



SON

SON 70W | E27 CO 1CT

High Pressure Sodium lamp with opalized ovoid outer bulb

PHILIPS
sense and simplicity

Product data

• General Characteristics

System Description	Internal Ignitor
Cap-Base	E27
Bulb	BF70 [BF 70mm]
Bulb Finish	Coated
Operating Position	any [Any or Universal (U)]
Life to 5% failures	12000 hr
Life to 20% failures	22000 hr
Life to 50% failures	28000 hr

• Electrical Characteristics

Lamp Wattage	70 W
Lamp Wattage EM	70.0 W
Lamp Voltage	90 V
Lamp Current EM	0.98 A
Dimmable	No

• Environmental Characteristics

Mercury (Hg) Content	16.3 mg
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• Light Technical Characteristics

Color Code	220 [CCT of 2000K]
Color Rendering Index	25 (max) Ra8
Color Temperature	2000 K
Color Temperature Technical	1900 K
Luminous Flux Lamp EM	5600 Lm
Luminous Efficacy Lamp EM	79 Lm/W
Lumen Maintenance 2000h	93 %

Lumen Maintenance 5000h	88 %
Lumen Maintenance 10000h	85 %

• Product Dimensions

Overall Length C	156 (max) mm
Diameter D	71 (max) mm
Light Center Length L	105 mm

• Luminaire Design Requirements

Cap-Base Temperature	200 (max) C
Bulb Temperature	350 (max) C

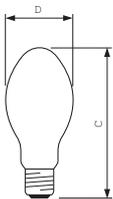
• Product Data

Order code	928480600092
Full product code	928480600092
Full product name	SON 70W I E27 CO 1CT
Order product name	SON 70W I E27 CO 1CT/24
Pieces per pack	1
Packing configuration	24
Packs per outerbox	24
Bar code on pack - EAN1	8711500200235
Bar code on outerbox - EAN3	8711500200242
Logistic code(s) - 12NC	928480600092
Net weight per piece	0.062 kg

Warnings and Safety

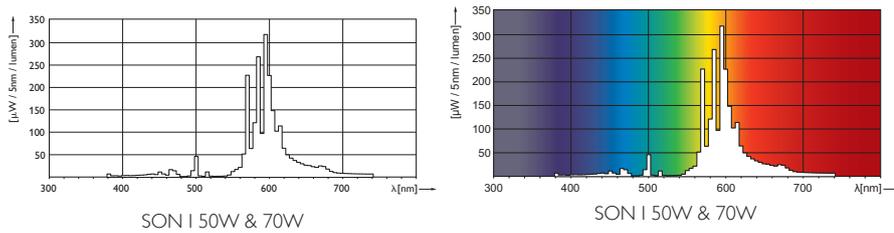
- Control gear must include end-of-life protection (IEC60662, IEC 62035)

Dimensional drawing



Product	C (Max)	D (Max)
SON 70W I E27 CO	156	71

Photometric data



Lamps being part of this product family comply with Commission Regulation (EC) No 245/2009 – Ecodesign requirements, applicable from 13 April 2010.

1.3 Product information requirements on lamps

- a) Nominal and rated lamp wattage;
- b) Nominal and rated lamp luminous flux;
- c) Rated lamp efficacy at 100 h in standard conditions.
- d) Rated lamp Lumen Maintenance Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
- e) Rated lamp Survival Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
- f) Lamp mercury content as XX mg;
- g) Colour Rendering Index (Ra) of the lamp;
- h) Colour temperature of the lamp;
- i) Ambient temperature inside the luminaire at which the lamp was designed to maximise its luminous flux. If this temperature is equal to or lower than 0 °C or equal to or higher than 50 °C it shall be stated that the lamp is not suitable for indoor use at standard room temperatures;

For more information see <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:076:0017:0044:EN:PDF>



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data subject to change