



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	E27
Cap-Base Information	-
Bulb	T35 [T 35mm]
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
Life to 5% failures	17000 hr
Life to 10% failures	20000 hr
Life to 20% failures	23500 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	99 %
LSF EM 16000h Rated, 12h cycle	96 %
LSF EM 20000h Rated, 12h cycle	90 %

• 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	6600 Lm
Lum Efficacy Rated EM 25°C	91 Lm/W

Lumen Maintenance 2000h	90 %
Lumen Maintenance 5000h	86.5 %
Lumen Maintenance 20000h	81 %
Luminance Average EM	310 cd/cm2
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	70.0 W
Lamp Wattage EM 25°C, Rated	73.0 W
Voltage	230 V
Lamp Voltage	90 V
Lamp Current EM	0.975 A

PHILIPS

MASTER SON-T PIA Plus

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

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	12 mg
Energy consumption kWh/1000h	80 kWh

• 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	36 (max) mm
Light Center Length L	104 mm
Arc Length O	42 mm

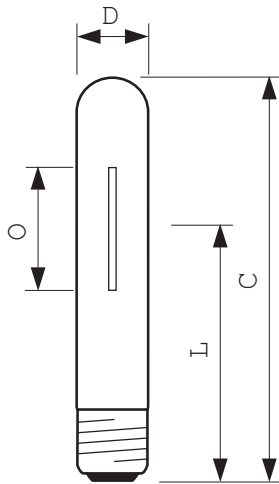
• Product Data

Order code	928152700028
Full product code	928152700028
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

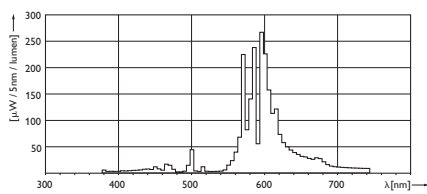


E27

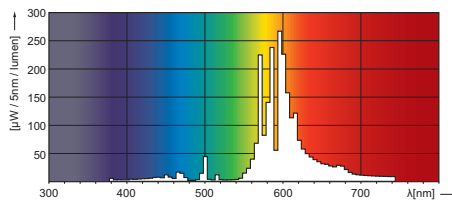
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Product	C (Max)	D (Max)	L (Norm)	O (Norm)
SON-T PIA PLUS 70W E E27	156	36	104	42

Photometric data



MASTER SON-T PIA Plus 50W & 70W



MASTER SON-T PIA Plus 50W, 70W



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data subject to change