

SON

SON 50W/220 I E27 1CT/24

High Pressure Sodium lamp with opalized ovoid outer bulb

Product data

General Information	
Cap-Base	E27 [E27]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life to 5% Failures (Nom)	10000 h
Life to 10% Failures (Nom)	13000 h
Life to 20% Failures (Nom)	18000 h
Life to 50% Failures (Nom)	28000 h
System Description	Internal Ignitor
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	98 %
LSF 8000 h Rated	97 %
LSF 12000 h Rated	92 %
LSF 16000 h Rated	84 %
LSF 20000 h Rated	74 %

Light Technical	
Color Code	220 [CCT of 2000K]
Luminous Flux (Rated) (Nom)	3500 lm
Chromaticity Coordinate X (Nom)	540
Chromaticity Coordinate Y (Nom)	415
Correlated Color Temperature (Nom)	2000 K
Luminous Efficacy (Rated) (Nom)	70 lm/W
Color Rendering Index (Max)	25
LLMF 2000 h Rated	88 %
LLMF 4000 h Rated	84 %
LLMF 6000 h Rated	83 %
LLMF 8000 h Rated	81 %
LLMF 12000 h Rated	80 %
LLMF 16000 h Rated	79 %
LLMF 20000 h Rated	78 %

Operating and Electrical	
Power (Rated) (Nom)	50.0 W
Lamp Current (EM) (Nom)	0.76 A
Ignition Supply Voltage (Max)	198 V
Voltage (Max)	100 V
Voltage (Min)	70 V
Voltage (Nom)	85 V

Controls and Dimming	
Dimmable	Yes

Mechanical and Housing	
Bulb Finish	Coated glass

Approval and Application	
Mercury (Hg) Content (Nom)	12 mg

Luminaire Design Requirements	
Bulb Temperature (Max)	350 °C

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Cap-Base Temperature (Max)	200 °C

Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	24

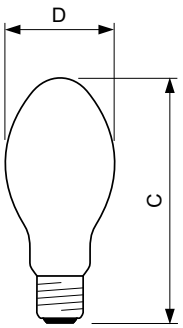
Product Data	
Full product code	871150018189330
Order product name	SON 50W/220 I E27 1CT/24
EAN/UPC - Product	8711500181893
Order code	928150808828

Material Nr. (12NC)	928150808828
Net Weight (Piece)	0.062 kg
ILCOS Code	SE-50-H/I-E27

Warnings and Safety

- Control gear must include end-of-life protection (IEC60662, IEC 62035)
- 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.

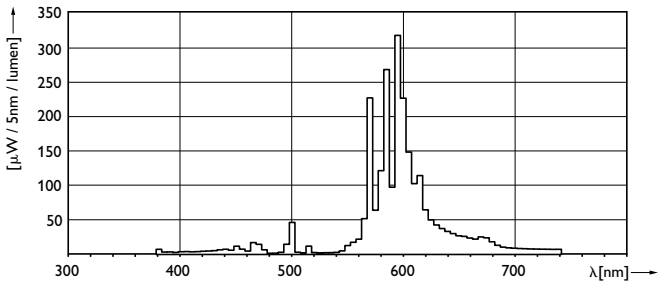
Dimensional drawing



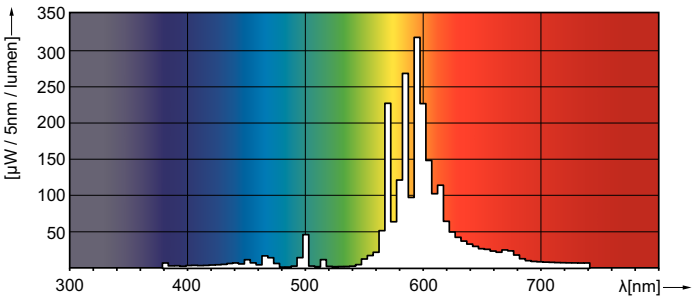
SON 50W/220 I E27

Product	**D (max)**	**C (max)**
SON 50W/220 I E27 1CT/24	71 mm	156 mm

Photometric data



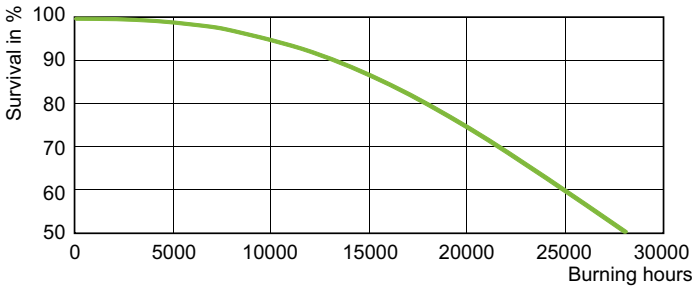
SON I 50W & 70W



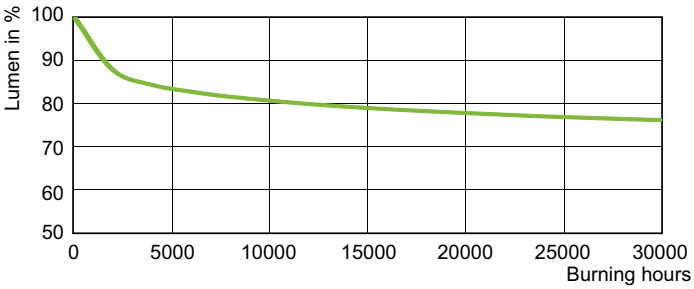
SON I 50W & 70W

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Lifetime



SON (Internal Ignitor) 50 W, 70 W Life Expectancy



SON (Internal Ignitor) 50 W, 70 W Lumen Maintenance

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