



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]	Lumen maintenance 2,000 hours (min.)	85 %
Burning Position	UNIVERSAL [Any/Universal]	Lumen maintenance 2,000 hours (nom.)	93 %
Life to 5% failures (nom.)	12000 h	Lumen maintenance 5,000 hours (min.)	80 %
Life to 20% failures (nom.)	22000 h	Lumen maintenance 5,000 hours (nom.)	88 %
Life to 50% failures (nom.)	28000 h	Colour Temperature, horizontal (Nom)	2000 K
System description	External Ignitor (E)	Lamp Luminous Efficacy EM (Nom)	80 lm/W
LSF 2000 h Rated	99 %	Colour Rendering Index,horiz (Max)	25
LSF 4000 h Rated	99 %	Colour Rendering Index,horiz (Nom)	-
LSF 6000 h Rated	99 %	LLMF 2000 h Rated	93 %
LSF 8000 h Rated	98 %	LLMF 4000 h Rated	89 %
LSF 12000 h Rated	94 %	LLMF 6000 h Rated	86 %
LSF 16000 h Rated	86 %	LLMF 8000 h Rated	84 %
LSF 20000 h Rated	76 %	LLMF 12000 h Rated	81 %
		LLMF 16000 h Rated	79 %
		LLMF 20000 h Rated	78 %
Light Technical		Operating and Electrical	
Colour Code	220 [CCT of 2,000 K]	Power (Rated) (Nom)	70.0 W
Lamp Luminous Flux (Min)	4500 lm	Lamp current (EM) (nom.)	0.98 A
Lamp Luminous Flux (Nom)	5600 lm	Ignition supply voltage (max.)	198 V
Lumen maintenance 10,000 hours (nom.)	85 %		

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)	90 V

Controls and Dimming

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

Mechanical and Housing

Lamp Finish	Coated glass
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Approval and Application

Energy efficiency label (EEL)	A
Mercury (Hg) content (nom.)	16.3 mg
Energy consumption kWh/1,000 hours	77 kWh

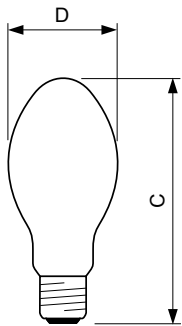
Luminaire Design Requirements

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

Product Data

Full product code	871150021024130
Order product name	SON 70W E E27 CO 1CT/24
EAN/UPC – product	8711500210241
Order code	928486700091
Local order code	SON70WES
SAP numerator – quantity per pack	1
Numerator – packs per outer box	24
SAP material	928486700091
SAP net weight (piece)	0.059 kg

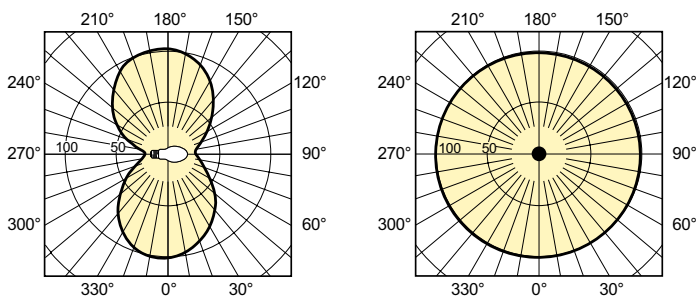
Dimensional drawing



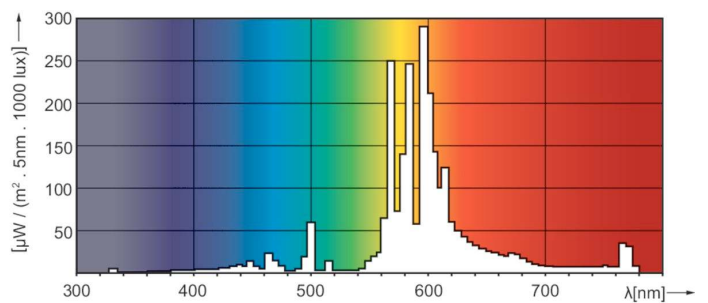
SON 70W E E27 CO

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

Photometric data

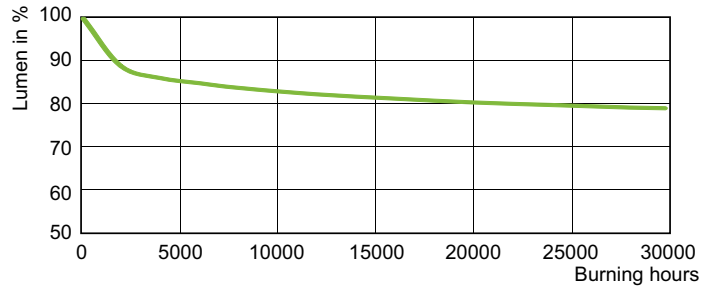
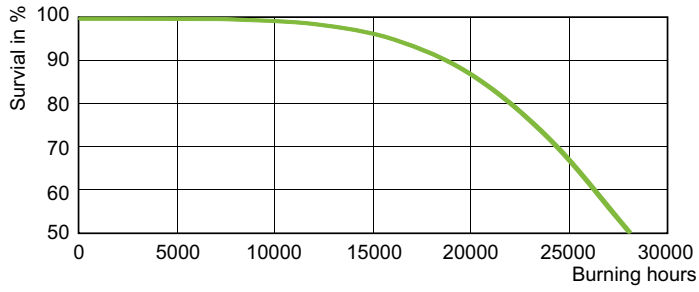


LDLD_SON-Light distribution diagram



LDPO_SON-Spectral power distribution Colour

Lifetime



LDLE_SON_50W_70W-Life expectancy diagram

LDLM_SON_50W_70W-Lumen maintenance diagram

