



SON H

SON H 220W/220 E40 1SL

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

Product data

• General Characteristics

System Description	na [-]
Cap-Base	E40
Bulb	BD90 [BD 90mm]
Bulb Finish	Coated
Operating Position	any [Any or Universal (U)]
Life to 5% failures	9000 hr
Life to 10% failures	12000 hr
Life to 20% failures	16000 hr
Life to 50% failures	26000 hr
LSF EM 2000h Rated, 12h cycle	99 %
LSF EM 4000h Rated, 12h cycle	99 %
LSF EM 6000h Rated, 12h cycle	98 %
LSF EM 8000h Rated, 12h cycle	96 %
LSF EM 12000h Rated, 12h cycle	90 %
LSF EM 16000h Rated, 12h cycle	81 %
LSF EM 20000h Rated, 12h cycle	69 %

• Light Technical Characteristics

Color Code	220 [CCT of 2000K]
Color Rendering Index	25 (max) Ra8
Color Temperature	2000 K
Color Temperature Technical	2000 K
Luminous Flux EM 25°C, Rated	19000 Lm
Lum Efficacy Rated EM 25°C	91 Lm/W

Luminance Average EM	15 cd/cm ²
LLMF EM 2000h Rated	98 %
LLMF EM 4000h Rated	96 %
LLMF EM 6000h Rated	95 %
LLMF EM 8000h Rated	93 %
LLMF EM 12000h Rated	90 %
LLMF EM 16000h Rated	87 %
LLMF EM 20000h Rated	84 %
Chromaticity Coordinate X	530 -
Chromaticity Coordinate Y	410 -

• Electrical Characteristics

Lamp Wattage	220 W
Lamp Wattage EM 25°C, Nominal	220.0 W
Lamp Wattage EM 25°C, Rated	220.0 W
Voltage	220 V
Lamp Voltage	120 V
Lamp Current EM	2.2 A
Ignition Time	10 (max) s
Run-up time 90%	5 (max) min
Dimmable	No
Re-ignition Time [sec]	180 (max) s

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Ratio scotopic/
photopic lumens 0.60 -

Diameter D 91 (max) mm

• Environmental Characteristics

Energy Efficiency A+
Label (EEL)
Mercury (Hg) 28.6 mg
Content
Energy consumption 242 kWh
kWh/1000h

• Luminaire Design Requirements

Cap-Base Temperature 250 (max) C
Bulb Temperature 350 (max) C

• Product Dimensions

Overall Length C 227 (max) mm

• Product Data

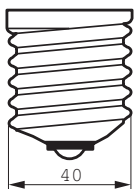
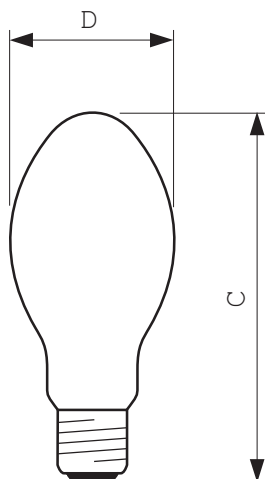
Order code 928152409830
Full product code 928152409830
Full product name SON H 220W/220 E40 1SL
Order product name SON H 220W/220 E40 1SL/12
Pieces per pack 1
Packing configuration 12
Packs per outerbox 12
Bar code on pack - EAN1 8711500182074
Bar code on outerbox - EAN3 8711500182081
Logistic code(s) - 12NC 928152409830
ILCOS code SEQ-220-H-E40
Net weight per piece 0.170 kg

• For outdoor use only

Warnings and Safety

- For use with control gear designed for high-pressure mercury lamps

Dimensional drawing

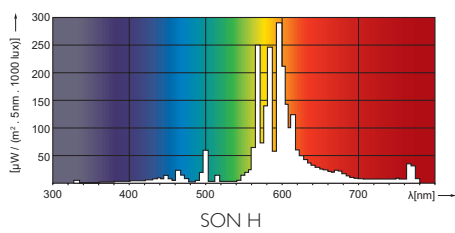


E40

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Product	C (Max)	D (Max)
SON H 220W/220 E40 220V	227	91

Photometric data



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data subject to change