



# MASTER SON-T PIA Plus

MASTER SON-T PIA Plus 600W/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	12000 hr
Life to 10% failures	15000 hr
Life to 20% failures	20000 hr
Life to 50% failures	30000 hr

### • Light Technical Characteristics

Color Code	220 [CCT of 2000K]
Color Rendering Index	25 (max) Ra8
Color Temperature	2000 K
Luminous Flux EM 25°C, Rated	90000 Lm
Luminous Efficacy Lamp EM	148 Lm/W
Lumen Maintenance 2000h	96 %
Lumen Maintenance 5000h	90 %
Lumen Maintenance 20000h	77 %
Chromaticity Coordinate X	526 -
Chromaticity Coordinate Y	424 -

### • Electrical Characteristics

Lamp Wattage	600 W
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Lamp Wattage EM 25°C, Nominal	600.0 W
Lamp Wattage EM 25°C, Rated	605.0 W
Voltage	230 V
Lamp Voltage	115 V
Lamp Current EM	5.8 A
Ignition Time	10 (max) s
Run-up time 90%	5 (max) min
Dimmable	No
Re-ignition Time [sec]	60 (max) s
Ratio scotopic/photopic lumens	0.60 -

### • Environmental Characteristics

Energy Efficiency Label (EEL)	A++
Mercury (Hg) Content	24 mg
Energy consumption kWh/1000h	665 kWh

### • Luminaire Design Requirements

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

### • Product Dimensions

Overall Length C	283 (max) mm
Diameter D	47 (max) mm
Light Center Length L	174.2 mm
Arc Length O	126 mm

**PHILIPS**

# MASTER SON-T PIA Plus

## Product Data

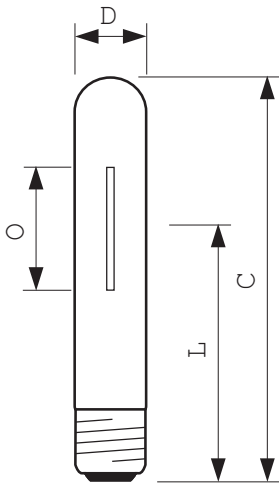
Order code	928158409227
Full product code	928158409227
Full product name	MASTER SON-T PIA Plus 600W/220 E40 1SL
Order product name	MST SON-T PIA Plus 600W/220 E40 1SL/12
Pieces per pack	1

Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500197429
Bar code on outerbox - EAN3	8711500197436
Logistic code(s) - 12NC	928158409227
ILCOS code	ST-600-H/S-E40
Net weight per piece	0.177 kg

## Warnings and Safety

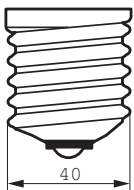
- Control gear must include end-of-life protection (IEC60662, IEC 62035)

## Dimensional drawing



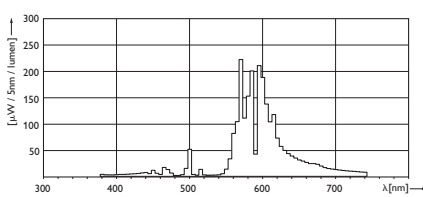
### MASTER SON-T PIA Plus 600W/220 E40 1SL

Product	C (Max)	D (Max)	L (Norm)	O (Norm)
SON-T Plus 600W/220 E40	283	47	174.2	126

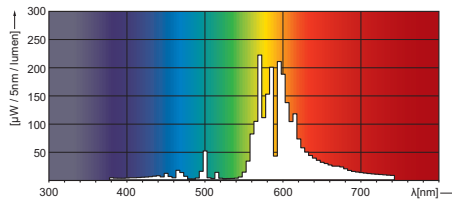


E40

## Photometric data



MASTER SON-T PIA Plus 600W



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2014, April 10  
data subject to change