PHILIPS

Lighting

SON

SON 250W E E40 CO 1SL/12

High Pressure Sodium lamp with opalized ovoid outer bulb

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
Color Rendering Index (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 glass

Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	20.4 mg
Energy Consumption kWh/1000 h	275 kWh

Luminaire Design Requirements	
Bulb Temperature (Max)	350 °C
Cap-Base Temperature (Max)	250 °C

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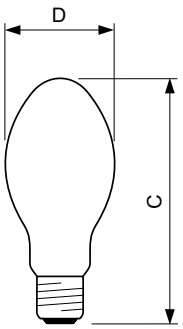
Product Data	
Full product code	871150021038815
Order product name	SON 250W E E40 CO 1SL/12
EAN/UPC - Product	8711500210388
Order code	928486900091
Numerator - Quantity Per Pack	1

Numerator - Packs per outer box	12
Material Nr. (12NC)	928486900091
Net Weight (Piece)	0.063 kg

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.

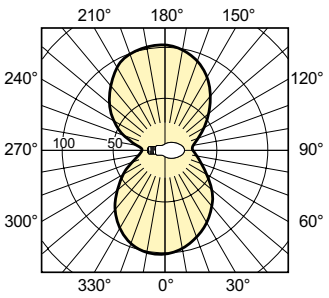
Dimensional drawing



SON 250W E E40 CO

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

Photometric data



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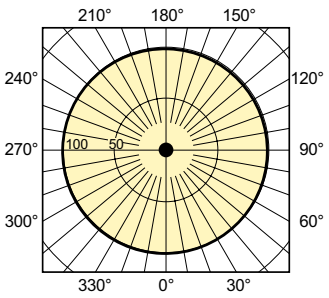

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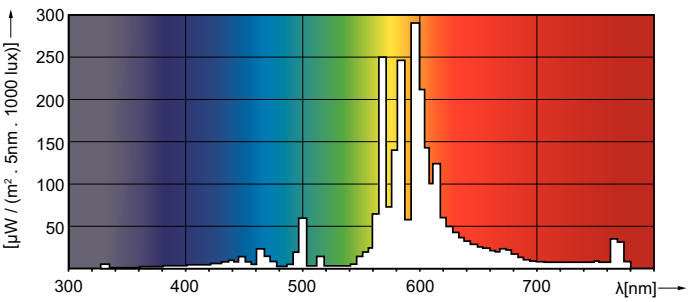

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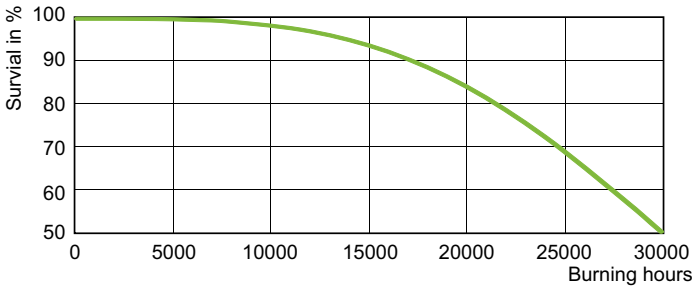
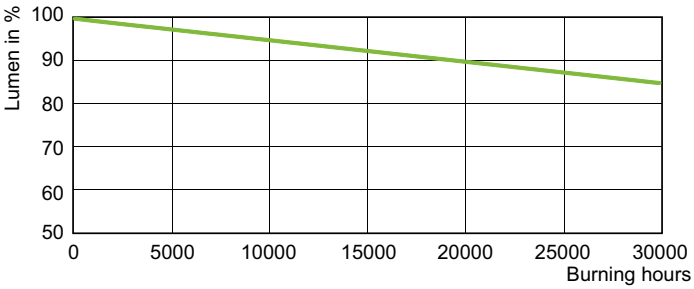
Lifetime



SON 100 W - 400 W Life Expectancy



SON 150 W - 400 W Lumen Maintenance

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