PHILIPS

Lighting



SON-T

SON-T 70W/220 E27 1CT/12

High Pressure Sodium lamp with clear tubular outer bulb

Product data

General Information	
Cap-Base	E27 [E27]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life to 5% Failures (Nom)	12000 h
Life to 10% Failures (Nom)	15000 h
Life to 20% Failures (Nom)	19000 h
Life to 50% Failures (Nom)	28000 h
System Description	External Ignitor
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %
LSF 12000 h Rated	97 %
LSF 16000 h Rated	92 %
LSF 20000 h Rated	84 %

Light Technical	
Color Code	220 [CCT of 2000K]
Luminous Flux (Rated) (Nom)	6000 lm
Chromaticity Coordinate X (Nom)	540
Chromaticity Coordinate Y (Nom)	413
Correlated Color Temperature (Nom)	2000 K
Luminous Efficacy (Rated) (Nom)	84 lm/W
Color Rendering Index (Max)	25
Color Rendering Index (Nom)	-
LLMF 2000 h Rated	89 %
LLMF 4000 h Rated	86 %
LLMF 6000 h Rated	85 %
LLMF 8000 h Rated	84 %
LLMF 12000 h Rated	81 %
LLMF 16000 h Rated	81 %
LLMF 20000 h Rated	80 %
Ratio Scotopic/Photopic Lumens	0.50

Operating and Electrical	
Power (Rated) (Nom)	70.0 W
Lamp Current (EM) (Nom)	0.98 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	1800 V
Re-Ignition Time (Min) (Max)	180 s
Ignition Time (Max)	5 s
Voltage (Max)	105 V
Voltage (Min)	75 V
Voltage (Nom)	90 V

Controls and Dimming	
Dimmable	Yes
Run-Up Time 90% (Max)	5 min

Mechanical and Housing	
Bulb Finish	Clear

SON-T

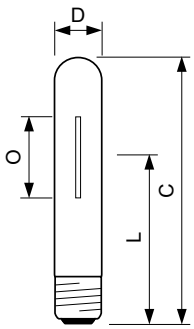
Cap-Base Information	-
Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	16 mg
Energy Consumption kWh/1000 h	77 kWh
Luminaire Design Requirements	
Bulb Temperature (Max)	350 °C
Cap-Base Temperature (Max)	200 °C
Product Data	
Full product code	871150019267715

Order product name	SON-T 70W/220 E27 1CT/12
EAN/UPC - Product	8711500192677
Order code	928152800035
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928152800035
Net Weight (Piece)	0.050 kg
ILCOS Code	ST-70-H/E-E27

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.

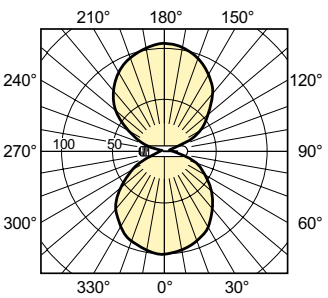
Dimensional drawing



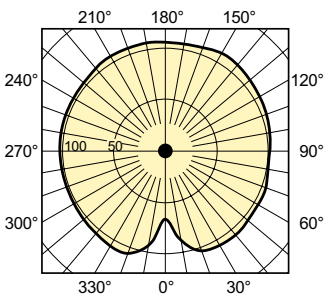
SON-T 70W/220 E27

Product	D (max)	O	L	C (max)
SON-T 70W/220 E27 1CT/12	36 mm	42 mm	102 mm	156 mm

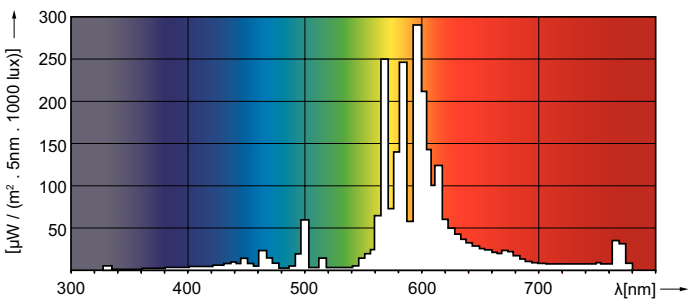
Photometric data



SON-T



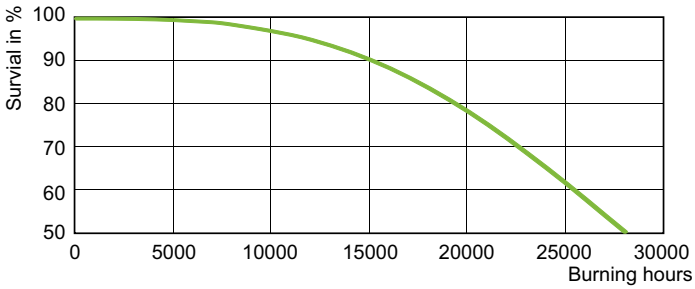
SON-T



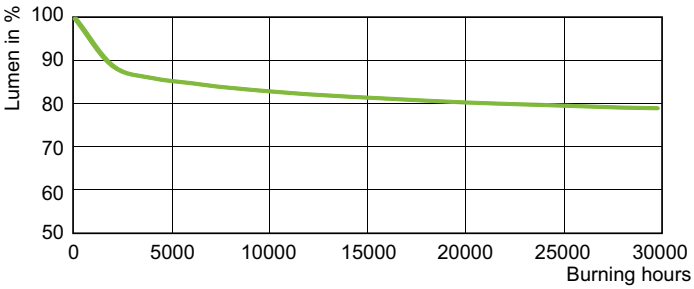
SON-T

SON-T

Lifetime



SON-T 70 W Life Expectancy



SON-T 70 W Lumen Maintenance

© 2018 Philips Lighting Holding B.V. All rights reserved. Philips Lighting reserves the right to make changes in specifications and/or to discontinue any product at any timewithout notice or obligation and will not be liable for any consequences resulting from the use of this publication.