



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

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/Universal]
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.)	30000 h
ANSI code HID	-
System description	External Ignitor (E)
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %
LSF 12000 h Rated	99 %
LSF 16000 h Rated	96 %
LSF 20000 h Rated	90 %

Sphere	
Light Technical	
Colour Code	220 [CCT of 2,000 K]
Luminous flux (nom.)	6600 lm
Luminous flux (rated) (nom.)	6600 lm
Lumen maintenance 2,000 hours (nom.)	90 %
Lumen maintenance 20,000 hours	81 %
Lumen maintenance 5,000 hours (nom.)	86.5 %
Chromaticity coordinate X (nom.)	0.54
Chromaticity coordinate Y (nom.)	0.42
Correlated Colour Temperature (Nom)	1900 K
Luminous efficacy (rated) (nom.)	90.41 lm/W
Color rendering index (max.)	25
Colour rendering index (nom.)	-
LLMF 2000 h Rated	86 %
LLMF 4000 h Rated	83 %

MASTER SON-T PIA Plus

LLMF 6000 h Rated	81 %
LLMF 8000 h Rated	80 %
LLMF 12000 h Rated	78 %
LLMF 16000 h Rated	77 %
LLMF 20000 h Rated	76 %
Ratio scotopic/photopic lumens	0.50

Operating and Electrical

Lamp supply voltage	230 V [230]
Power (Rated) (Nom)	73.0 W
Lamp current (EM) (nom.)	0.96 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)	105 V
Voltage (Min)	75 V
Voltage (Nom)	92 V

Controls and Dimming

Dimmable	Yes
Run-up time 90% (max.)	4 min

Mechanical and Housing

Lamp Finish	Clear
Cap-base information	na [-]

Bulb shape	T35 [T 35mm]
------------	---------------

Approval and Application

Energy Efficiency Class	G
Mercury (Hg) content (max.)	12.2 mg
Mercury (Hg) content (nom.)	12.2 mg
Energy consumption kWh/1,000 hours	73 kWh
	473391

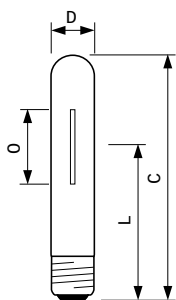
Luminaire Design Requirements

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	19266015
Local order code	70SONTPLUS
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928152700028
SAP net weight (piece)	0.048 kg
ILCOS code	ST-70-H/S-E27

Dimensional drawing

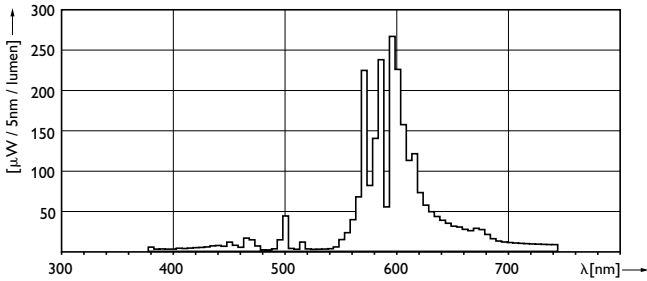
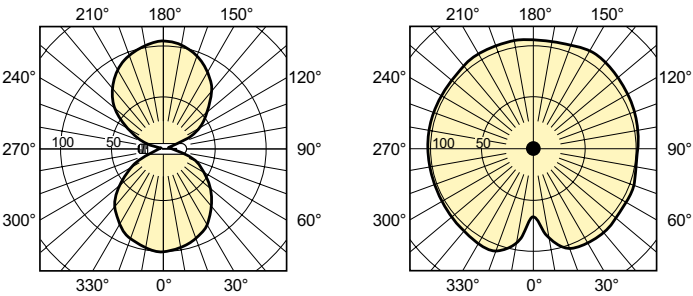


SON-T PIA PLUS 70W E E27

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

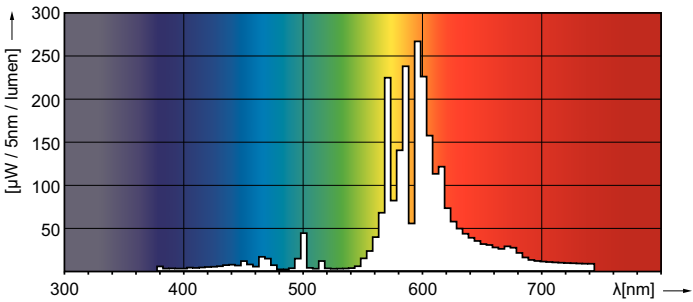
MASTER SON-T PIA Plus

Photometric data



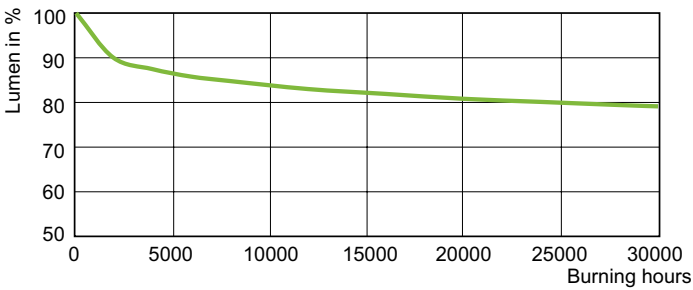
LDLD_SON-TPIA-Light distribution diagram

MASTER SON-T PIA Plus 50W & 70W

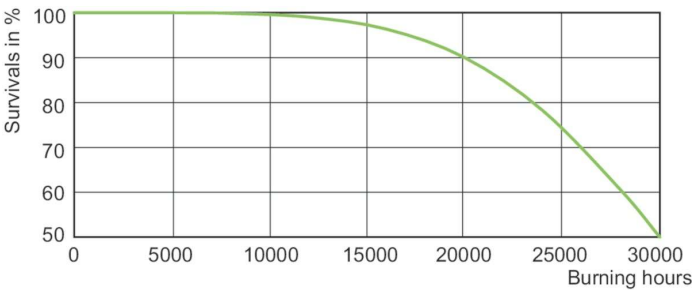


LDPO_SON-TPIA_0015-Spectral power distribution Colour

Lifetime



LDLM_SON-TPIA_0008-Lumen maintenance diagram



LDLE_SON-TPIA_0008-Life expectancy diagram

MASTER SON-T PIA Plus

