



MASTER SON-T PIA Plus

MASTER SON-T PIA Plus 70W/220 E27 1SL/12

High Pressure Sodium lamp with clear tubular outer bulb, high output and long reliable lifetime

Product data

General Information			
Cap-Base	E27 [E27]	Lumen Maintenance 20000 h	81 %
Operating Position	UNIVERSAL [Any or Universal (U)]	Lumen Maintenance 5000 h (Nom)	86.5 %
Life to 5% Failures (Nom)	17000 h	Chromaticity Coordinate X (Nom)	540
Life to 10% Failures (Nom)	20000 h	Chromaticity Coordinate Y (Nom)	420
Life to 20% Failures (Nom)	23500 h	Correlated Color Temperature (Nom)	2000 K
Life to 50% Failures (Nom)	30000 h	Luminous Efficacy (Rated) (Nom)	91 lm/W
ANSI Code HID	-	Color Rendering Index (Max)	25
System Description	External Ignitor	LLMF 2000 h Rated	90 %
LSF 2000 h Rated	99 %	LLMF 4000 h Rated	87 %
LSF 4000 h Rated	99 %	LLMF 6000 h Rated	86 %
LSF 6000 h Rated	99 %	LLMF 8000 h Rated	85 %
LSF 8000 h Rated	99 %	LLMF 12000 h Rated	83 %
LSF 12000 h Rated	99 %	LLMF 16000 h Rated	82 %
LSF 16000 h Rated	96 %	LLMF 20000 h Rated	81 %
LSF 20000 h Rated	90 %	Ratio Scotopic/Photopic Lumens	0.50
Light Technical		Operating and Electrical	
Color Code	220 [CCT of 2000K]	Lamp supply voltage	230 V [230]
Luminous Flux (Rated) (Nom)	6600 lm	Power (Rated) (Nom)	73.0 W
Lumen Maintenance 2000 h (Nom)	90 %	Lamp Current (EM) (Nom)	0.975 A
		Ignition Supply Voltage (Max)	198 V

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Ignition Peak Voltage (Max)	1800 V
Re-Ignition Time (Min) (Max)	30 s
Ignition Time (Max)	5 s
Voltage (Max)	105 V
Voltage (Min)	75 V
Voltage (Nom)	90 V

Controls and Dimming

Dimmable	Yes
Run-Up Time 90% (Max)	4 min

Mechanical and Housing

Bulb Finish	Clear
Cap-Base Information	-

Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	12 mg

Energy Consumption kWh/1000 h	80 kWh
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Luminaire Design Requirements

Bulb Temperature (Max)	350 °C
Cap-Base Temperature (Max)	200 °C

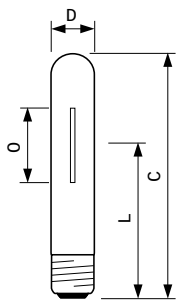
Product Data

Full product code	871150019266015
Order product name	MASTER SON-T PIA Plus 70W/220 E27 1SL/12
EAN/UPC - Product	8711500192660
Order code	928152700028
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928152700028
Net Weight (Piece)	0.048 kg
ILCOS Code	ST-70-H/S-E27

Warnings and Safety

- Control gear must include end-of-life protection (IEC60662, IEC 62035)
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Dimensional drawing

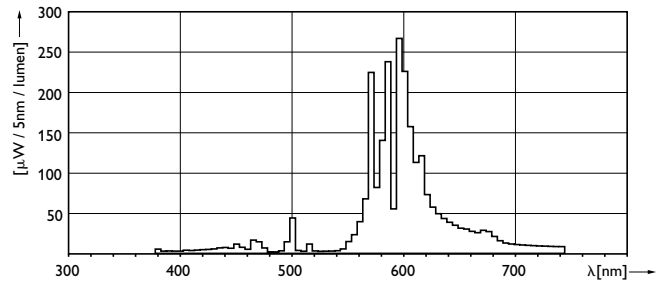
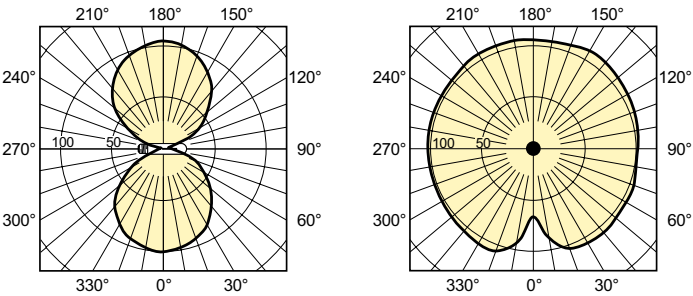


SON-T PIA PLUS 70W E E27

Product	D (max)	O	L	C (max)
MASTER SON-T PIA Plus 70W/220 E27 1SL/12	36 mm	42 mm	104 mm	156 mm

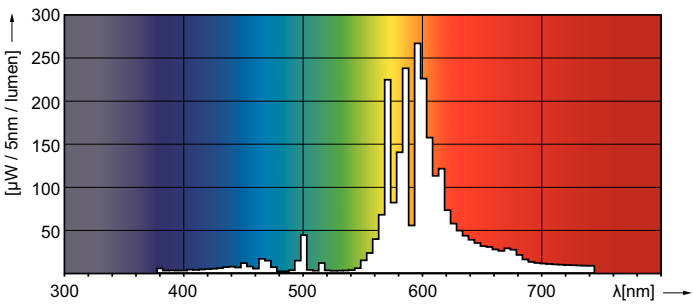
MASTER SON-T PIA Plus

Photometric data



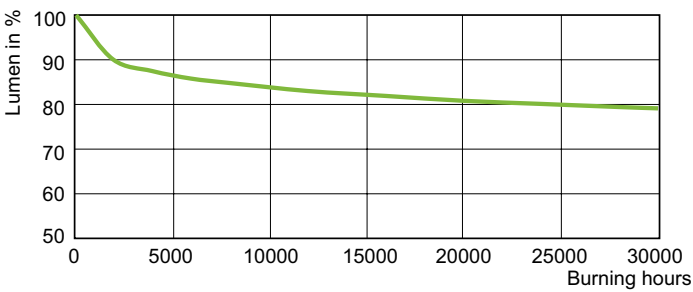
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MASTER SON-T PIA Plus 50W & 70W

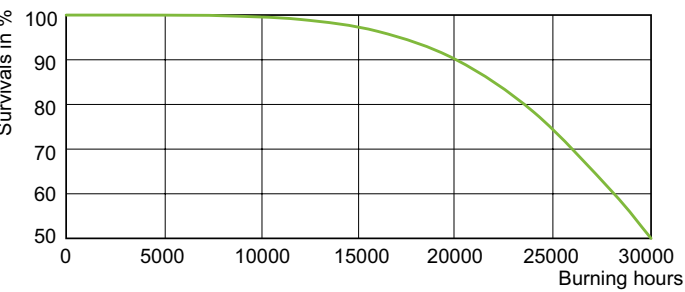


MASTER SON-T PIA Plus 50W, 70W

Lifetime



MASTER SON-T PIA Plus 70 W Lumen Maintenance



MASTER SON-T PIA Plus 70 W Life Expectancy E27

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