



# 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**

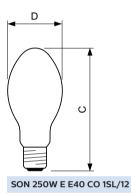
General information			
Cap-Base	E40 [ E40]		
Operating Position	UNIVERSAL [ Any or Universal (U)]		
Life to 5% Failures (Nom)	12000 h		
Life to 20% Failures (Nom)	20000 h		
Life to 50% Failures (Nom)	28000 h		
System Description	External Ignitor		
Light technical			
Color Code	220 [ CCT of 2000K]		
Luminous 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]	
Approval and application		
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 ℃	
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		

## Dimensional drawing

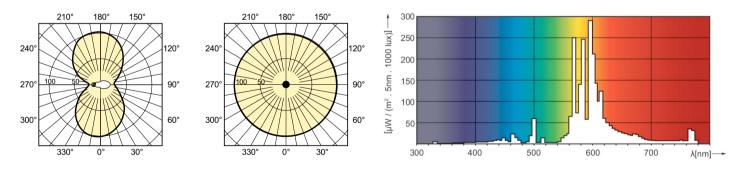


SON 250W E E40 CO 1SL/12	91 mm	226 mm	

D (max)

C (max)

## Photometric data



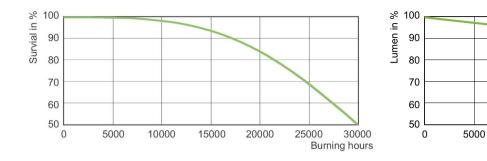
Product

LDLD\_SON-Light distribution diagram

LDPO\_SON-Spectral power distribution Colour

## SON

#### Lifetime



LDLE\_SON\_0001-Life expectancy diagram

LDLM\_SON\_0001-Lumen maintenance diagram

10000

15000

20000

25000

30000

Burning hours



© 2022 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2022, January 14 - data subject to change