



# 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]
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)	22500 lm
Lamp Luminous Flux (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 %
Colour Temperature, horizontal (Nom)	2000 K
Lamp Luminous Efficacy EM (Nom)	106 lm/W

Colour Rendering Index,horiz (Max)	25
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]
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## Approval and application

Mercury (Hg) content (nom.)	20.4 mg
Energy consumption kWh/1,000 hours	275 kWh

## Luminaire design requirements

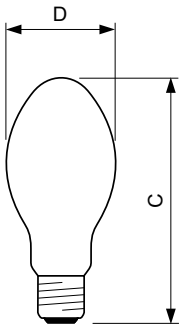
Bulb temperature (max.)	350 °C
Cap-base temperature (max.)	250 °C
Cap-Base Temperature (Max)-DUP(do not use)	482 °F

## Product data

Full product code	871150021038815
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Order product name	SON 250W E E40 CO 1SL/12
EAN/UPC – product	8711500210388
Order code	928486900091
SAP numerator – quantity per pack	1
Local code description	LAMPADA VAPOR DE SODIO OVOIDE 250W
Numerator – packs per outer box	12
SAP material	928486900091
Net Weight (Piece)	0.063 kg

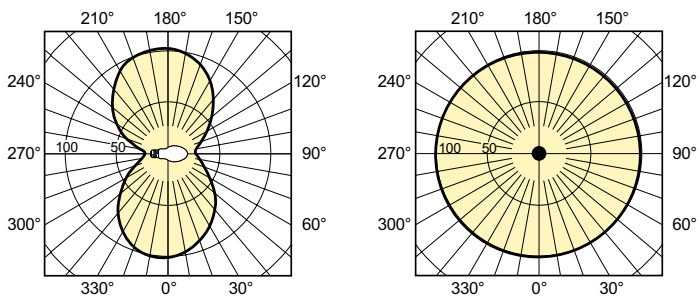
## Dimensional drawing



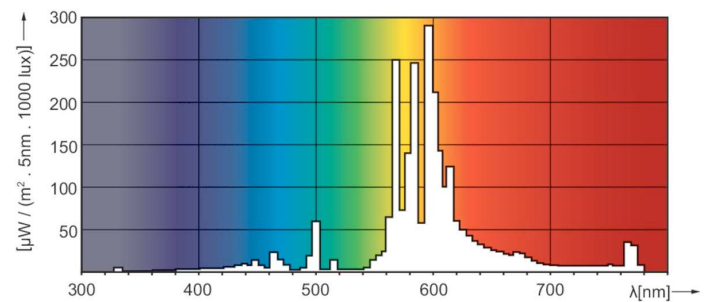
SON 250W E E40 CO 1SL/12

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

## Photometric data

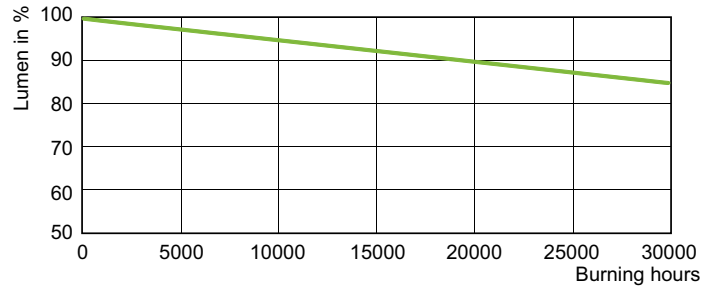
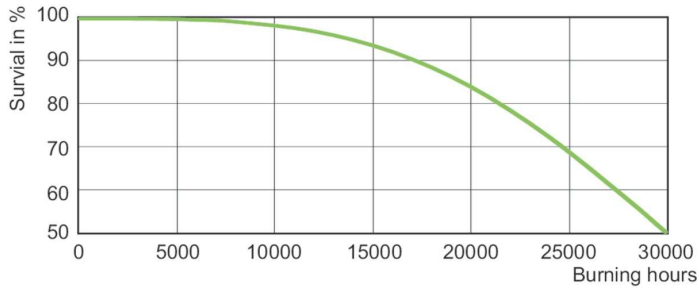


LDLD\_SON-Light distribution diagram



LDPO\_SON-Spectral power distribution Colour

Lifetime



LDLE\_SON\_0001-Life expectancy diagram

LDLM\_SON\_0001-Lumen maintenance diagram

