



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 |

| | |
|------------|-----------------|
| Bulb shape | ED90 [ED 90mm] |
|------------|-----------------|

Approval and Application

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

Luminaire Design Requirements

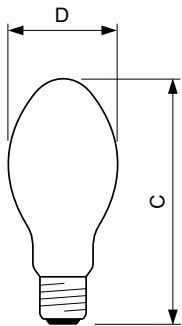
| | |
|-----------------------------|--------|
| Bulb temperature (max.) | 350 °C |
| Cap-base temperature (max.) | 250 °C |

Product Data

| | |
|-------------------|-----------------|
| Full product code | 871150021038815 |
|-------------------|-----------------|

| | |
|-----------------------------------|--------------------------|
| Order product name | SON 250W E E40 CO 1SL/12 |
| EAN/UPC – product | 8711500210388 |
| Order code | 928486900091 |
| Local order code | SON250WGES |
| SAP numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 12 |
| SAP material | 928486900091 |
| SAP net weight (piece) | 0.063 kg |

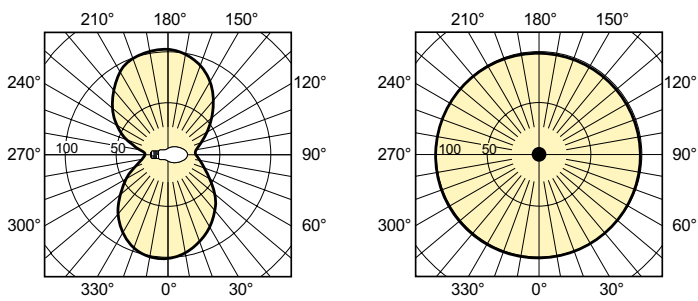
Dimensional drawing



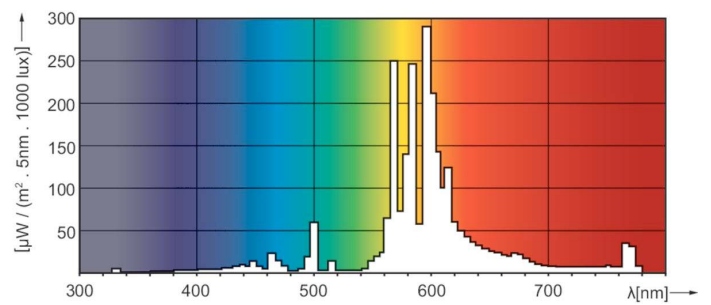
SON 250W E E40 CO

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

Photometric data

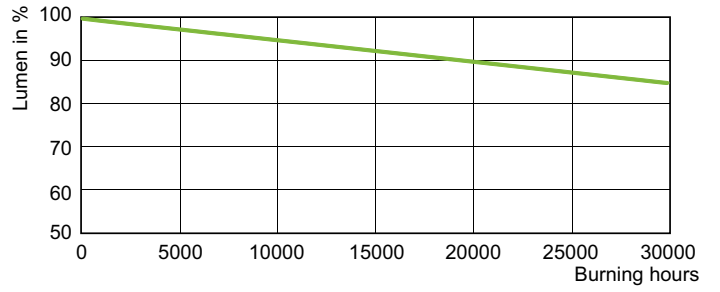
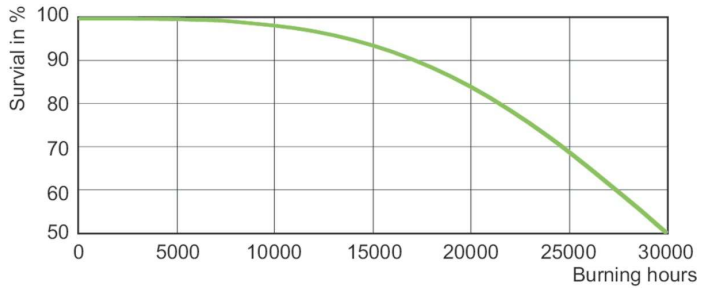


LDLD_SON-Light distribution diagram



LDPO_SON-Spectral power distribution Colour

Lifetime



LDLE_SON_0001-Life expectancy diagram

LDLM_SON_0001-Lumen maintenance diagram

