



# MASTER SON-T PIA Plus

MASTER SON-T PIA Plus 100W/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
LSF EM 2000h Rated, 12h cycle	100 %
LSF EM 4000h Rated, 12h cycle	99 %
LSF EM 6000h Rated, 12h cycle	99 %
LSF EM 8000h Rated, 12h cycle	99 %
LSF EM 12000h Rated, 12h cycle	98 %
LSF EM 16000h Rated, 12h cycle	96 %
LSF EM 20000h Rated, 12h cycle	91 %

### • 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	10700 Lm
Lum Efficacy Rated EM 25°C	106 Lm/W

Luminance Average EM	400 cd/cm <sup>2</sup>
LLMF EM 2000h Rated	98 %
LLMF EM 4000h Rated	96 %
LLMF EM 6000h Rated	95 %
LLMF EM 8000h Rated	94 %
LLMF EM 12000h Rated	92 %
LLMF EM 16000h Rated	90 %
LLMF EM 20000h Rated	89 %
Chromaticity Coordinate X	535 -
Chromaticity Coordinate Y	420 -

### • Electrical Characteristics

Lamp Wattage	100 W
Lamp Wattage EM 25°C, Nominal	100.0 W
Lamp Wattage EM 25°C, Rated	100.0 W
Voltage	230 V
Lamp Voltage	100 V
Lamp Current EM	1.2 A
Ignition Time	5 (max) s
Run-up time 90%	4 (max) min
Dimmable	Yes
Re-ignition Time [sec]	120 (max) s

**PHILIPS**

# MASTER SON-T PIA Plus

Ratio scotopic/  
photopic lumens 0.55 -

Arc Length  $\varnothing$  47 mm

## • Environmental Characteristics

Energy Efficiency Label (EEL) A+  
Mercury (Hg) Content 16 mg  
Energy consumption kWh/1000h 110 kWh

## • Luminaire Design Requirements

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

## • Product Dimensions

Overall Length C 210 (max) mm  
Diameter D 48 (max) mm  
Light Center Length L 132 mm

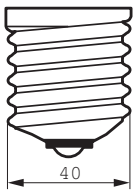
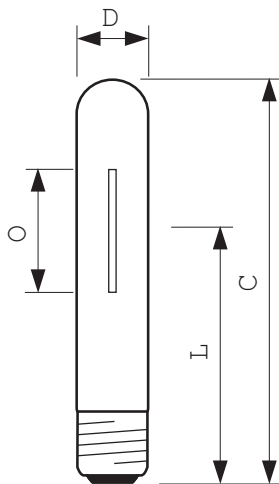
## • Product Data

Order code 928151709230  
Full product code 928151709230  
Full product name MASTER SON-T PIA Plus 100W/220 E40 1SL  
Order product name MST SON-T PIA Plus 100W/220 E40 1SL/12  
Pieces per pack 1  
Packing configuration 12  
Packs per outerbox 12  
Bar code on pack - EAN1 8711500192301  
Bar code on outerbox - EAN3 8711500192745  
Logistic code(s) - 12NC 928151709230  
ILCOS code ST-100-H/S-E40  
Net weight per piece 0.128 kg

## Warnings and Safety

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

## Dimensional drawing

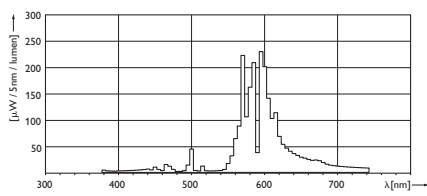


E40

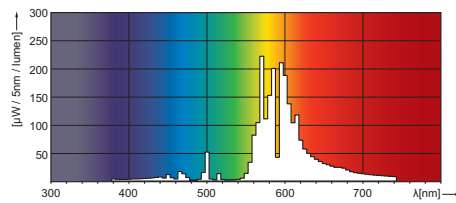
## MASTER SON-T PIA Plus 100W/220 E40 1SL

Product	C (Max)	D (Max)	L (Norm)	$\varnothing$ (Norm)
SON-T Plus 100W/220 E40	210	48	132	47

## Photometric data



MASTER SON-T PIA Plus 100W, 150W & 250W



MASTER SON-T PIA Plus 100W, 150W, 250W



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data subject to change