



MASTER SON-T PIA Plus

MASTER SON-T PIA Plus 400W/220 E40 1SL

High Pressure Sodium lamp with clear tubular outer bulb, high output and long reliable lifetime

Product data

• General Characteristics

System Description	External Ignitor
Cap-Base	E40
Cap-Base Information	-
Bulb	T46 [T 46mm]
Bulb Finish	Clear
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

• Electrical Characteristics

Lamp Wattage	400 W
Lamp Wattage EM	400.0 W
Voltage	230 V
Lamp Voltage	100 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

• Environmental Characteristics

Mercury (Hg) Content	20 mg
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• Light Technical Characteristics

Color Code	220 [CCT of 2000K]
Color Rendering Index	25 (max) Ra8
Color Temperature	2000 K

Color Temperature Technical	1950 K
Chromaticity Coordinate X	525 -
Chromaticity Coordinate Y	425 -
Luminous Efficacy Lamp EM	138 Lm/W
Lumen Maintenance 2000h	99 %
Lumen Maintenance 5000h	97.5 %
Luminance Average EM	680 cd/cm ²
Lumen Maintenance 20000h	95 %
Luminous Flux EM 25°C, Rated	56400 Lm

• Product Dimensions

Overall Length C	283 (max) mm
Diameter D	48 (max) mm
Light Center Length L	175 mm
Arc Length O	83 mm

• Luminaire Design Requirements

Cap-Base Temperature	250 (max) C
Bulb Temperature	450 (max) C

• Product Data

Order code	928144809296
Full product code	928144809296

PHILIPS
sense and simplicity

MASTER SON-T PIA Plus

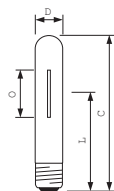
Full product name MASTER SON-T PIA Plus 400W/220
E40 1SL
Pieces per pack 1
Packing configuration 12
Packs per outerbox 12
Bar code on pack -
EAN1 8711500179883

Bar code on
outerbox - EAN3 8711500182951
Logistic code(s) -
12NC 928144809296
ILCOS code ST-400-H/E-E40
Net weight per piece 0.188 kg

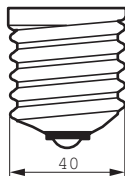
Warnings and Safety

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

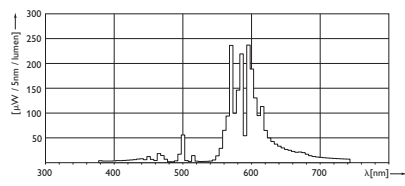
Dimensional drawing



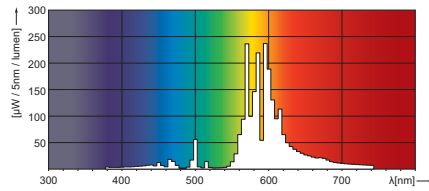
Product	C (Max)	D (Max)	L (Norm)	O (Norm)
SON-T Plus 400W/220 E40	283	48	175	83



Photometric data



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