



SON

SON 400W E E40 CO 1SL/12

High Pressure Sodium lamp with opalized ovoid outer bulb

Product data

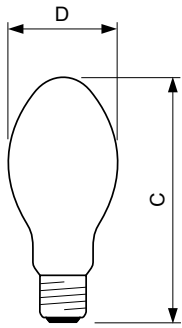
General Information	
Cap base	E40 [E40]
Burning Position	UNIVERSAL [Any/Universal]
Life to 5% failures (nom.)	12000 h
Life to 20% failures (nom.)	20000 h
Life to 50% failures (nom.)	28000 h
System description	External Ignitor (E)
Light Technical	
Colour Code	220 [CCT of 2,000 K]
Lamp Luminous Flux (Min)	42000 lm
Lamp Luminous Flux (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 %
Colour Temperature, horizontal (Nom)	2000 K
Lamp Luminous Efficacy EM (Nom)	122 lm/W
Colour Rendering Index,horiz (Max)	25
Colour Rendering Index,horiz (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	
Bulb finish	Coated glass
Approval and Application	
Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	24.5 mg
Energy Consumption kWh/1000 h	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	928487000091
Numerator – quantity per pack	1
Numerator – packs per outer box	12

Material no. (12NC)	928487000091
Net weight (piece)	0.246 kg

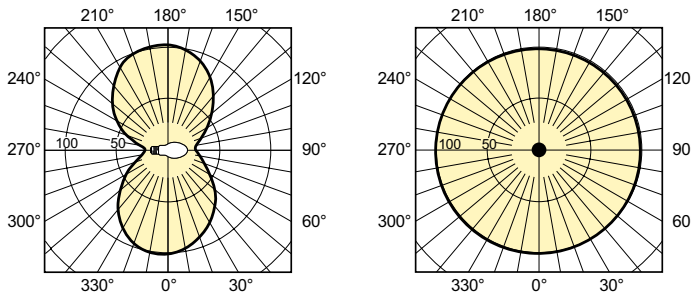
Dimensional drawing



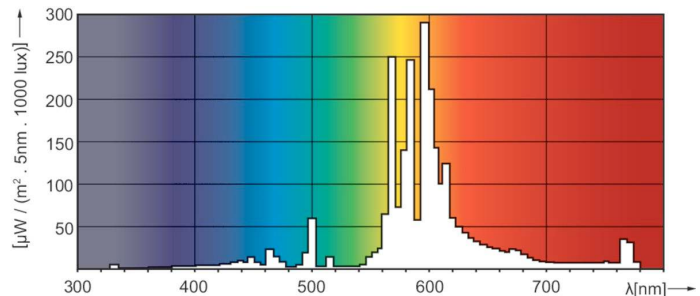
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Photometric data

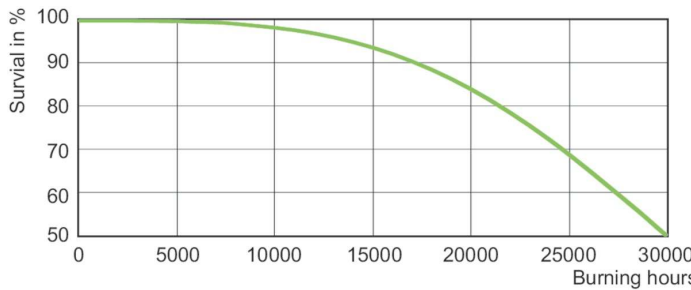


LDLD_SON-Light distribution diagram

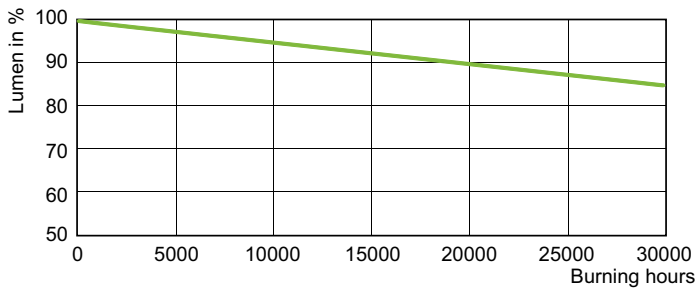


LDPO_SON-Spectral power distribution Colour

Lifetime



LDLE_SON_0001-Life expectancy diagram



LDLM_SON_0001-Lumen maintenance diagram

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