



**SON**



**SON 70W E E27 CO 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.)	12000 h
Life to 20% failures (nom.)	22000 h
Life to 50% failures (nom.)	28000 h
System description	External Ignitor (E)
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	98 %
LSF 12000 h Rated	94 %
LSF 16000 h Rated	86 %
LSF 20000 h Rated	76 %
	Sphere
Light Technical	
Colour Code	220 [ CCT of 2,000 K]
Lamp Luminous Flux (Min)	5220 lm
Lamp Luminous Flux (Nom)	5800 lm

Lumen maintenance 10,000 hours (nom.)	85 %
Lumen maintenance 2,000 hours (min.)	85 %
Lumen maintenance 2,000 hours (nom.)	93 %
Lumen maintenance 5,000 hours (min.)	80 %
Lumen maintenance 5,000 hours (nom.)	88 %
Chromaticity coordinate X (nom.)	0.540
Chromaticity coordinate Y (nom.)	0.420
Colour Temperature, horizontal (Nom)	1900 K
Lamp Luminous Efficacy EM (Nom)	80 lm/W
Colour Rendering Index,horiz (Max)	25
Colour Rendering Index,horiz (Nom)	-
LLMF 2000 h Rated	93 %
LLMF 4000 h Rated	89 %
LLMF 6000 h Rated	86 %
LLMF 8000 h Rated	84 %
LLMF 12000 h Rated	81 %
LLMF 16000 h Rated	79 %
LLMF 20000 h Rated	78 %

**Operating and Electrical**

Power (Rated) (Nom)	72.5 W
Lamp current (EM) (nom.)	0.950 A
Ignition supply voltage (max.)	198 V
Ignition peak voltage (max.)	1800 V
Re-ignition time (min.) (max.)	180 s
Ignition time (max.)	5 s
Voltage (Max)	105 V
Voltage (Min)	75 V
Voltage (Nom)	95 V

**Controls and Dimming**

Dimmable	Yes
Run-up time 90% (max.)	5 min

**Mechanical and Housing**

Lamp Finish	Coated glass
Bulb shape	BF70 [ BF 70mm]

**Approval and Application**

Energy Efficiency Class	G
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Mercury (Hg) content (max.)	16.3 mg
Mercury (Hg) content (nom.)	16.3 mg
Energy consumption kWh/1,000 hours	73 kWh
	473291

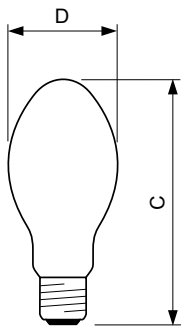
**Luminaire Design Requirements**

Bulb temperature (max.)	350 °C
Cap-base temperature (max.)	200 °C

**Product Data**

Full product code	871150021024130
Order product name	SON 70W E E27 CO 1CT/24
EAN/UPC – product	8711500210241
Order code	928486700091
SAP numerator – quantity per pack	1
Numerator – packs per outer box	24
SAP material	928486700091
SAP net weight (piece)	57.000 g

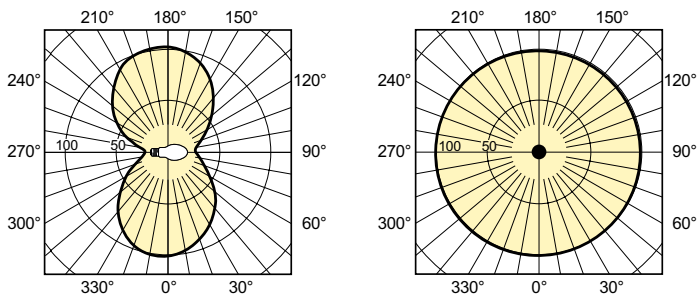
**Dimensional drawing**



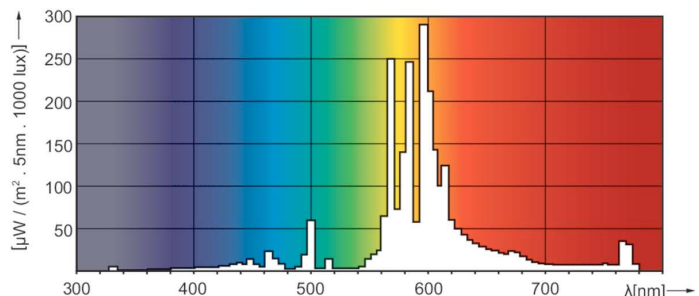
SON 70W E E27 CO

Product	D (max)	C (max)
SON 70W E E27 CO 1CT/24	71 mm	156 mm

**Photometric data**

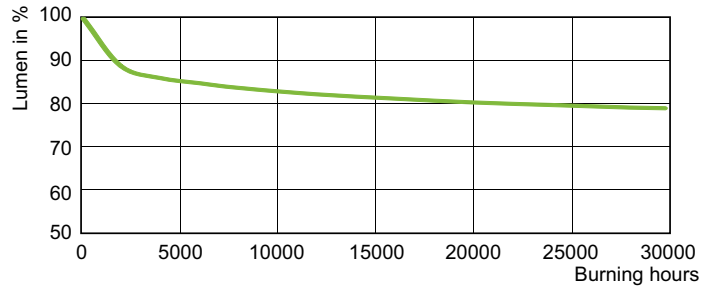
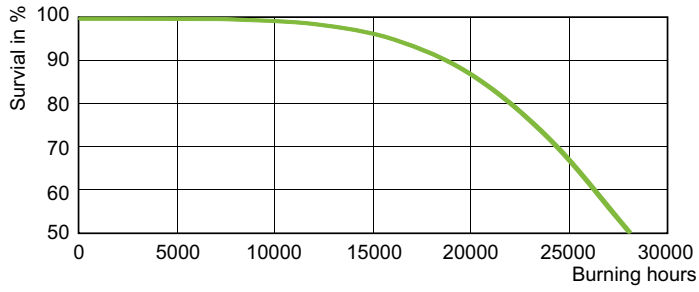


LDLD\_SON-Light distribution diagram



LDPO\_SON-Spectral power distribution Colour

Lifetime



LDLE\_SON\_50W\_70W-Life expectancy diagram

LDLM\_SON\_50W\_70W-Lumen maintenance diagram

