



SON-T Comfort

SON-T Comfort 250W/621 E40 1SL

High Pressure Sodium lamp with clear tubular outer bulb and a comfortable color impression

Product data

• General Characteristics

System Description	External Ignitor
Cap-Base	E40
Bulb	T46 [T 46mm]
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
Life to 5% failures	9000 hr
Life to 10% failures	12000 hr
Life to 20% failures	16000 hr
Life to 50% failures	24000 hr
LSF EM 20000h	65 %
Rated,12h cycle	
LSF EM 16000h	80 %
Rated,12h cycle	
LSF EM 12000h	90 %
Rated,12h cycle	
LSF EM 8000h Rated,	96 %
12h cycle	
LSF EM 6000h Rated,	98 %
12h cycle	
LSF EM 4000h Rated,	99 %
12h cycle	
LSF EM 2000h Rated,	50 %
12h cycle	

• Light Technical Characteristics

Color Code	621
Color Rendering Index	65 (nom), 70 (max) Ra8
Color Temperature	2150 K
Color Temperature Technical	2050 (min), 2150 (nom), 2250 (max) K
Chromaticity Coordinate X	514 -
Chromaticity Coordinate Y	420 -

Luminance Average EM	400 cd/cm ²
Lum Efficacy Rated EM 25°C	93 Lm/W
LLMF EM 20000h Rated	90 %
LLMF EM 16000h Rated	91 %
LLMF EM 12000h Rated	92 %
LLMF EM 8000h Rated	93 %
LLMF EM 6000h Rated	94 %
LLMF EM 4000h Rated	95 %
LLMF EM 2000h Rated	96 %
Luminous Flux EM 25°C, Rated	23000 Lm

• Electrical Characteristics

Lamp Wattage	250 W
Lamp Voltage	100 V
Lamp Current EM	3.05 A
Ignition Time	5 (max) s
Run-up time 90%	15 (max) min
Dimmable	No
Re-ignition Time [sec]	120 (max) s
Lamp Wattage EM 25°C, Rated	248 W
Lamp Wattage EM 25°C, Nominal	250 W

PHILIPS

sense and simplicity

SON-T Comfort

• Environmental Characteristics

Mercury (Hg) Content 38 mg

• Luminaire Design Requirements

Cap-Base Temperature 250 (max) C
Bulb Temperature 450 (max) C

• Product Dimensions

Overall Length C 257 (max) mm
Diameter D 47 (max) mm
Light Center Length L 158 mm
Arc Length O 53 mm

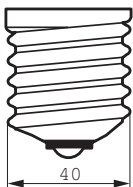
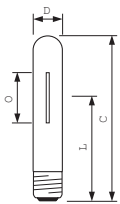
• Product Data

Order code 928156009230
Full product code 928156009230
Full product name SON-T Comfort 250W/621 E40 1SL
Order product name SON-T Comfort 250W/621 E40 1SL/12
Pieces per pack 1
Packing configuration 12
Packs per outerbox 12
Bar code on pack - EAN1 8711500179852
Bar code on outerbox - EAN3 8711500183187
Logistic code(s) - 12NC 928156009230
ILCOS code STM-250-H/E-E40
Net weight per piece 0.166 kg

Warnings and Safety

- Control gear must include end-of-life protection (IEC60662, IEC 62035)

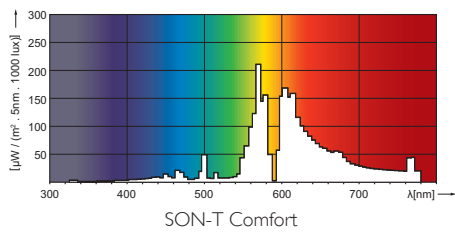
Dimensional drawing



SON-T Comfort, E40

Product	C (Max)	D (Max)	L (Norm)	O (Norm)
SON-T Comfort 250W/621 E40	257	47	158	53

Photometric data



Lamps being part of this product family comply with Commission Regulation (EC) No 245/2009 – Ecodesign requirements, applicable from 13 April 2010.

1.3 Product information requirements on lamps

- a) Nominal and rated lamp wattage;
- b) Nominal and rated lamp luminous flux;
- c) Rated lamp efficacy at 100 h in standard conditions.
- d) Rated lamp Lumen Maintenance Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
- e) Rated lamp Survival Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
- f) Lamp mercury content as XX mg;
- g) Colour Rendering Index (Ra) of the lamp;
- h) Colour temperature of the lamp;
- i) Ambient temperature inside the luminaire at which the lamp was designed to maximise its luminous flux. If this temperature is equal to or lower than 0 °C or equal to or higher than 50 °C it shall be stated that the lamp is not suitable for indoor use at standard room temperatures;

For more information see <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:076:0017:0044:EN:PDF>



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www.philips.com/lighting

2011, November 16
data subject to change