



SON

SON 70W/220 E27 1SL

High Pressure Sodium lamp with opalized ovoid outer bulb

Product data

• General Characteristics

System Description	External Ignitor
Cap-Base	E27
Bulb	BD70 [BD 70mm]
Bulb Finish	Coated
Operating Position	any [Any or Universal (U)]
Life to 5% failures	12000 hr
Life to 10% failures	15000 hr
Life to 20% failures	19000 hr
Life to 50% failures	28000 hr
LSF EM 2000h Rated, 12h cycle	99 %
LSF EM 4000h Rated, 12h cycle	99 %
LSF EM 6000h Rated, 12h cycle	99 %
LSF EM 8000h Rated, 12h cycle	98 %
LSF EM 12000h Rated, 12h cycle	95 %
LSF EM 16000h Rated, 12h cycle	88 %
LSF EM 20000h Rated, 12h cycle	78 %

• Light Technical Characteristics

Color Code	220 [CCT of 2000K]
Color Rendering Index	25 (max) Ra8
Color Temperature	1900 K
Luminous Flux Lamp EM	5810 Lm
Luminous Flux EM 25°C, Rated	5810 Lm
Luminous Efficacy Lamp EM	83 Lm/W

Lum Efficacy Rated EM 25°C	83 Lm/W
Lumen Maintenance 2000h	89 %
Lumen Maintenance 5000h	85 %
Lumen Maintenance 10000h	83 %
Lumen Maintenance 20000h	80 %
Luminance Average EM	6.6 cd/cm2
LLMF EM 2000h Rated	89 %
LLMF EM 4000h Rated	86 %
LLMF EM 6000h Rated	85 %
LLMF EM 8000h Rated	84 %
LLMF EM 12000h Rated	81 %
LLMF EM 16000h Rated	81 %
LLMF EM 20000h Rated	80 %

• Electrical Characteristics

Lamp Wattage	70 W
Lamp Wattage EM 25°C, Nominal	70.0 W
Lamp Wattage EM 25°C, Rated	70.0 W
Lamp Voltage	90 V
Lamp Current EM	0.98 A
Ignition Time	5 (max) s

PHILIPS

Run-up time 90%	5 (max) min
Dimmable	Yes
Re-ignition Time [sec]	180 (max) s
Ratio scotopic/photopic lumens	0.50 -

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	16 mg
Energy consumption kWh/1000h	77 kWh

• Luminaire Design Requirements

Cap-Base Temperature	200 (max) C
Bulb Temperature	350 (max) C

• Product Dimensions

Overall Length C	156 (max) mm
Diameter D	71 (max) mm

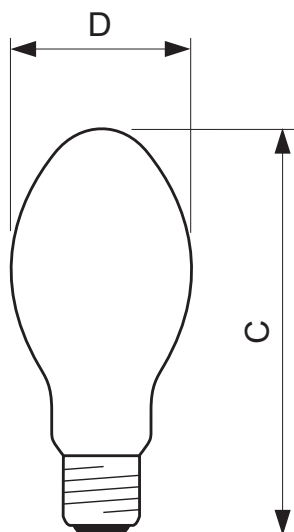
• Product Data

Order code	928151808899
Full product code	928151808899
Full product name	SON 70W/220 E27 1SL
Order product name	SON 70W/220 E27 1SL
Pieces per pack	1
Packing configuration	25
Packs per outerbox	25
Bar code on pack - EAN1	8727900075953
Bar code on outerbox - EAN3	8727900077902
Logistic code(s) - 12NC	928151808899
ILCOS code	SE-70-H/E-E27
Net weight per piece	0.054 kg

Warnings and Safety

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

Dimensional drawing

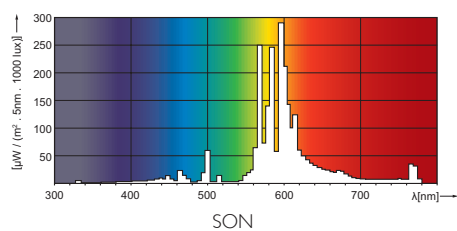


E27

SON 70W/220 E27 1SL

Product	C (Max)	D (Max)
SON 70W/220 E27	156	71

Photometric data



© 2014 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2014, February 7
data subject to change