



# SON

## SON 50W/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]
Burning Position	UNIVERSAL [ Any/Universal]
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]
Lamp Luminous Flux 25°C EL (Nom)	3700 lm

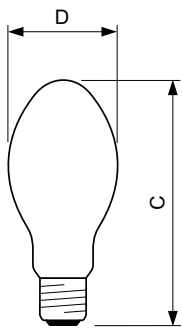
Lamp Luminous Flux (Nom)	3500 lm
Chromaticity coordinate X (nom.)	0.54
Chromaticity coordinate Y (nom.)	0.42
Colour Temperature, horizontal (Nom)	1900 K
Lamp Luminous Efficacy EM (Nom)	70 lm/W
Colour Rendering Index,horiz (Max)	25
Colour Rendering Index,horiz (Nom)	-
LLMF 2000 h Rated	88 %
LLMF 4000 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)	52.5 W
Lamp current (EM) (nom.)	0.76 A
Ignition supply voltage (max.)	198 V
Voltage (Max)	100 V

Voltage (Min)	70 V
Voltage (Nom)	85 V
<b>Controls and Dimming</b>	
Dimmable	Yes
<b>Mechanical and Housing</b>	
Lamp Finish	Coated glass
Bulb shape	B70 [ B 70mm]
<b>Approval and Application</b>	
Energy Efficiency Class	G
Mercury (Hg) content (max.)	12 mg
Mercury (Hg) content (nom.)	12 mg
Energy consumption kWh/1,000 hours	53 kWh
	473381

<b>Luminaire Design Requirements</b>	
Bulb temperature (max.)	350 °C
Cap-base temperature (max.)	200 °C
<b>Product Data</b>	
Full product code	871150018189330
Order product name	SON 50W/220 I E27 1CT/24
EAN/UPC – product	8711500181893
Order code	928150808828
Local order code	SONI50WES
SAP numerator – quantity per pack	1
Numerator – packs per outer box	24
SAP material	928150808828
SAP net weight (piece)	0.062 kg
ILCOS code	SE-50-H/I-E27

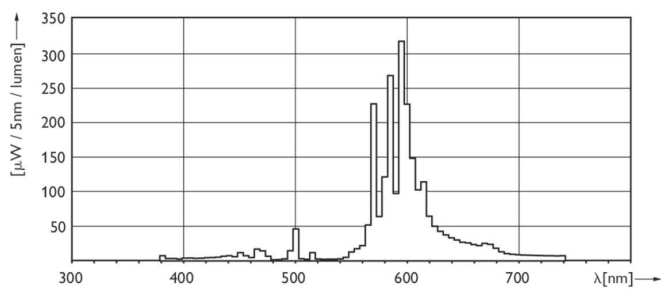
Dimensional drawing



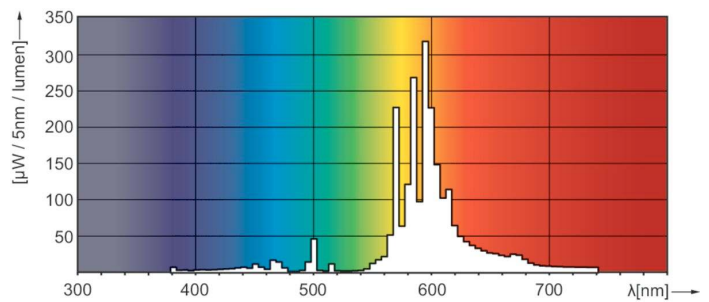
SON 50W/220 I E27

Product	D (max)	C (max)
SON 50W/220 I E27 1CT/24	71 mm	156 mm

Photometric data

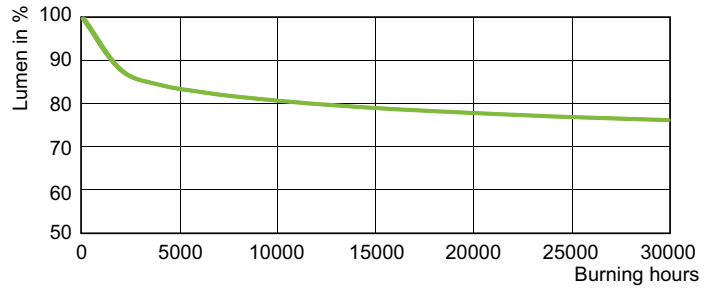
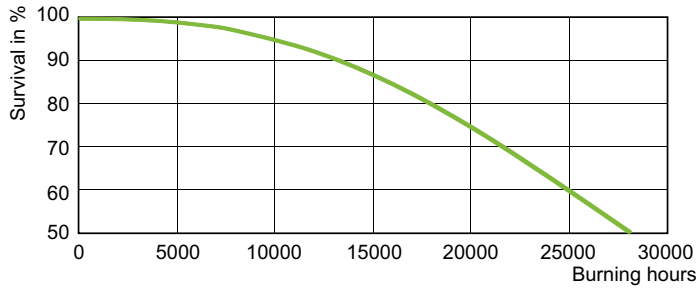


SON I 50W & 70W



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

