



SON H

SON H 220W/220 E40 1SL/12

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

Product data

General Information	
Cap base	E40 [E40]
Operating position	UNIVERSAL [Any/Universal]
Life to 5% failures (nom.)	9000 h
Life to 10% failures (nom.)	12000 h
Life to 20% failures (nom.)	16000 h
Life to 50% failures (nom.)	26000 h
System description	na [-]
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	98 %
LSF 8000 h Rated	96 %
LSF 12000 h Rated	90 %
LSF 16000 h Rated	81 %
LSF 20000 h Rated	69 %
Light Technical	
Colour code	220 [CCT of 2,000 K]
Luminous flux (rated) (nom.)	18700 lm
Chromaticity coordinate X (nom.)	530
Chromaticity coordinate Y (nom.)	410
Correlated colour temperature (nom.)	2000 K
Luminous efficacy (rated) (nom.)	87 lm/W
Color rendering index (max.)	25
LLMF 2000 h Rated	98 %

LLMF 4000 h Rated	96 %
LLMF 6000 h Rated	95 %
LLMF 8000 h Rated	93 %
LLMF 12000 h Rated	90 %
LLMF 16000 h Rated	87 %
LLMF 20000 h Rated	84 %
Ratio Scotopic/Photopic Lumens	0.60

Operating and Electrical

Lamp supply voltage	220 V [220]
Power (Rated) (Nom)	218.0 W
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

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Mechanical and Housing

Bulb finish	Coated glass
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Approval and Application

Energy efficiency label (EEL)	A
Mercury (Hg) content (nom.)	28.6 mg
Energy Consumption kWh/1000 h	237 kWh

Luminaire Design Requirements

Bulb temperature (max.)	350 °C
Cap base temperature (max.)	250 °C

Product Data

Full product code	871150018207415
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Order product name	SON H 220W/220 E40 1SL/12
EAN/UPC – product	8711500182074
Order code	18207415
Local Code	220SONH
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928152409830
Net weight (piece)	0.170 kg
ILCOS Code	SEQ-220-H-E40

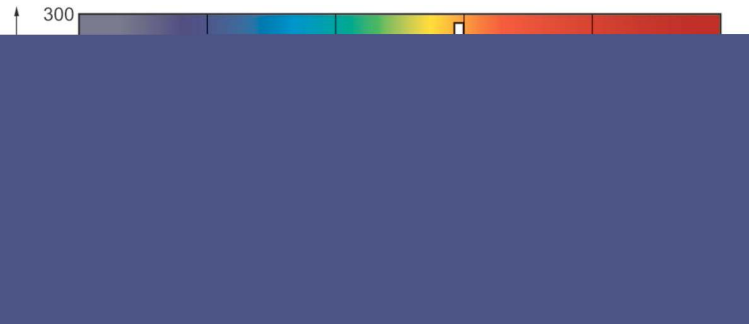
Warnings and Safety

Dimensional drawing

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

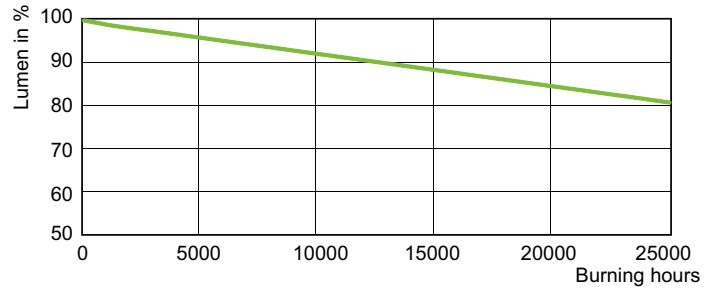
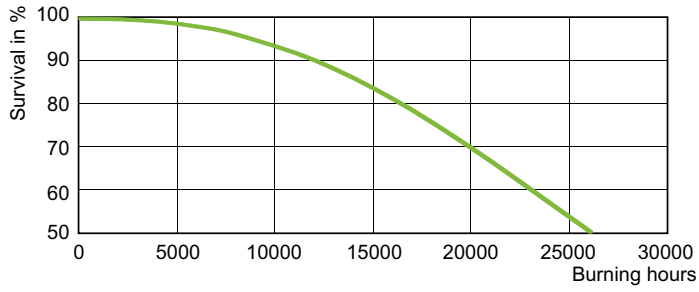
SON H 220W/220 E40 220V

Photometric data



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Lifetime



LDLE_SON-H_220W_350W-Life expectancy diagram

LDLM_SON-H_220W_350W-Lumen maintenance diagram

