



# 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

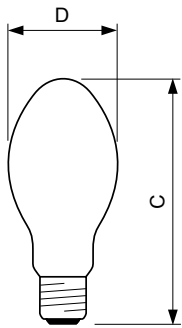
General information	
Cap-Base	E40 [ E40]
Operating Position	UNIVERSAL [ Any or Universal (U)]
Life to 5% Failures (Nom)	12000 h
Life to 20% Failures (Nom)	20000 h
Life to 50% Failures (Nom)	28000 h
System Description	External Ignitor
Light technical	
Color Code	220 [ CCT of 2000K]
Luminous Flux (Rated) (Min)	22500 lm
Luminous Flux (Rated) (Nom)	27000 lm
Lumen Maintenance 10000 h (Min)	90 %
Lumen Maintenance 10000 h (Nom)	95 %
Lumen Maintenance 2000 h (Min)	95 %
Lumen Maintenance 2000 h (Nom)	98 %
Lumen Maintenance 5000 h (Min)	92 %
Lumen Maintenance 5000 h (Nom)	96 %
Correlated Color Temperature (Nom)	2000 K
Luminous Efficacy (rated) (Nom)	106 lm/W

Color Rendering Index (Max)	25
Operating and electrical	
Power (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	
Bulb Finish	Coated glass

Bulb Shape	ED90 [ ED 90mm]
<b>Approval and application</b>	
Mercury (Hg) Content (Nom)	20.4 mg
Energy Consumption kWh/1000 h	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	928486900091
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928486900091
Net Weight (Piece)	0.063 kg

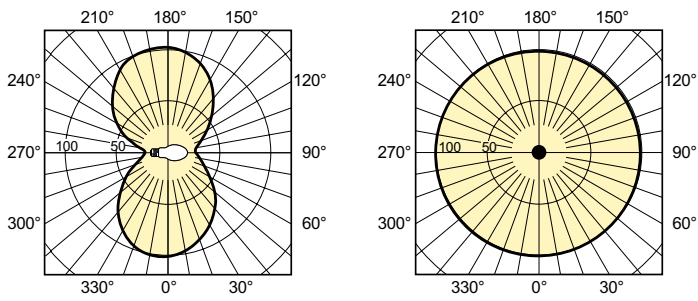
**Dimensional drawing**



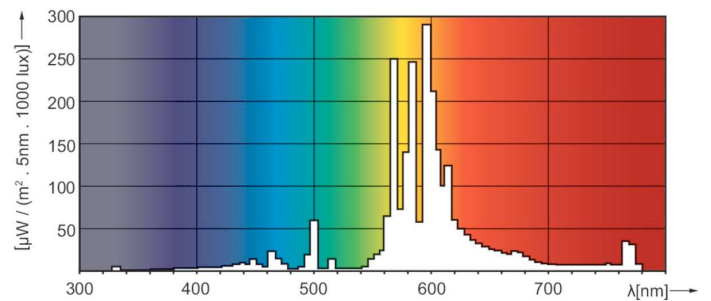
SON 250W E E40 CO 1SL/12

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

**Photometric data**

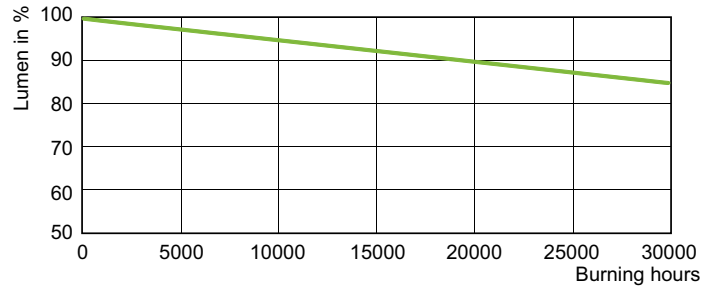
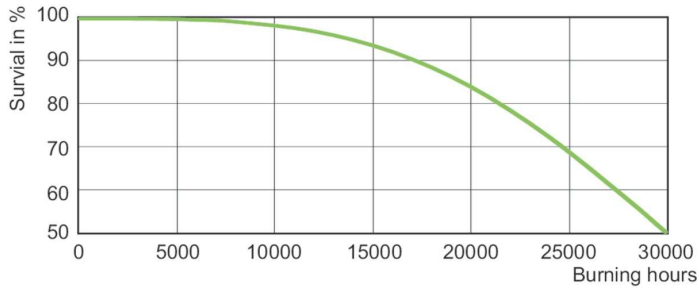


LDLD\_SON-Light distribution diagram



LDPO\_SON-Spectral power distribution Colour

Lifetime



LDLE\_SON\_0001-Life expectancy diagram

LDLM\_SON\_0001-Lumen maintenance diagram

