

SON

SON 50W/220 E27 1CT/24

High Pressure Sodium lamp with opalized ovoid outer bulb

Product data

• General Information

Cap-Base	E27
Operating Position	UNIVERSAL [Any or Universal (U)]
Life To 5% Failures (Nom)	12000 h
Life To 10% Failures (Nom)	15000 h
Life To 20% Failures (Nom)	19000 h
Life To 50% Failures (Nom)	28000 h
System Description	External Ignitor
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	98 %
LSF 12000 h Rated	95 %
LSF 16000 h Rated	88 %
LSF 20000 h Rated	78 %

• Light Technical

Color Code	220 [CCT of 2000K]
Luminous Flux (Rated) (Min)	3150 lm
Luminous Flux (Rated) (Nom)	3500 lm
Lumen Maintenance 10000 h (Min)	70 %
Lumen Maintenance 10000 h (Nom)	83 %
Lumen Maintenance 2000 h (Min)	80 %
Lumen Maintenance 2000 h (Nom)	89 %
Lumen Maintenance 20000 h	80 %
Lumen Maintenance 5000 h (Min)	75 %
Lumen Maintenance 5000 h (Nom)	85 %
Correlated Color Temperature (Nom)	2000 K
Luminous Efficacy (rated) (Nom)	70 lm/W
Color Rendering Index (Max)	25
Color Rendering Index (Nom)	-
LLMF 2000 h Rated	89 %
LLMF 4000 h Rated	86 %
LLMF 6000 h Rated	85 %
LLMF 8000 h Rated	84 %
LLMF 12000 h Rated	81 %
LLMF 16000 h Rated	81 %
LLMF 20000 h Rated	80 %

• Operating and Electrical

Power (Rated) (Nom)	50.0 W
Lamp Current (EM) (Nom)	0.76 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	1800 V
Re-Ignition Time (Min) (Max)	180 s
Ignition Time (Max)	5 s
Voltage (Max)	100 V
Voltage (Min)	70 V
Voltage (Nom)	85 V

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- Controls and Dimming

Dimmable	Yes
Run-Up Time 90% (Max)	5 min

- Mechanical and Housing

Bulb Finish	Coated glass

- Approval and Application

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	12 mg
Energy Consumption kWh/1000 h	55 kWh

- Luminaire Design Requirements

Bulb Temperature (Max)	350 °C
Cap-Base Temperature (Max)	200 °C

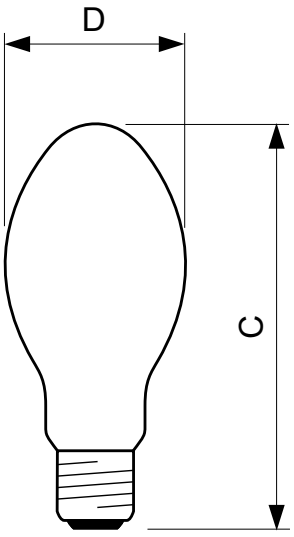
- Product Data

Full product code	871150018195430
Order product name	SON 50W/220 E27 1CT/24
EAN/UPC - Product	8711500181954
Order code	928152908835
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	24
Material Nr. (12NC)	928152908835
Net Weight (Piece)	0.053 kg
ILCOS Code	SE-50-H/E-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.

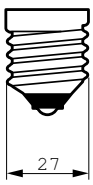
Dimensional drawing



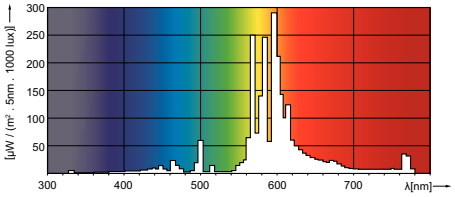
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SON 50W/220 E27

Product	D	C
SON 50W/220 E27 1CT/24	71 mm	156 mm



Photometric data



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