



**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]
Operating Position	UNIVERSAL [ Any or Universal (U)]
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
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 %
Flux measurement reference	Sphere
Light technical	
Color Code	220 [ CCT of 2000K]
Luminous Flux (Rated) (Min)	5220 lm
Luminous Flux (Rated) (Nom)	5800 lm

Lumen Maintenance 10000 h (Nom)	85 %
Lumen Maintenance 2000 h (Min)	85 %
Lumen Maintenance 2000 h (Nom)	93 %
Lumen Maintenance 5000 h (Min)	80 %
Lumen Maintenance 5000 h (Nom)	88 %
Chromaticity Coordinate X (Nom)	0.540
Chromaticity Coordinate Y (Nom)	0.420
Correlated Color Temperature (Nom)	1900 K
Luminous Efficacy (rated) (Nom)	80 lm/W
Color Rendering Index (Max)	25
Color Rendering Index (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 (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**

Bulb 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/1000 h	73 kWh
EPREL Registration Number	473291

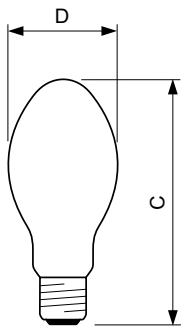
**Luminaire design requirements**

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
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	24
Material Nr. (12NC)	928486700091
Net Weight (Piece)	57.000 g

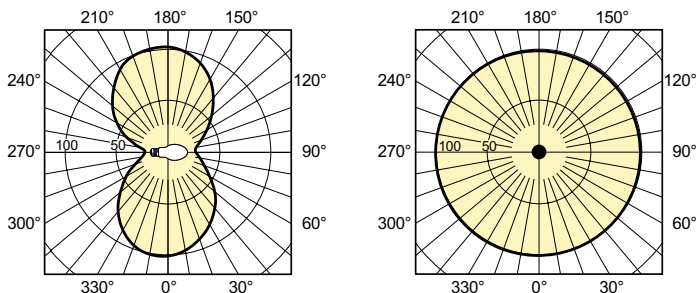
**Dimensional drawing**



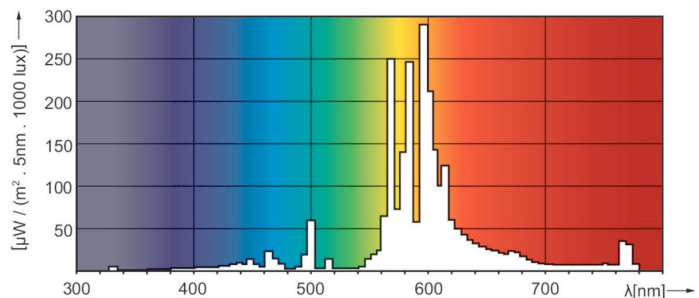
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Product	D (max)	C (max)
SON 70W E E27 CO 1CT/24	71 mm	156 mm

**Photometric data**

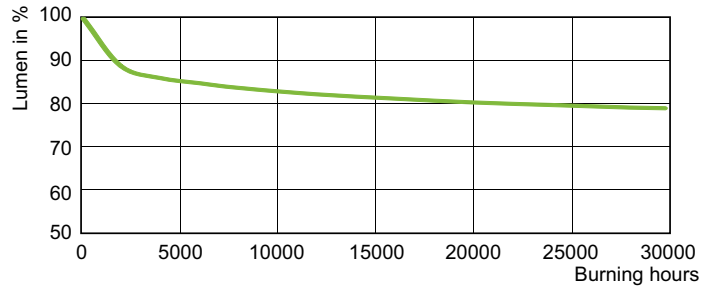
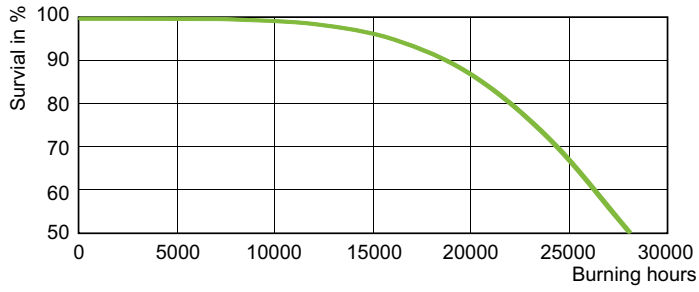


LDLD\_SON-Light distribution diagram



LDPO\_SON-Spectral power distribution Colour

Lifetime



LDLE\_SON\_50W\_70W-Life expectancy diagram

LDLM\_SON\_50W\_70W-Lumen maintenance diagram

