



SON

SON 400W 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 (E)
Light Technical	
Colour Code	220 [CCT of 2,000 K]
Luminous flux (rated) (min.)	42000 lm
Luminous flux (rated) (nom.)	48000 lm
Lumen maintenance 10,000 hours (min.)	81 %
Lumen maintenance 10,000 hours (nom.)	88 %
Lumen maintenance 2,000 hours (min.)	94 %
Lumen maintenance 2,000 hours (nom.)	97 %
Lumen maintenance 5,000 hours (min.)	88 %
Lumen maintenance 5,000 hours (nom.)	94 %
Correlated Colour Temperature (Nom)	2000 K
Luminous efficacy (rated) (nom.)	122 lm/W

Color rendering index (max.)	25
Colour rendering index (nom.)	-
Operating and Electrical	
Power (Rated) (Nom)	400.0 W
Lamp current (EM) (nom.)	4.45 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)	120 V
Voltage (Min)	90 V
Voltage (Nom)	105 V
Controls and Dimming	
Dimmable	Yes
Run-up time 90% (max.)	5 min

Mechanical and Housing

Lamp Finish	Coated glass
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Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	24.5 mg
Energy consumption kWh/1,000 hours	440 kWh

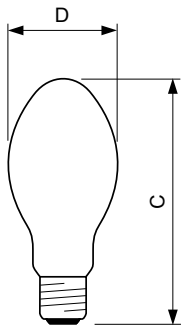
Luminaire Design Requirements

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

Product Data

Full product code	871150021032615
Order product name	SON 400W E E40 CO 1SL/12
EAN/UPC – product	8711500210326
Order code	21032615
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928487000091
SAP net weight (piece)	0.246 kg

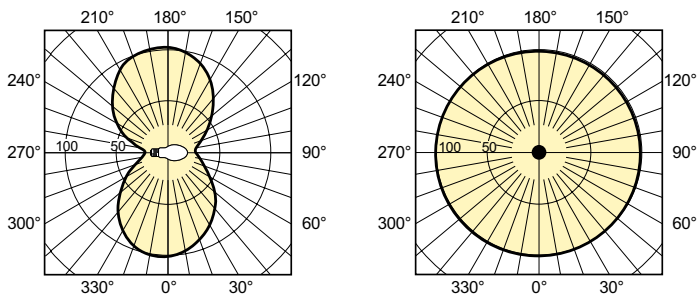
Dimensional drawing



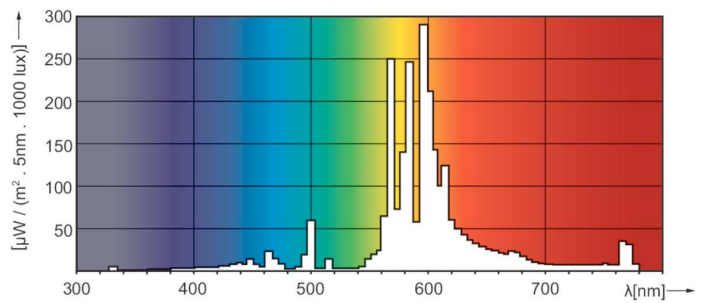
SON 400W E E40 CO

Product	D (max)	C (max)
SON 400W E E40 CO 1SL/12	122 mm	290 mm

Photometric data

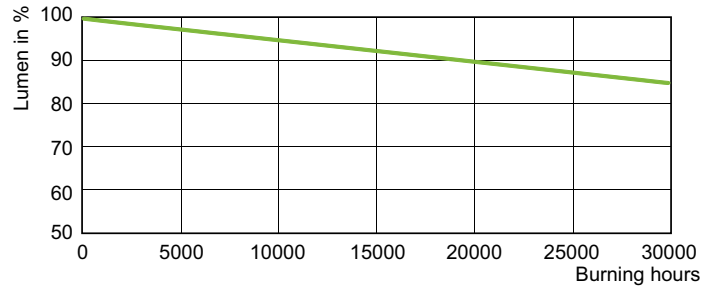
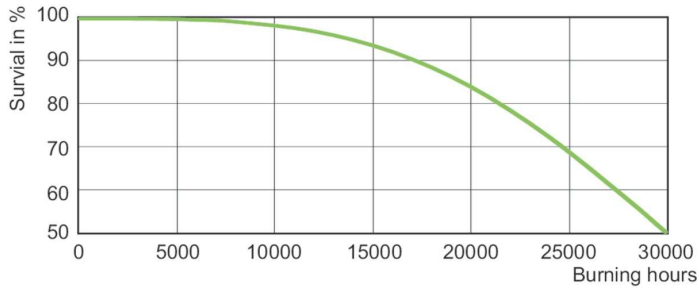


LDLD_SON-Light distribution diagram



LDPO_SON-Spectral power distribution Colour

Lifetime



LDLE_SON_0001-Life expectancy diagram

LDLM_SON_0001-Lumen maintenance diagram

