



# SON

## SON 100W E E40 CO 1SL

High Pressure Sodium lamp with opalized ovoid outer bulb

### Product data

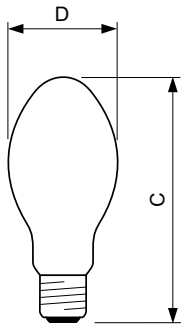
General Information	
Cap base	E40 [ E40]
Burning Position	UNIVERSAL [ Any/Universal]
Life to 10% failures (nom.)	12000 h
Life to 50% failures (nom.)	24000 h
System description	External Ignitor (E)
Light Technical	
Colour Code	220 [ CCT of 2,000 K]
Lamp Luminous Flux (Min)	7200 lm
Lamp Luminous Flux (Nom)	8000 lm
Lumen maintenance 2,000 hours (min.)	80 %
Lumen maintenance 2,000 hours (nom.)	90 %
Lumen maintenance 5,000 hours (min.)	75 %
Lumen maintenance 5,000 hours (nom.)	85 %
Colour Temperature, horizontal (Nom)	1900 K
Lamp Luminous Efficacy EM (Nom)	85 lm/W
Colour Rendering Index,horiz (Max)	25
Operating and Electrical	
Power (Rated) (Nom)	100.0 W
Lamp current (EM) (nom.)	1.2 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.)	20.2 mg
Energy Consumption kWh/1000 h	110 kWh
Luminaire Design Requirements	
Bulb temperature (max.)	350 °C
Cap base temperature (max.)	200 °C
Product Data	
Full product code	872790030018515
Order product name	SON 100W E E40 CO 1SL
EAN/UPC – product	8727900300185
Order code	30018515
Local Code	9284-900-00091

Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928490000091

Net weight (piece)	0.121 kg
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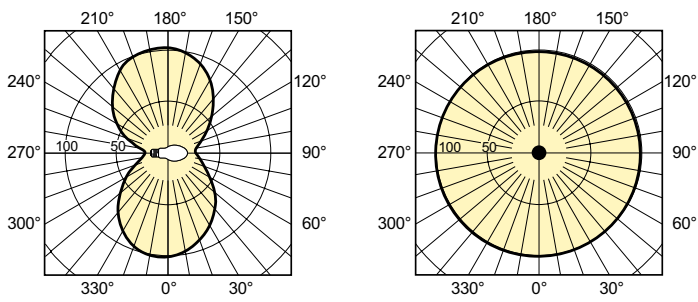
Dimensional drawing



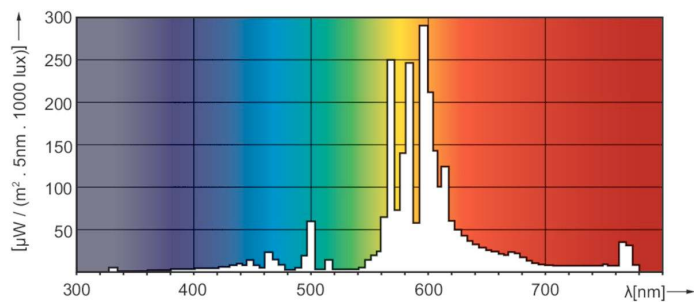
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Photometric data

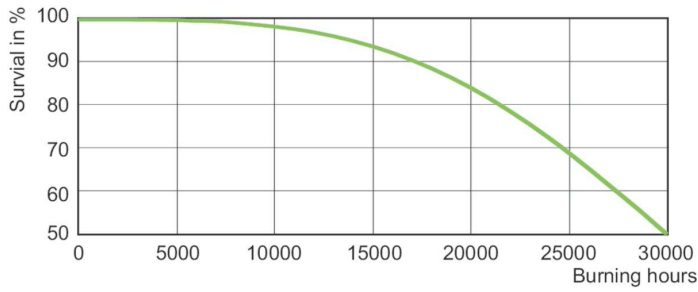


LDLD\_SON-Light distribution diagram

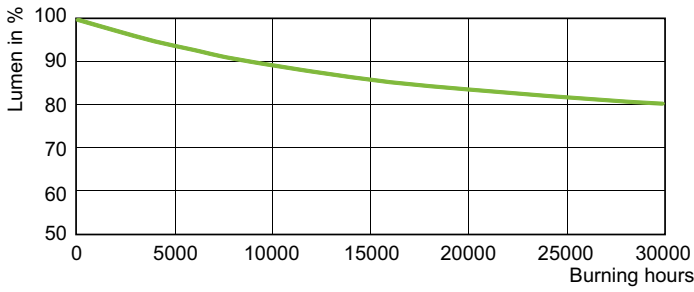


LDPO\_SON-Spectral power distribution Colour

Lifetime



LDLE\_SON\_0001-Life expectancy diagram



LDLM\_SON\_100W-Lumen maintenance diagram

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