



MASTER SON-T PIA Plus

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

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

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.

Product data

General Information	
Cap base	E27 [E27]
Operating position	UNIVERSAL [Any or Universal (U)]
Life to 5% failures (nom.)	17000 h
Life to 10% failures (nom.)	20000 h
Life to 20% failures (nom.)	23500 h
Life to 50% failures (nom.)	28000 h
ANSI code HID	-
System description	External Ignitor (E)

Light Technical	
Colour Code	220 [CCT of 2,000 K]
Luminous flux (rated) (min.)	5940 lm
Luminous flux (rated) (nom.)	6600 lm
Lumen maintenance 2,000 hours (min.)	90 %
Lumen maintenance 2,000 hours (nom.)	95 %
Lumen maintenance 5,000 hours (min.)	85 %

Lumen maintenance 5,000 hours (nom.)	92 %
Chromaticity coordinate X (nom.)	540
Chromaticity coordinate Y (nom.)	420
Correlated Colour Temperature (Nom)	2000 K
Luminous efficacy (rated) (nom.)	91 lm/W
Color rendering index (max.)	25
Color rendering index (nom.)	-

Operating and Electrical	
Lamp supply voltage	220 V [220]
Power (Rated) (Nom)	73.0 W
Lamp current (EM) (nom.)	0.975 A
Ignition supply voltage (max.)	198 V
Ignition peak voltage (max.)	1800 V
Re-ignition time (min.) (max.)	30 s
Ignition time (max.)	5 s
Voltage (Max)	103 V

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Voltage (Min)	73 V
Voltage (Nom)	93 V

Controls and Dimming

Dimmable	No
Run-up time 90% (max.)	4 min

Mechanical and Housing

Lamp Finish	Clear
Cap-base information	na [-]

Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	12.2 mg
Energy consumption kWh/1,000 hours	80 kWh

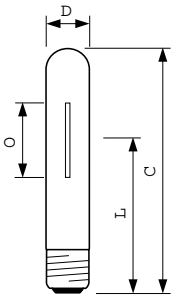
Luminaire Design Requirements

Bulb temperature (max.)	350 °C
Cap-base temperature (max.)	200 °C

Product Data

Full product code	871829118069200
Order product name	MSTSON-TPIA Plus 70W E27 1CT/12
EAN/UPC – product	8718291180692
Order code	18069200
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12 NC)	928483200094
Net Weight (Piece)	0.048 kg

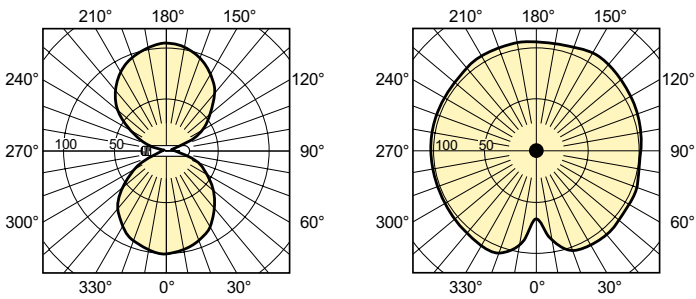
Dimensional drawing



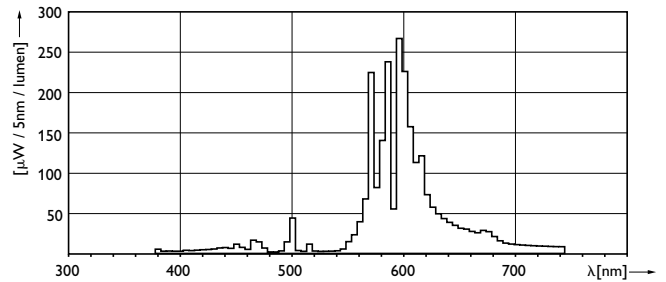
SON-T Plus 70W E E27

Product	D (max)	O	L	C (max)
MSTSON-TPIA Plus 70W E27 1CT/12	35.75 mm	42 mm	102 mm	156 mm

Photometric data



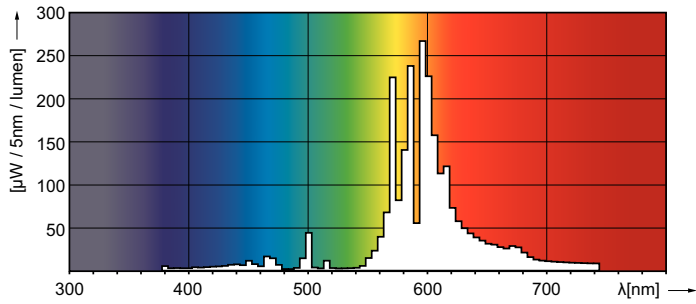
LDLD_SON-TPIA-Light distribution diagram



LDPB_SON-TPIA_0015-Spectral power distribution B/W

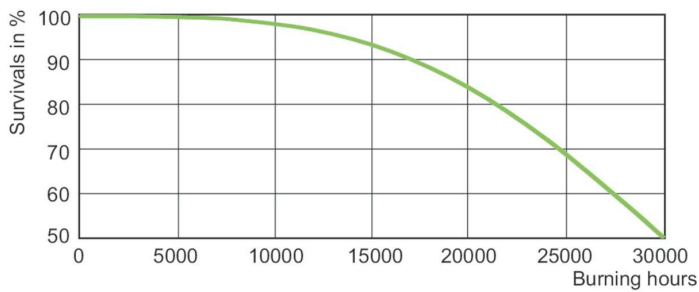
MASTER SON-T PIA Plus

Photometric data

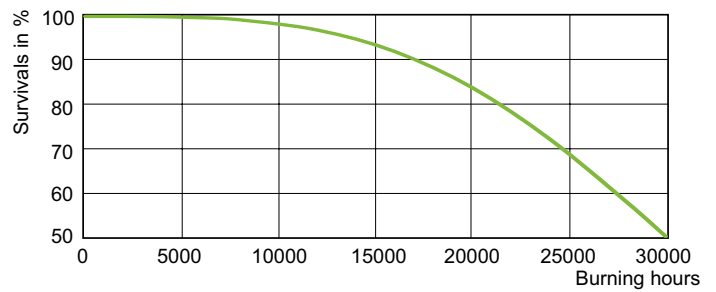


LDPO_SON-TPIA_0015-Spectral power distribution Colour

Lifetime



LDLE_SON-TPIA_0006-Life expectancy diagram



Life Expectancy SON-T Plus 70W E E27, SON-T Plus 100W E E40

