



SON

SON 100W E E40 CO 1SL

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	E40 [E40]
Burning Position	UNIVERSAL [Any/Universal]
Life to 10% failures (nom.)	12000 h
Life to 50% failures (nom.)	24000 h
System description	External Ignitor (E)

Light Technical	
Colour Code	220 [CCT of 2,000 K]
Lamp Luminous Flux (Min)	7200 lm
Lamp Luminous Flux (Nom)	8000 lm
Lumen maintenance 2,000 hours (min.)	80 %
Lumen maintenance 2,000 hours (nom.)	90 %
Lumen maintenance 5,000 hours (min.)	75 %
Lumen maintenance 5,000 hours (nom.)	85 %
Colour Temperature, horizontal (Nom)	1900 K
Lamp Luminous Efficacy EM (Nom)	85 lm/W
Colour Rendering Index,horiz (Max)	25

Operating and Electrical	
Power (Rated) (Nom)	100.0 W
Lamp current (EM) (nom.)	1.2 A
Ignition supply voltage (max.)	198 V
Ignition peak voltage (max.)	2800 V
Re-ignition time (min.) (max.)	120 s
Ignition time (max.)	5 s
Voltage (Max)	115 V
Voltage (Min)	85 V
Voltage (Nom)	100 V

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

Mechanical and Housing	
Lamp Finish	Coated glass
Bulb shape	ED75 [ED 75mm]

Approval and Application

Mercury (Hg) content (nom.)	20.2 mg
Energy consumption kWh/1,000 hours	110 kWh

Luminaire Design Requirements

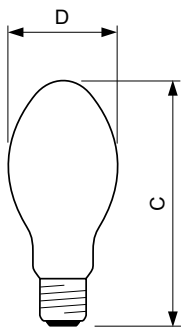
Bulb temperature (max.)	350 °C
Cap-base temperature (max.)	200 °C

Product Data

Full product code	872790030018515
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Order product name	SON 100W E E40 CO 1SL
EAN/UPC – product	8727900300185
Order code	928490000091
Local order code	9284-900-00091
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928490000091
SAP net weight (piece)	0.121 kg

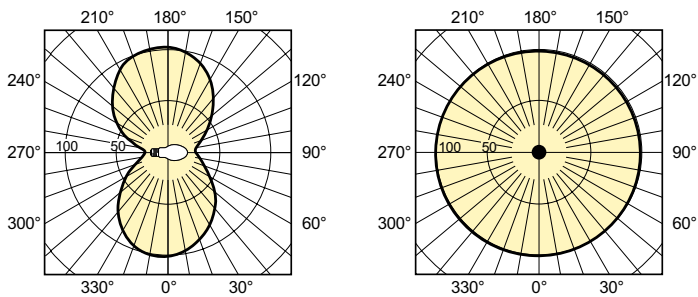
Dimensional drawing



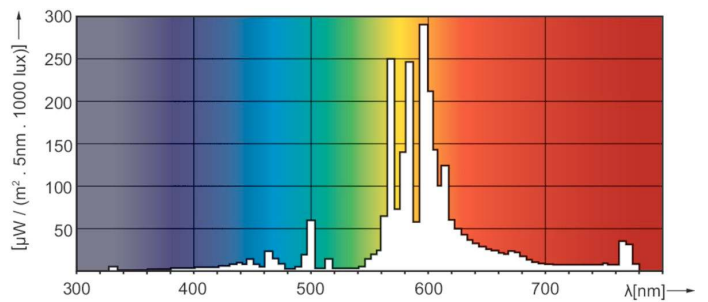
SON 100W E E40 CO 1SL

Product	D (max)	C (max)
SON 100W E E40 CO 1SL	76 mm	186 mm

Photometric data

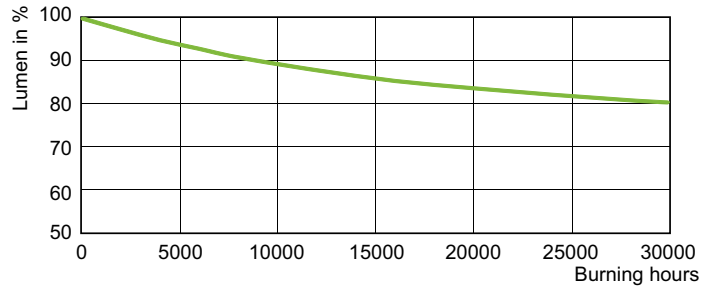
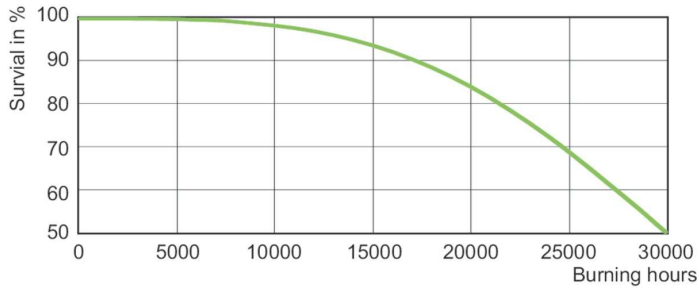


LDLD_SON-Light distribution diagram



LDPO_SON-Spectral power distribution Colour

Lifetime



LDLE_SON_0001-Life expectancy diagram

LDLM_SON_100W-Lumen maintenance diagram

