



MASTER SON PIA Plus

MASTER SON PIA Plus 400W/220 E40 1SL

High Pressure Sodium lamp with opalized ovoid outer bulb, high output and long reliable lifetime

Product data

• General Characteristics

System Description	External Ignitor
Cap-Base	E40
Bulb	BD120 [BD 120mm]
Bulb Finish	Coated
Operating Position	any [Any or Universal (U)]
Life to 5% failures	17000 hr
Life to 10% failures	21000 hr
Life to 20% failures	26000 hr
Life to 50% failures	36000 hr
LSF EM 20000h	91 %
Rated,12h cycle	
LSF EM 16000h	96 %
Rated,12h cycle	
LSF EM 12000h	98 %
Rated,12h cycle	
LSF EM 8000h Rated,	99 %
12h cycle	
LSF EM 6000h Rated,	99 %
12h cycle	
LSF EM 4000h Rated,	99 %
12h cycle	
LSF EM 2000h Rated,	100 %
12h cycle	

• Light Technical Characteristics

Color Code	220 [CCT of 2000K]
Color Rendering Index	25 (max) Ra8
Color Temperature	2000 K
Color Temperature Technical	1900 K
Chromaticity Coordinate X	525 -
Chromaticity Coordinate Y	425 -

Luminance Average EM	27 cd/cm2
Lum Efficacy Rated EM 25°C	136.5 Lm/W
LLMF EM 20000h Rated	94 %
LLMF EM 16000h Rated	95 %
LLMF EM 12000h Rated	96 %
LLMF EM 8000h Rated	96 %
LLMF EM 6000h Rated	97 %
LLMF EM 4000h Rated	98 %
LLMF EM 2000h Rated	99 %
Luminous Flux EM 25°C, Rated	55400 Lm

• Electrical Characteristics

Lamp Wattage	400 W
Lamp Voltage	105 V
Lamp Current EM	4.5 A
Ignition Time	10 (max) s
Run-up time 90%	5 (max) min
Dimmable	Yes
Re-ignition Time [sec]	120 (max) s
Lamp Wattage EM 25°C, Rated	405 W
Lamp Wattage EM 25°C, Nominal	400 W

PHILIPS

sense and simplicity

MASTER SON PIA Plus

• Environmental Characteristics

Mercury (Hg) Content 20 mg

• Luminaire Design Requirements

Cap-Base Temperature 250 (max) C
Bulb Temperature 350 (max) C

• Product Dimensions

Overall Length C 290 (max) mm
Diameter D 122 (max) mm

• Product Data

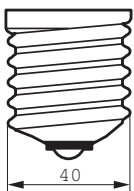
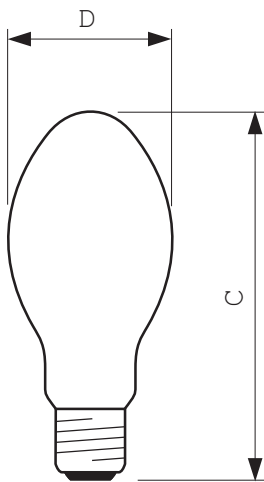
Order code 928153409830

Full product code 928153409830
Full product name MASTER SON PIA Plus 400W/220 E40 1SL
Order product name MASTER SON PIA Plus 400W/220 E40 1SL/12
Pieces per pack 1
Packing configuration 12
Packs per outerbox 12
Bar code on pack - EAN1 8711500193452
Bar code on outerbox - EAN3 8711500195937
Logistic code(s) - 12NC 928153409830
ILCOS code SE-400-H/S-E40
Net weight per piece 0.228 kg

Warnings and Safety

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

Dimensional drawing

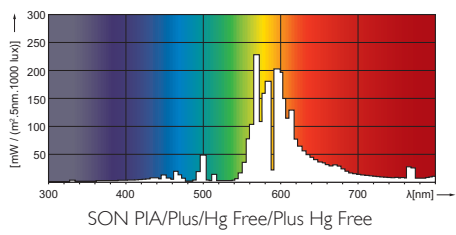


E40

MASTER SON PIA

Product	C (Max)	D (Max)
SON PIA Plus 400W/220 E40	290	121.5

Photometric data



© 2011 Koninklijke Philips Electronics N.V.
All rights reserved.

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

www.philips.com/lighting

2011, December 21
data subject to change