

SON

SON 70W/220 I 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)	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) (Min)	5040 lm
Luminous Flux (Rated) (Nom)	5600 lm
Lumen Maintenance 10000 h (Min)	70 %
Lumen Maintenance 10000 h (Nom)	81 %
Lumen Maintenance 2000 h (Min)	80 %
Lumen Maintenance 2000 h (Nom)	88 %
Lumen Maintenance 20000 h	78 %
Lumen Maintenance 5000 h (Min)	75 %
Lumen Maintenance 5000 h (Nom)	83.5 %
Chromaticity Coordinate X (Nom)	540
Chromaticity Coordinate Y (Nom)	415
Correlated Color Temperature (Nom)	2000 K
Luminous Efficacy (rated) (Nom)	80 lm/W
Color Rendering Index (Max)	25
Color Rendering Index (Nom)	-
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)	70.0 W
Lamp Current (EM) (Nom)	0.98 A
Ignition Supply Voltage (Max)	198 V
Voltage (Max)	105 V
Voltage (Min)	75 V
Voltage (Nom)	90 V

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- Controls and Dimming

Dimmable	Yes

- Mechanical and Housing

Bulb Finish	Coated glass

- Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	16.3 mg
Energy Consumption kWh/1000 h	77 kWh

- Luminaire Design Requirements

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

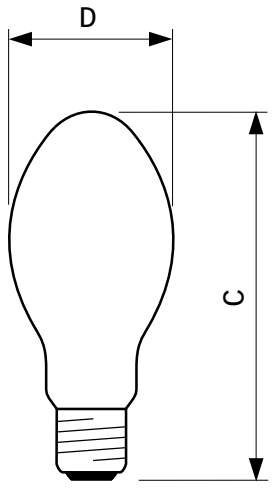
- Product Data

Full product code	871150018186230
Order product name	SON 70W/220 I E27 1CT/24
EAN/UPC - Product	8711500181862
Order code	928150108828
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	24
Material Nr. (12NC)	928150108828
Net Weight (Piece)	0.057 kg
ILCOS Code	SE-70-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



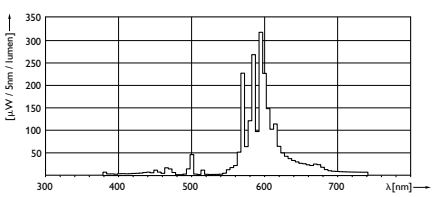
SON (Internal Ignitor) E27

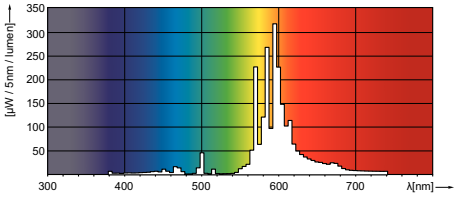
SON 70W/220 I E27

Product	D	C
SON 70W/220 I E27 1CT/24	71 mm	155 mm



Photometric data





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