



MASTER SON-T PIA Plus

MASTER SON-T PIA Plus 250W/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	45
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
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

Colour Code	220 [CCT of 2000K]
Colour Rendering Index	25 (max) Ra8
Colour Temperature	2000 K
Technical Luminous Flux EM 25°C, Rated	33300 Lm

Lum Efficacy Rated EM 25°C	130 Lm/W
Average Luminance EM	470 cd/cm ²
LLMF EM 2000h Rated	99 %
LLMF EM 4000h Rated	98 %
LLMF EM 6000h Rated	97 %
LLMF EM 8000h Rated	96 %
LLMF EM 12000h Rated	96 %
LLMF EM 16000h Rated	95 %
LLMF EM 20000h Rated	94 %
Chromaticity Coordinate X	530 -
Chromaticity Coordinate Y	420 -

• Electrical Characteristics

Lamp Wattage	250 W
Lamp Wattage EM 25°C, Nominal	250 W
Lamp Wattage EM 25°C, Rated	250 W
Voltage	230 V
Lamp Voltage	100 V
Lamp Current EM	3 A
Ignition Time	10 (max) s
Run-up time 90%	5 (max) min
Dimmable	yes

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sense and simplicity

MASTER SON-T PIA Plus

Re-ignition Time [sec] 120 (max) s
Ratio scotopic/photopic lumens 0.60 -

• Environmental Characteristics

Mercury (Hg) Content 15 mg

• Luminaire Design Requirements

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

• Product Dimensions

Overall Length C 257 (max) mm
Diameter D 48 (max) mm
Light Center Length L 158 mm
Arc Length O 64 mm
Light Center Length L [inch] 6.875 in

Overall Length C [inch] 11.125 (max) in
Diameter D [inch] 1.75 in

• Product Data

Order code 179876 15
Full product code 871150017987615
Full product name MASTER SON-T PIA Plus 250W E40 1SL
Order product name MST SON-T PIA Plus 250W E E40 1SL/12
Pieces per pack 1
Packing configuration 12
Packs per outerbox 12
Bar code on pack - EAN1 8711500179876
Bar code on outerbox - EAN3 8711500182937
Logistic code(s) - 12NC 928144709230
ILCOS code ST-250-H/E-E40
Net weight per piece 0.170 kg

Warnings and Safety

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

Dimensional drawing

MASTER SON-T PIA Plus 250W/220 E40 1SL

Product	C (Max)	D (Max)	L (Norm)	O (Norm)
SON-T Plus 250W/220 E40	257	48	158	64

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