



SON



SON 70W/220 I E27 1CT/24

High Pressure Sodium lamp with opalized ovoid outer bulb

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.

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 (I)
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 %
	Sphere
Light Technical	
Colour Code	220 [CCT of 2,000 K]
Luminous flux (nom.)	5600 lm

Luminous flux (rated) (min.)	5040 lm
Luminous flux (rated) (nom.)	5600 lm
Lumen maintenance 10,000 hours (min.)	70 %
Lumen maintenance 10,000 hours (nom.)	81 %
Lumen maintenance 2,000 hours (min.)	80 %
Lumen maintenance 2,000 hours (nom.)	88 %
Lumen maintenance 20,000 hours	78 %
Lumen maintenance 5,000 hours (min.)	75 %
Lumen maintenance 5,000 hours (nom.)	83.5 %
Chromaticity coordinate X (nom.)	0.54
Chromaticity coordinate Y (nom.)	0.42
Correlated Colour Temperature (Nom)	1900 K
Luminous efficacy (rated) (nom.)	80 lm/W
Color rendering index (max.)	25
Colour 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)	71.5 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

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Lamp Finish	Coated glass
Bulb shape	B70 [B 70mm]

Approval and Application

Energy Efficiency Class	G
Mercury (Hg) content (max.)	16.3 mg

Mercury (Hg) content (nom.)	16.3 mg
Energy consumption kWh/1,000 hours	72 kWh
	473373

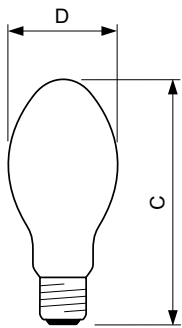
Luminaire Design Requirements

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	18186230
SAP numerator – quantity per pack	1
Numerator – packs per outer box	24
SAP material	928150108828
SAP net weight (piece)	0.065 kg
ILCOS code	SE-70-H/I-E27

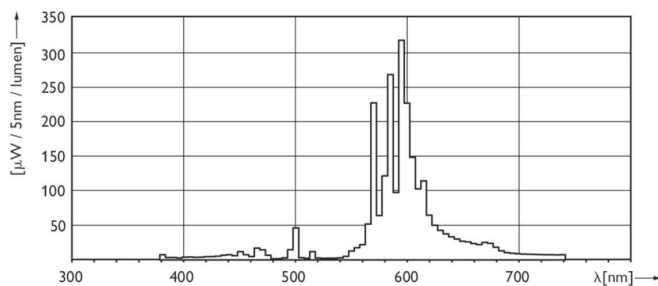
Dimensional drawing



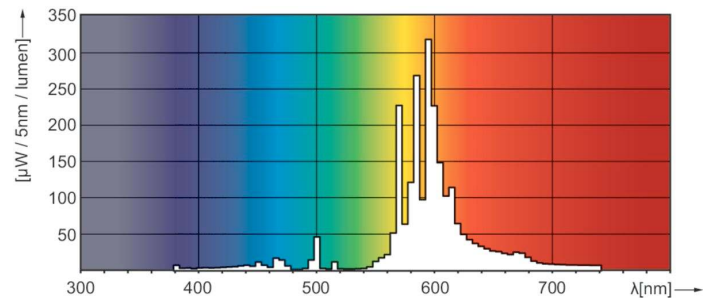
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Product	D (max)	C (max)
SON 70W/220 I E27 1CT/24	71 mm	155 mm

Photometric data

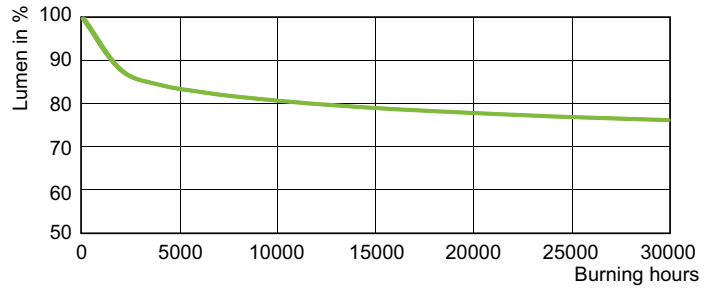
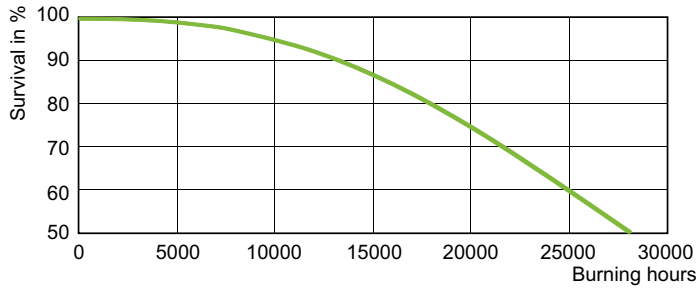


LDPB_SON-I_50W_70W-Spectral power distribution B/W



LDPO_SON-I_50W_70W-Spectral power distribution Colour

Lifetime



LDLE_SON-I_50W_70W-Life expectancy diagram

LDLM_SON-I_50W_70W-Lumen maintenance diagram

