



SON

SON 70W E E27 CO 1CT/24

High Pressure Sodium lamp with opalized ovoid outer bulb

Product data

General Information	
Cap base	E27 [E27]
Burning Position	UNIVERSAL [Any/Universal]
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 (E)
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 %
Light Technical	
Colour Code	220 [CCT of 2,000 K]
Lamp Luminous Flux (Min)	4500 lm
Lamp Luminous Flux (Nom)	5600 lm
Lumen maintenance 10,000 hours (nom.)	85 %
Lumen maintenance 2,000 hours (min.)	85 %
Lumen maintenance 2,000 hours (nom.)	93 %
Lumen maintenance 5,000 hours (min.)	80 %
Lumen maintenance 5,000 hours (nom.)	88 %
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	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 (Rated) (Nom)	70.0 W
Lamp current (EM) (nom.)	0.98 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)	90 V

Controls and Dimming

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

Mechanical and Housing

Bulb 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/1000 h	77 kWh

Luminaire Design Requirements

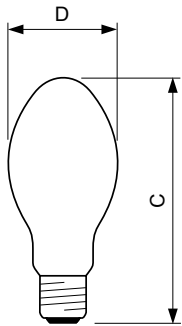
Bulb temperature (max.)	350 °C
Cap base temperature (max.)	200 °C

Product Data

Full product code	871150021024130
Order product name	SON 70W E E27 CO 1CT/24
EAN/UPC – product	8711500210241
Order code	928486700091
Local Code	SON70WES
Numerator – quantity per pack	1
Numerator – packs per outer box	24
Material no. (12NC)	928486700091
Net weight (piece)	0.059 kg

Warnings and Safety

Dimensional drawing

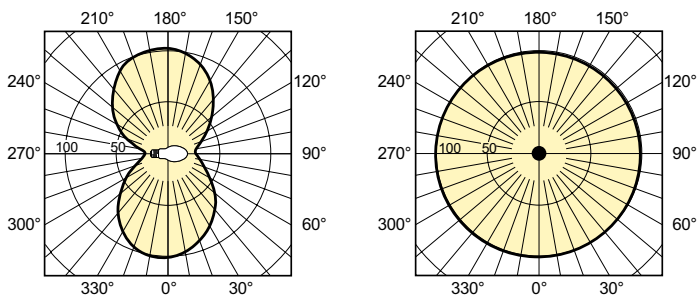


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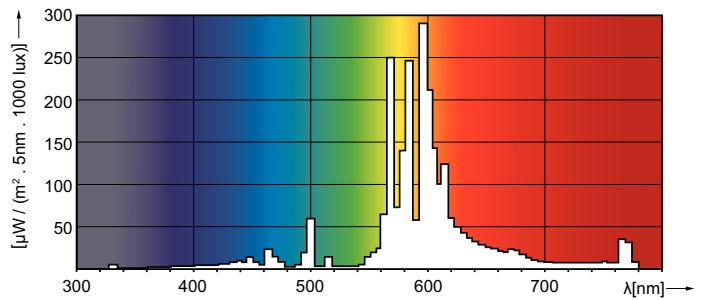
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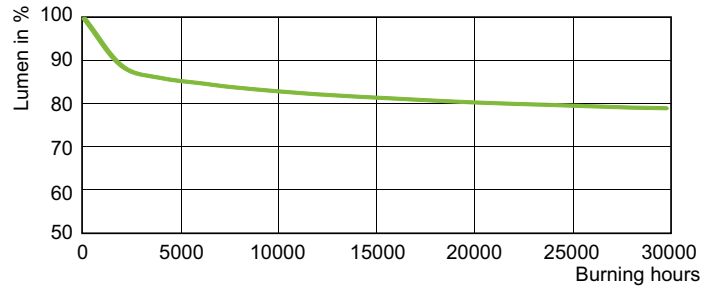
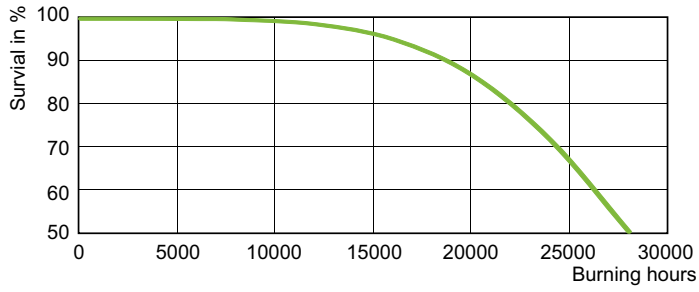
Photometric data



LDLD_SON-Light distribution diagram



Lifetime



LDLM_SON_50W_70W-Lumen maintenance diagram

