



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	E27
Cap-Base Information	-
Bulb	T35 [T 35mm]
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
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

Color Code	220 [CCT of 2000K]
Color Rendering Index	25 (max) Ra8
Color Temperature	2000 K
Luminous Flux EM 25°C, Rated	4400 Lm
Lum Efficacy Rated EM 25°C	81 Lm/W

Luminance Average EM	310 cd/cm ²
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	50.0 W
Lamp Wattage EM 25°C, Rated	53.0 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
Re-ignition Time [sec]	30 (max) s

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Ratio scotopic/ photopic lumens 0.50 -

Arc Length O 35 mm

• Environmental Characteristics

Energy Efficiency Label (EEL) A+
Mercury (Hg) Content 12 mg
Energy consumption kWh/1000h 58 kWh

• Luminaire Design Requirements

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

• Product Dimensions

Overall Length C 156 (max) mm
Diameter D 36 (max) mm
Light Center Length L 104 mm

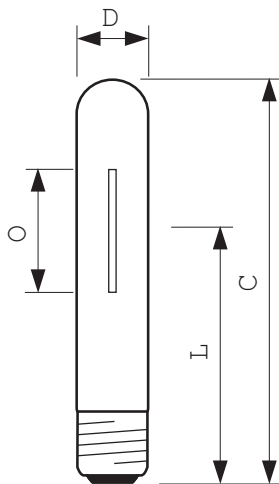
• Product Data

Order code 928151900028
Full product code 928151900028
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

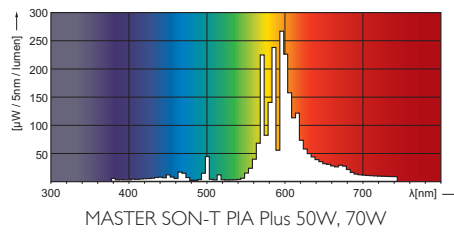
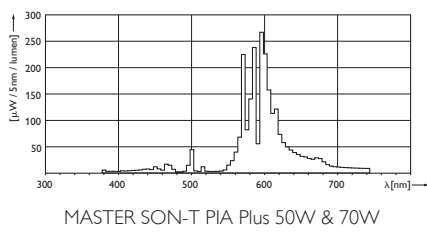


E27

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Product	C (Max)	D (Max)	L (Norm)	O (Norm)
SON-T PIA PLUS 50W E E27	156	36	104	35

Photometric data



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data subject to change