SON-T

SON-T 400W E E40 SL/12

High Pressure Sodium lamp with clear tubular 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)	43200 lm
Luminous Flux (Rated) (Nom)	48000 lm
Lumen Maintenance 2000 h (Min)	94 %
Lumen Maintenance 2000 h (Nom)	97 %
Lumen Maintenance 5000 h (Min)	88 %
Lumen Maintenance 5000 h (Nom)	94 %
Correlated Color Temperature (Nom)	2000 K
Luminous Efficacy (rated) (Nom)	123 lm/W
Color Rendering Index (Max)	25

Color Rendering Index (Nom)	-

Operating and electrical

Power (Nom)	392.0 W
Lamp Current (EM) (Nom)	4.6 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	Clear
Cap-Base Information	-

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Bulb Shape	T46 [T 46mm]

Approval and application

Mercury (Hg) Content (Nom)	24.5 mg
Energy Consumption kWh/1000 h	431 kWh

Luminaire design requirements

Bulb Temperature (Max)	450 °C
Cap-Base Temperature (Max)	250 °C

Product data

Full product code	871829121292800

Order product name	SON-T 400W E E40 SL/12
EAN/UPC – Product	8718291212928
Order code	928487300098
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	12
Material Nr. (12NC)	928487300098
Net Weight (Piece)	0.181 kg

Dimensional drawing
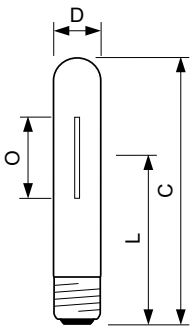
SON-T 400W E E40 SL/12

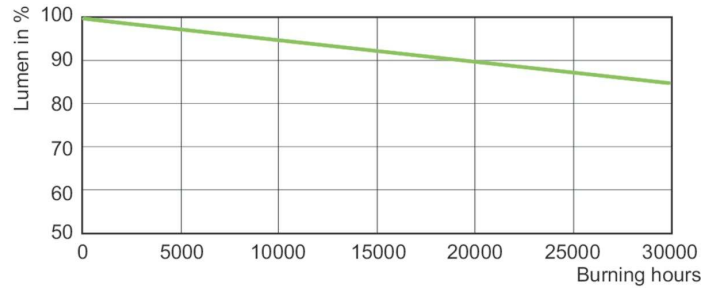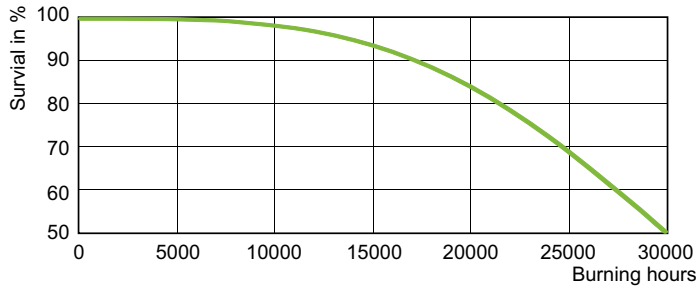| Product	D (max)	O	L	C (max)
SON-T 400W E E40 SL/12	47 mm	82 mm	175 mm	286 mm

Photometric data
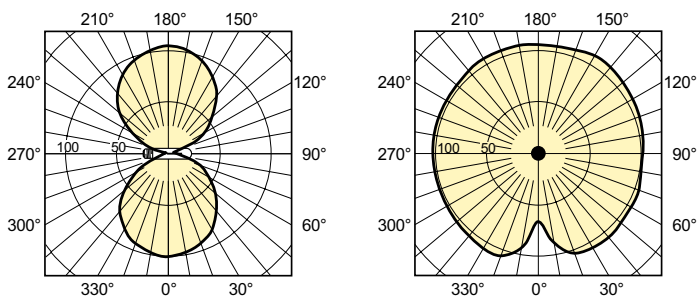
LDLD_SON-T-Light distribution diagram
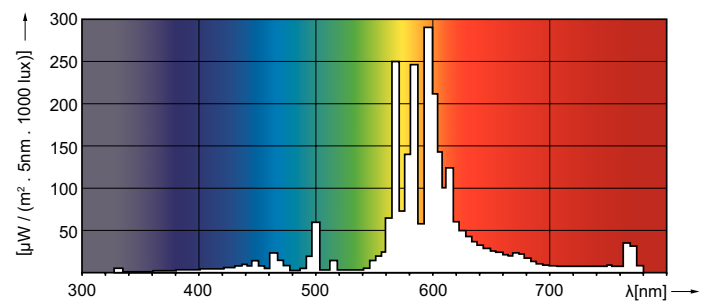
LDPO_SON-T-Spectral power distribution Colour

Lifetime

LDLE_SON-T_0001-Life expectancy diagram

LDLM_SON-T_0001-Lumen maintenance diagram

www.lighting.philips.com

2022, January 14 – data subject to change