



SON

SON 70W/220 | E27 1CT/24

High Pressure Sodium lamp with opalized ovoid outer bulb

Product data

• General Information

Cap base	E27 [ES]
Bulb shape	B70 [B 70mm]
Burning Position	UNIVERSAL [Any/Universal]
Life to 5% failures (nom.)	10000 h
Life to 10% failures (nom.)	13000 h
Life to 20% failures (nom.)	18000 h
Life to 50% failures (nom.)	28000 h
System description	Internal Ignitor (I)
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	98 %
LSF 8000 h Rated	97 %
LSF 12000 h Rated	92 %
LSF 16000 h Rated	84 %
LSF 20000 h Rated	74 %

• Light Technical

Lamp Luminous Flux (Min)	5040 lm
Lamp Luminous Flux (Nom)	5600 lm
Lumen maintenance 10,000 hours (min.)	70 %
Lumen maintenance 10,000 hours (nom.)	81 %
Lumen maintenance 2,000 hours (min.)	80 %
Lumen maintenance 2,000 hours (nom.)	88 %
Lumen maintenance 20,000 hours	78 %

Lumen maintenance 5,000 hours (min.)	75 %
Lumen maintenance 5,000 hours (nom.)	83.5 %
Chromaticity coordinate X (nom.)	540
Chromaticity coordinate Y (nom.)	415
Colour Temperature, horizontal (Nom)	2000 K
Lamp Luminous Efficacy EM (Nom)	80 lm/W
Colour Rendering Index,horiz (Max)	25
Colour Rendering Index,horiz (Nom)	-
LLMF 2000 h Rated	88 %
LLMF 4000 h Rated	84 %
LLMF 6000 h Rated	83 %
LLMF 8000 h Rated	81 %
LLMF 12000 h Rated	80 %
LLMF 16000 h Rated	79 %
LLMF 20000 h Rated	78 %

• Operating and Electrical

Power (Rated) (Nom)	70.0 W
Lamp current (EM) (nom.)	0.98 A
Ignition supply voltage (max.)	198 V
Voltage (Max)	105 V
Voltage (Min)	75 V
Voltage (Nom)	90 V

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• Controls and Dimming

Dimmable yes

• Mechanical and Housing

Bulb finish Coated [Coated glass (CO)]

• Approval and Application

Energy efficiency label (EEL) A+
 Mercury (Hg) content (nom.) 16.3 mg
 Energy Consumption 77 kWh/1000 h

• Luminaire Design Requirements

Bulb temperature (max.) 350 °C

Cap base temperature (max.) 200 °C

• Product Data

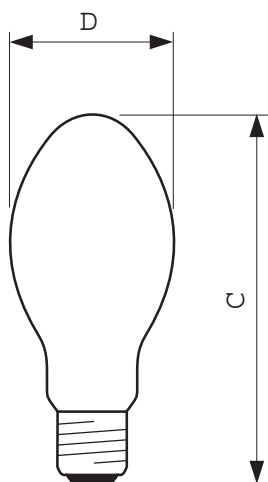
Full product code 871150018186230
 Order product name SON 70W/220 I E27 1CT/24
 EAN/UPC – product 8711500181862
 Order code 928150108828
 Local Code SONI70WES
 Numerator – quantity per pack 1
 Numerator – packs per outer box 24
 Material no. (12NC) 928150108828
 Net weight (piece) 0.065 kg
 ILCOS Code SE-70-H/I-E27

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.

Dimensional drawing



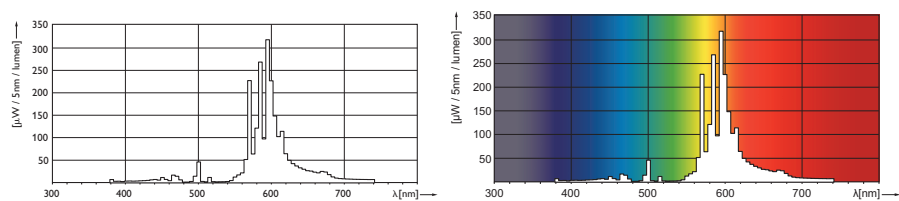
SON (Internal Ignitor) E27



SON 70W/220 I E27

Product	D	C
SON 70W/220 I E27 1CT/24	71 mm	155 mm

Photometric data



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