



# 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	GES [GES]
Cap-Base Information	-
Bulb	T46 [T 46mm]
Bulb Finish	Clear
Burning Position	any [Any/Universal]
Life to 5% failures	17000 hr
Life to 10% failures	21000 hr
Life to 20% failures	26000 hr
Life to 50% failures	36000 hr

### • Light Technical Characteristics

Colour Code	220 [CCT of 2000K]
Colour Rendering Index	25 (max) Ra8
Colour Temperature	2000 K
Colour Temperature Technical	1950 K
Luminous Flux EM	56500 Lm
25°C, Rated	
Lamp Luminous Efficacy EM	142 Lm/W
Lum Efficacy Rated EM 25°C	142 Lm/W
Lumen Maintenance 2000h	99 %
Lumen Maintenance 5000h	96.5 %
Lumen Maintenance 20000h	88 %
Average Luminance EM	680 cd/cm <sup>2</sup>
LLMF EM 2000h Rated	99 %

LLMF EM 4000h Rated	97 %
LLMF EM 6000h Rated	96 %
LLMF EM 8000h Rated	94 %
LLMF EM 12000h Rated	92 %
LLMF EM 16000h Rated	90 %
LLMF EM 20000h Rated	88 %
Chromaticity Coordinate X	525 -
Chromaticity Coordinate Y	425 -

### • Electrical Characteristics

Lamp Wattage	400 W
Lamp Wattage EM 25°C, Nominal	400 W
Lamp Wattage EM 25°C, Rated	400 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
Ratio scotopic/photopic lumens	0.60 -

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sense and simplicity

# MASTER SON-T PIA Plus

## • Environmental Characteristics

Mercury (Hg) Content	20 mg
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## • Luminaire Design Requirements

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

## • Product Dimensions

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

## • Product Data

Order code	179883 15
Full product code	871150017988315
Full product name	MASTER SON-T PIA Plus 400W E E40 1SL
Order product name	MST SON-T PIA Plus 400W E E40 1SL/12
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	928144809227
ILCOS code	ST-400-H/E-E40
Net weight per piece	0.180 kg

## Warnings and Safety

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

## Dimensional drawing

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

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

E40

## Photometric data

MASTER SON-T PIA Plus 400W

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data subject to change