



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 10,000 hours (nom.)	85 %
Burning Position	UNIVERSAL [Any/Universal]	Lumen maintenance 2,000 hours (min.)	85 %
Life to 5% failures (nom.)	12000 h	Lumen maintenance 2,000 hours (nom.)	93 %
Life to 20% failures (nom.)	22000 h	Lumen maintenance 5,000 hours (min.)	80 %
Life to 50% failures (nom.)	28000 h	Lumen maintenance 5,000 hours (nom.)	88 %
System description	External Ignitor (E)	Chromaticity coordinate X (nom.)	0.540
LSF 2000 h Rated	99 %	Chromaticity coordinate Y (nom.)	0.420
LSF 4000 h Rated	99 %	Colour Temperature, horizontal (Nom)	1900 K
LSF 6000 h Rated	99 %	Lamp Luminous Efficacy EM (Nom)	80 lm/W
LSF 8000 h Rated	98 %	Colour Rendering Index,horiz (Max)	25
LSF 12000 h Rated	94 %	Colour Rendering Index,horiz (Nom)	-
LSF 16000 h Rated	86 %	LLMF 2000 h Rated	93 %
LSF 20000 h Rated	76 %	LLMF 4000 h Rated	89 %
	Sphere	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 %
Light technical			
Colour Code	220 [CCT of 2,000 K]		
Lamp Luminous Flux (Min)	5220 lm		
Lamp Luminous Flux (Nom)	5800 lm		

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
Mercury (Hg) content (max.)	16.3 mg

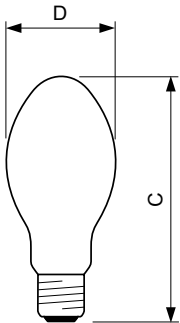
Mercury (Hg) content (nom.)	16.3 mg
Energy consumption kWh/1,000 hours	73 kWh
	473291

Luminaire design requirements

Bulb temperature (max.)	350 °C
Cap-base temperature (max.)	200 °C
Cap-Base Temperature (Max)-DUP(do not use)	392 °F

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
Local code description	LAMPADA VAPOR DE SODIO OVOIDE 70W
Numerator – packs per outer box	24
SAP material	928486700091
Net Weight (Piece)	57.000 g

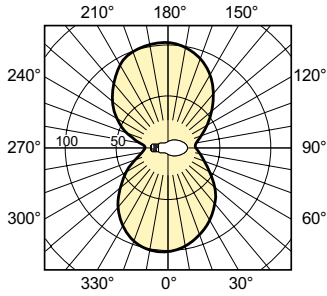
Dimensional drawing

SON 70W E E27 CO 1CT/24

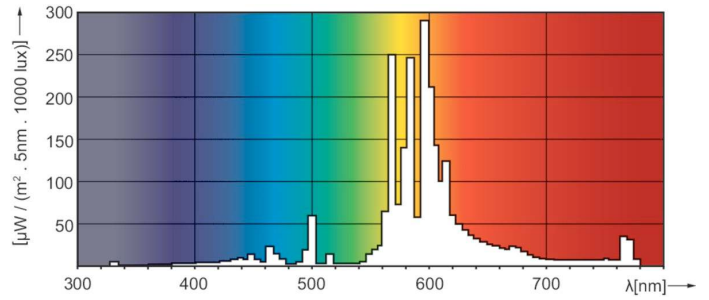
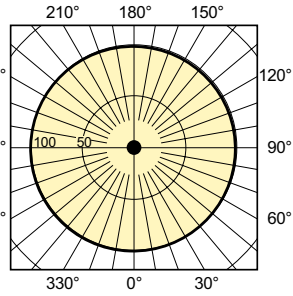
Product	D (max)	C (max)
SON 70W E E27 CO 1CT/24	71 mm	156 mm

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Photometric data

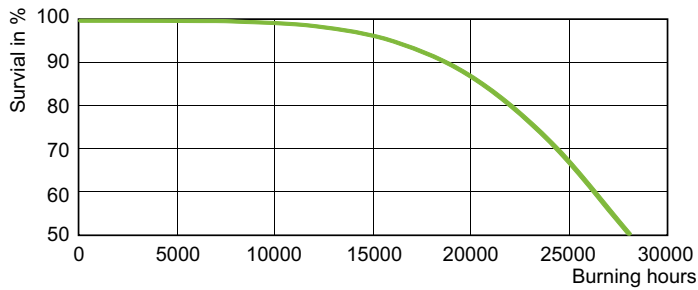


LDLD_SON-Light distribution diagram

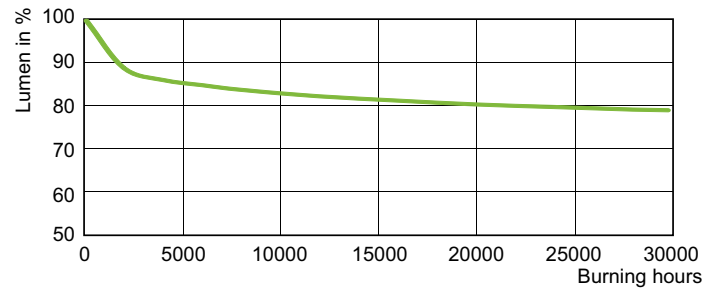


LDPO_SON-Spectral power distribution Colour

Lifetime



LDLE_SON_50W_70W-Life expectancy diagram



LDLM_SON_50W_70W-Lumen maintenance diagram

