



# SON

## SON 400W E E40 CO 1SL/12

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 5% failures (nom.)	12000 h
Life to 20% failures (nom.)	20000 h
Life to 50% failures (nom.)	28000 h
System description	External Ignitor (E)
Light Technical	
Colour Code	220 [ CCT of 2,000 K]
Lamp Luminous Flux (Min)	42000 lm
Lamp Luminous Flux (Nom)	48000 lm
Lumen maintenance 10,000 hours (min.)	81 %
Lumen maintenance 10,000 hours (nom.)	88 %
Lumen maintenance 2,000 hours (min.)	94 %
Lumen maintenance 2,000 hours (nom.)	97 %
Lumen maintenance 5,000 hours (min.)	88 %
Lumen maintenance 5,000 hours (nom.)	94 %
Colour Temperature, horizontal (Nom)	2000 K
Lamp Luminous Efficacy EM (Nom)	122 lm/W

Colour Rendering Index,horiz (Max)	25
Colour Rendering Index,horiz (Nom)	-

Operating and Electrical	
Power (Rated) (Nom)	400.0 W
Lamp current (EM) (nom.)	4.45 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)	120 V
Voltage (Min)	90 V
Voltage (Nom)	105 V

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

**Mechanical and Housing**

Lamp Finish	Coated glass
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**Approval and Application**

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	24.5 mg
Energy consumption kWh/1,000 hours	440 kWh

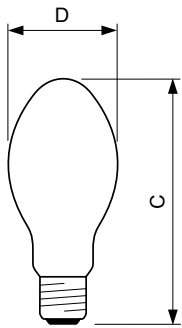
**Luminaire Design Requirements**

Bulb temperature (max.)	350 °C
Cap-base temperature (max.)	250 °C

**Product Data**

Full product code	871150021032615
Order product name	SON 400W E E40 CO 1SL/12
EAN/UPC – product	8711500210326
Order code	928487000091
Local order code	SON400WGES
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928487000091
SAP net weight (piece)	0.246 kg

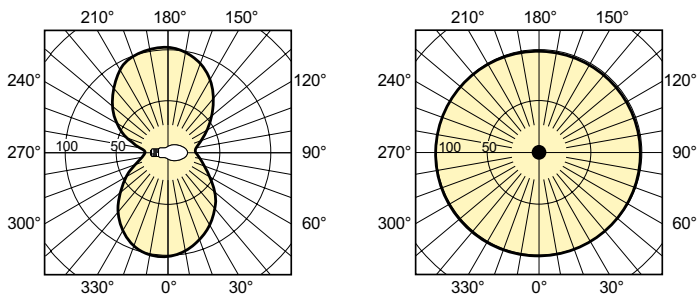
**Dimensional drawing**



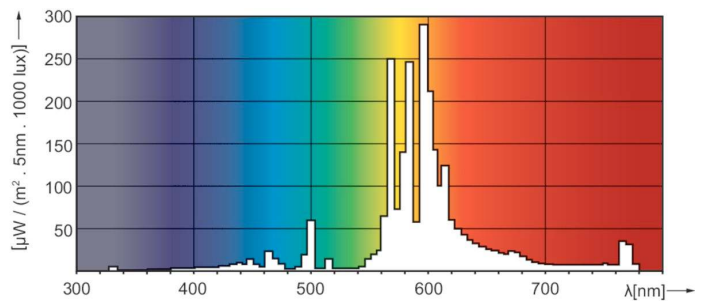
SON 400W E E40 CO

Product	D (max)	C (max)
SON 400W E E40 CO 1SL/12	122 mm	290 mm

**Photometric data**

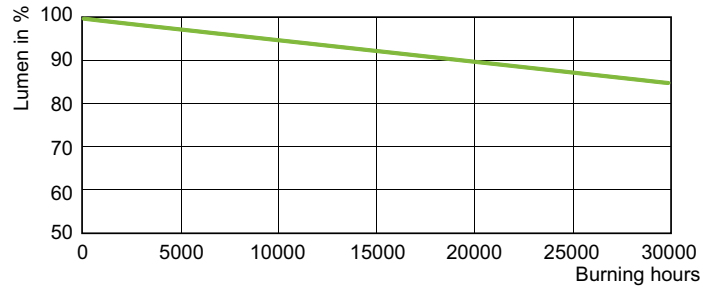
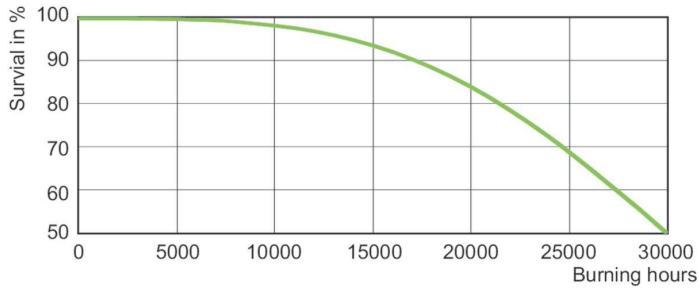


LDLD\_SON-Light distribution diagram



LDPO\_SON-Spectral power distribution Colour

Lifetime



LDLE\_SON\_0001-Life expectancy diagram

LDLM\_SON\_0001-Lumen maintenance diagram

