



# SON

## SON 250W 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]
Operating position	UNIVERSAL [ Any or Universal (U)]
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]
Luminous flux (rated) (min.)	22500 lm
Luminous flux (rated) (nom.)	27000 lm
Lumen maintenance 10,000 hours (min.)	90 %
Lumen maintenance 10,000 hours (nom.)	95 %
Lumen maintenance 2,000 hours (min.)	95 %
Lumen maintenance 2,000 hours (nom.)	98 %
Lumen maintenance 5,000 hours (min.)	92 %
Lumen maintenance 5,000 hours (nom.)	96 %
Correlated Colour Temperature (Nom)	2000 K
Luminous efficacy (rated) (nom.)	106 lm/W

Color rendering index (max.)	25
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Operating and Electrical	
Power (Rated) (Nom)	250 W
Lamp current (EM) (nom.)	3 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

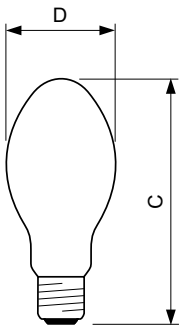
Mechanical and Housing	
Lamp Finish	Coated glass

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Bulb shape	ED90 [ ED 90mm]
<b>Approval and Application</b>	
Mercury (Hg) content (nom.)	20.4 mg
Energy consumption kWh/1,000 hours	275 kWh
<b>Luminaire Design Requirements</b>	
Bulb temperature (max.)	350 °C
Cap-base temperature (max.)	250 °C
<b>Product Data</b>	
Full product code	871150021038815

Order product name	SON 250W E E40 CO 1SL/12
EAN/UPC – product	8711500210388
Order code	21038815
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928486900091
SAP net weight (piece)	0.063 kg

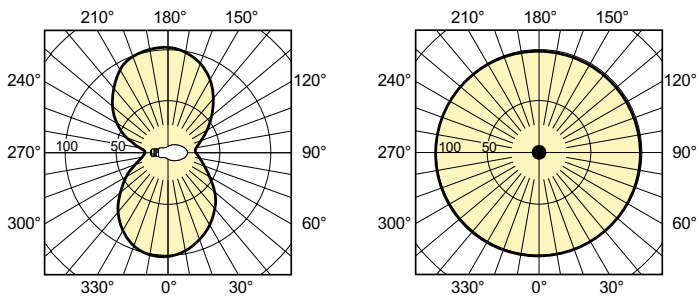
## Dimensional drawing



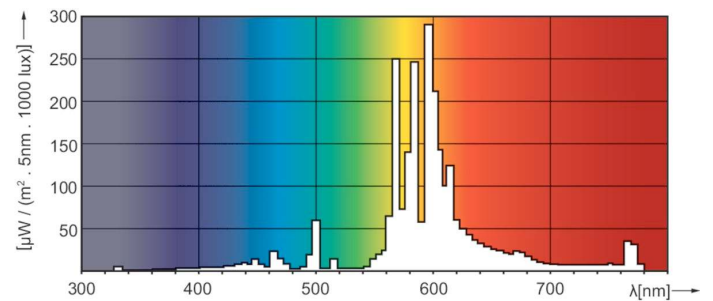
SON 250W E E40 CO 1SL/12

Product	D (max)	C (max)
SON 250W E E40 CO 1SL/12	91 mm	226 mm

## Photometric data

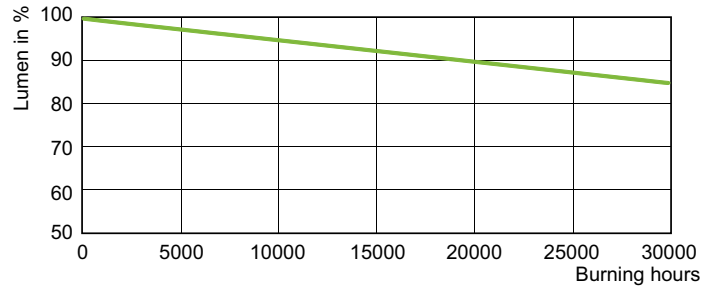
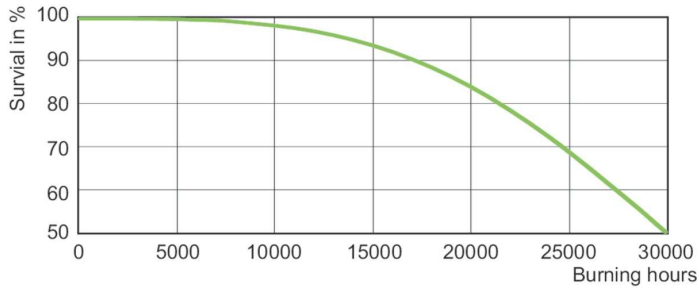


LDLD\_SON-Light distribution diagram



LDPO\_SON-Spectral power distribution Colour

Lifetime



LDLE\_SON\_0001-Life expectancy diagram

LDLM\_SON\_0001-Lumen maintenance diagram

