



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			

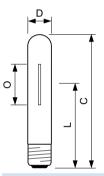
Color Rendering Index (Nom)	-
Operating and Electrical	
Power (Nom)	392.0 W
Lamp Current (EM) (Nom)	46 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	2800 V
Re-Ignition Time (Min) (Max)	120 s
Ignition Time (Max)	5 s
Voltage (Max)	115 V
Voltage (Min)	85 V
Voltage (Nom)	100 V
Controls and Dimming	
Dimmable	Yes
Run-Up Time 90% (Max)	5 min
Mechanical and Housing	
Bulb Finish	Clear
Cap-Base Information	-

SON-T

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



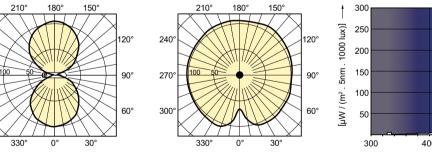
SON-T 400W E	E40
--------------	-----

Photometric data

240°

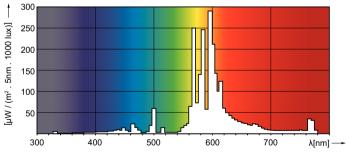
270°

300°



LDLD_SON-T-Light distribution diagram

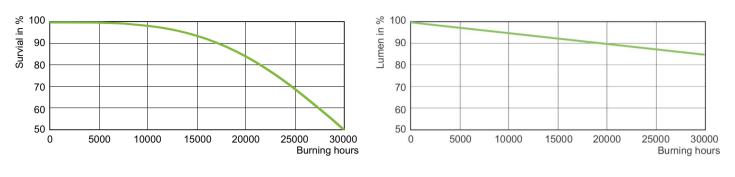
Product	D (max)	0	L	C (max)
SON-T 400W E E40 SL/12	47 mm	82 mm	175 mm	286 mm



LDPO_SON-T-Spectral power distribution Colour

SON-T

Lifetime



LDLE_SON-T_0001-Life expectancy diagram

LDLM_SON-T_0001-Lumen maintenance diagram



© 2021 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2021, August 14 - data subject to change