



# 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]	Lumen maintenance 10,000 hours (min.)	70 %
Burning Position	UNIVERSAL [ Any/Universal]	Lumen maintenance 10,000 hours (nom.)	81 %
Life to 5% failures (nom.)	10000 h	Lumen maintenance 2,000 hours (min.)	80 %
Life to 10% failures (nom.)	13000 h	Lumen maintenance 2,000 hours (nom.)	88 %
Life to 20% failures (nom.)	18000 h	Lumen maintenance 20,000 hours	78 %
Life to 50% failures (nom.)	28000 h	Lumen maintenance 5,000 hours (min.)	75 %
System description	Internal Ignitor (I)	Lumen maintenance 5,000 hours (nom.)	83.5 %
LSF 2000 h Rated	99 %	Chromaticity coordinate X (nom.)	540
LSF 4000 h Rated	99 %	Chromaticity coordinate Y (nom.)	415
LSF 6000 h Rated	98 %	Colour Temperature, horizontal (Nom)	2000 K
LSF 8000 h Rated	97 %	Lamp Luminous Efficacy EM (Nom)	80 lm/W
LSF 12000 h Rated	92 %	Colour Rendering Index,horiz (Max)	25
LSF 16000 h Rated	84 %	Colour Rendering Index,horiz (Nom)	-
LSF 20000 h Rated	74 %	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 %
Light Technical			
Colour Code	220 [ CCT of 2,000 K]		
Lamp Luminous Flux (Min)	5040 lm		
Lamp Luminous Flux (Nom)	5600 lm		

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

**Controls and Dimming**

Dimmable	Yes
----------	-----

**Mechanical and Housing**

Lamp Finish	Coated glass
-------------	--------------

**Approval and Application**

Energy efficiency label (EEL)	A
Mercury (Hg) content (nom.)	16.3 mg

Energy consumption kWh/1,000 hours	77 kWh
------------------------------------	--------

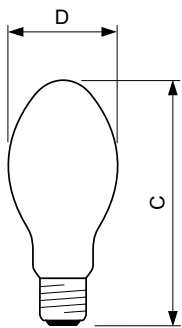
**Luminaire Design Requirements**

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
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

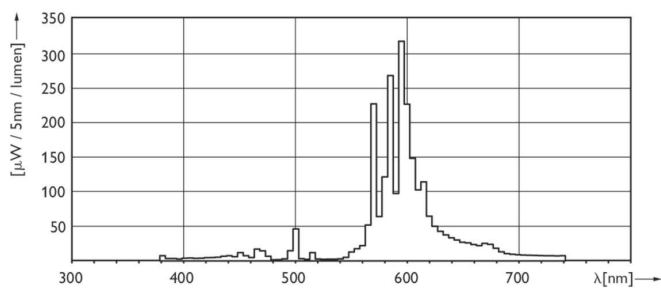
**Dimensional drawing**



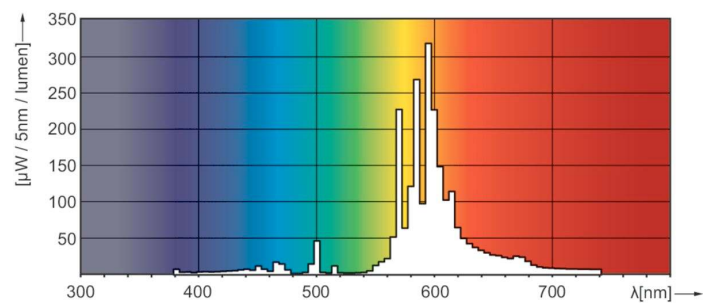
SON 70W/220 I E27

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

**Photometric data**

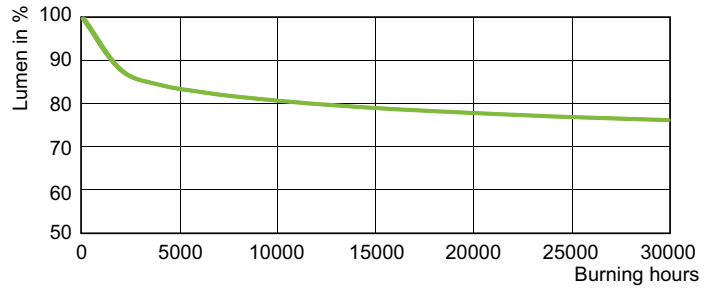
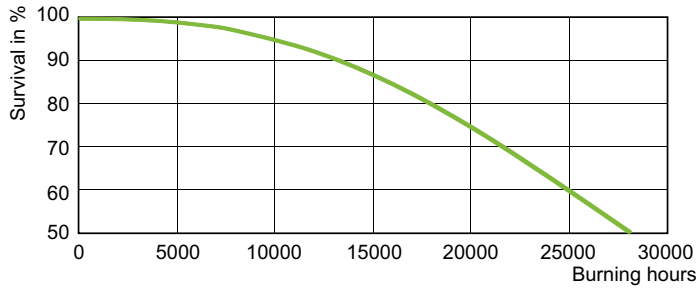


SON I 50W & 70W



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

