



MASTER SON-T PIA Plus

MASTER SON-T PIA Plus 70W/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	6600 Lm

Lum Efficacy Rated EM 25°C	91 Lm/W
Lumen Maintenance 2000h	90 %
Lumen Maintenance 5000h	86.5 %
Lumen Maintenance 20000h	81 %
Average Luminance EM	310 cd/cm ²
LLMF EM 2000h Rated	90 %
LLMF EM 4000h Rated	87 %
LLMF EM 6000h Rated	86 %
LLMF EM 8000h Rated	85 %
LLMF EM 12000h Rated	83 %
LLMF EM 16000h Rated	82 %
LLMF EM 20000h Rated	81 %
Chromaticity Coordinate X	540 -
Chromaticity Coordinate Y	420 -

• Electrical Characteristics

Lamp Wattage	70 W
Lamp Wattage EM 25°C, Nominal	70 W
Lamp Wattage EM 25°C, Rated	73 W
Voltage	230 V

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MASTER SON-T PIA Plus

Lamp Voltage	90 V
Lamp Current EM	1 A
Ignition Time	5 (max) s
Run-up time 90%	4 (max) min
Dimmable	yes
Re-ignition Time [sec]	30 (max) s
Ratio scotopic/photopic lumens	0.50 -

• Environmental Characteristics

Mercury (Hg) Content	12 mg
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• Luminaire Design Requirements

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

• Product Dimensions

Overall Length C	156 (max) mm
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Diameter D	32 (max) mm
Light Center Length L	102 mm
Arc Length O	42 mm

• Product Data

Order code	192660 15
Full product code	871150019266015
Full product name	MASTER SON-T PIA Plus 70W/220 E27 1SL
Order product name	MST SON-T PIA Plus 70W/220 E27 1SL/12
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500192660
Bar code on outerbox - EAN3	8711500193131
Logistic code(s) - 12NC	928152700028
ILCOS code	ST-70-H/S-E27
Net weight per piece	0.048 kg

Warnings and Safety

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

Dimensional drawing

MASTER SON-T PIA Plus 70W/220 E27 1SL

Product	C (Max)	D (Max)	L (Norm)	O (Norm)
SON-T PIA PLUS 70W E E27	156	36	102	42

Photometric data

MASTER SON-T PIA Plus 50W & 70W

MASTER SON-T PIA Plus 50W, 70W



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data subject to change