



# MASTER SON-T PIA Plus

MASTER SON-T PIA Plus 50W/220 E27 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	ES [ES]
Cap-Base Information	-
Bulb	T35 [T 35mm]
Bulb Finish	Clear
Burning Position	any [Any/Universal]
Life to 5% failures	14000 hr
Life to 10% failures	17000 hr
Life to 20% failures	22000 hr
Life to 50% failures	30000 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	99 %
LSF EM 12000h Rated, 12h cycle	96 %
LSF EM 16000h Rated, 12h cycle	92 %
LSF EM 20000h Rated, 12h cycle	83 %

### • Light Technical Characteristics

Colour Code	220 [CCT of 2000K]
Colour Rendering Index	25 (max) Ra8
Colour Temperature	2000 K
Colour Temperature Technical	1900 K
Luminous Flux EM 25°C, Rated	4400 Lm

Lum Efficacy Rated EM 25°C	81 Lm/W
Average Luminance EM	310 cd/cm <sup>2</sup>
LLMF EM 2000h Rated	92 %
LLMF EM 4000h Rated	90 %
LLMF EM 6000h Rated	89 %
LLMF EM 8000h Rated	88 %
LLMF EM 12000h Rated	87 %
LLMF EM 16000h Rated	86 %
LLMF EM 20000h Rated	86 %
Chromaticity Coordinate X	540 -
Chromaticity Coordinate Y	420 -

### • Electrical Characteristics

Lamp Wattage	50 W
Lamp Wattage EM 25°C, Nominal	50 W
Lamp Wattage EM 25°C, Rated	53 W
Voltage	230 V
Lamp Voltage	91 V
Lamp Current EM	0.75 A
Ignition Time	5 (max) s
Run-up time 90%	4 (max) min
Dimmable	yes

# PHILIPS

sense and simplicity

# MASTER SON-T PIA Plus

Re-ignition Time [sec] 30 (max) s  
Ratio scotopic/photopic lumens 0.50 -

## • Environmental Characteristics

Mercury (Hg) Content 12 mg

## • Luminaire Design Requirements

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

## • Product Dimensions

Overall Length C 156 (max) mm  
Diameter D 32 (max) mm  
Light Center Length L 102 mm

Arc Length O 35 mm

## • Product Data

Order code 192653 15  
Full product code 871150019265315  
Full product name MASTER SON-T PIA Plus 50W/220 E27 1SL  
Order product name MST SON-T PIA Plus 50W/220 E27 1SL/12  
Pieces per pack 1  
Packing configuration 12  
Packs per outerbox 12  
Bar code on pack - EAN1 8711500192653  
Bar code on outerbox - EAN3 8711500193094  
Logistic code(s) - 12NC 928151900028  
ILCOS code ST-50-H/S-E27  
Net weight per piece 0.047 kg

## Warnings and Safety

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

## Dimensional drawing

### MASTER SON-T PIA Plus 50W/220 E27 1SL

Product	C (Max)	D (Max)	L (Norm)	O (Norm)
SON-T PIA PLUS 50W E E27	156	36	102	35

## Photometric data

MASTER SON-T PIA Plus 50W & 70W

MASTER SON-T PIA Plus 50W, 70W



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data subject to change