



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]	Luminous Flux (Rated) (Min)	5040 lm
Operating Position	UNIVERSAL [Any or Universal (U)]	Luminous Flux (Rated) (Nom)	5600 lm
Life to 5% Failures (Nom)	10000 h	Lumen Maintenance 10000 h (Min)	70 %
Life To 10% Failures (Nom)	13000 h	Lumen Maintenance 10000 h (Nom)	81 %
Life to 20% Failures (Nom)	18000 h	Lumen Maintenance 2000 h (Min)	80 %
Life to 50% Failures (Nom)	28000 h	Lumen Maintenance 2000 h (Nom)	88 %
System Description	Internal Ignitor	Lumen Maintenance 20000 h	78 %
LSF 2000 h Rated	99 %	Lumen Maintenance 5000 h (Min)	75 %
LSF 4000 h Rated	99 %	Lumen Maintenance 5000 h (Nom)	83.5 %
LSF 6000 h Rated	98 %	Chromaticity Coordinate X (Nom)	0.54
LSF 8000 h Rated	97 %	Chromaticity Coordinate Y (Nom)	0.42
LSF 12000 h Rated	92 %	Correlated Color Temperature (Nom)	1900 K
LSF 16000 h Rated	84 %	Luminous Efficacy (rated) (Nom)	80 lm/W
LSF 20000 h Rated	74 %	Color Rendering Index (Max)	25
Flux measurement reference	Sphere	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 %
Light Technical			
Color Code	220 [CCT of 2000K]		
Luminous Flux (Nom)	5600 lm		

LLMF 16000 h Rated	79 %
LLMF 20000 h Rated	78 %

Operating and Electrical

Power (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

Bulb 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/1000 h	72 kWh
EPREL Registration Number	473373

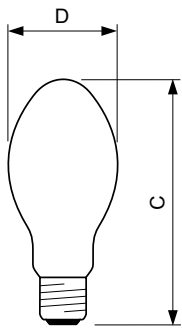
Luminaire Design Requirements

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	928150108828
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	24
Material Nr. (12NC)	928150108828
Net Weight (Piece)	0.065 kg
ILCOS Code	SE-70-H/I-E27

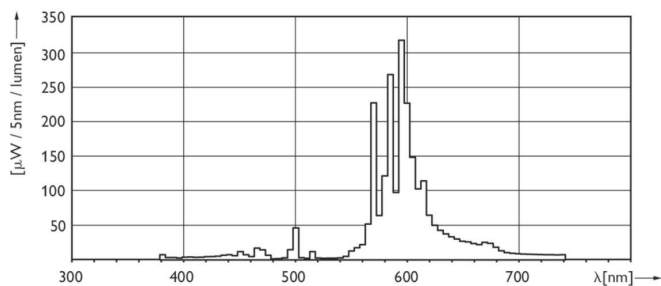
Dimensional drawing



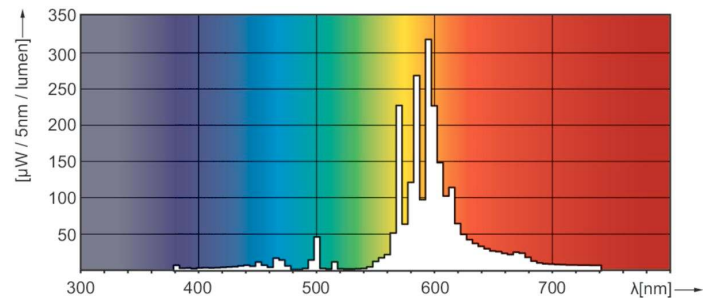
SON 70W/220 I E27

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

Photometric data

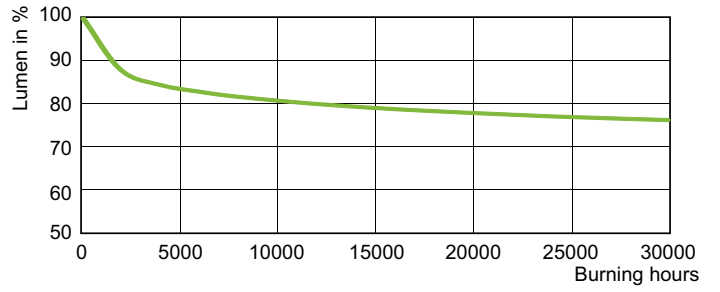
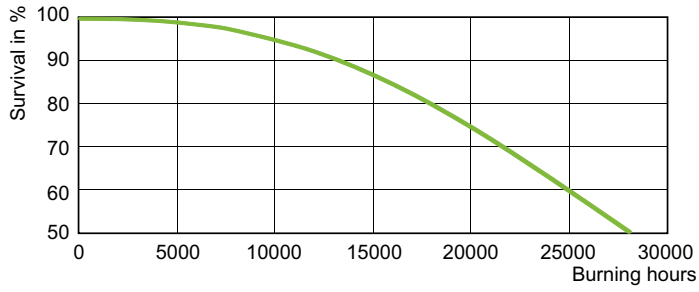


LDPB_SON-I_50W_70W-Spectral power distribution B/W



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

