



SON

SON 250W E E40 CO 1SL/12

High Pressure Sodium lamp with opalized ovoid outer bulb

Product data

• General Information

Cap base	E40 [GES]
Bulb shape	ED90 [ED 90mm]
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

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

Colour Rendering Index,horiz (Nom) -

• 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

Bulb finish	Coated [Coated glass (CO)]
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• Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	20.4 mg

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Energy Consumption 275 kWh
kWh/1000 h

• **Luminaire Design Requirements**

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

• **Product Data**

Full product code 871150021038815

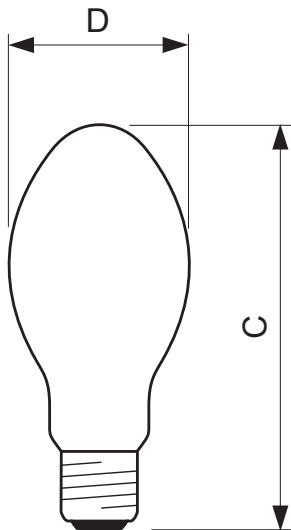
Order product name SON 250W E E40 CO 1SL/12
EAN/UPC – product 8711500210388
Order code 928486900091
Local Code SON250WGES
Numerator – quantity per pack 1
Numerator – packs per outer box 12
Material no. (12NC) 928486900091
Net weight (piece) 0.063 kg

Warnings and Safety

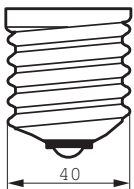
- Control gear must include end-of-life protection (IEC60662, IEC 62035)
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and

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.

Dimensional drawing



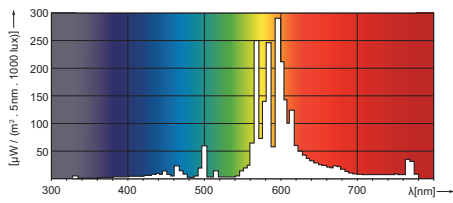
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Product	D	C
SON 250W E E40 CO 1SL/12	91 mm	226 mm

Photometric data



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data subject to change