



MASTER SON PIA Plus



MASTER SON PIA Plus 70W/220 I E27 1CT/24

High Pressure Sodium lamp with opalized ovoid 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)	14000 h
Life To 10% Failures (Nom)	17000 h
Life to 20% Failures (Nom)	22000 h
Life to 50% Failures (Nom)	30000 h
System Description	Internal Ignitor
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %
LSF 12000 h Rated	96 %
LSF 16000 h Rated	92 %
LSF 20000 h Rated	83 %
Flux measurement reference	Sphere

Light technical	
Color Code	220 [CCT of 2000K]
Luminous Flux (Nom)	5750 lm
Luminous Flux (Rated) (Min)	5040 lm
Luminous Flux (Rated) (Nom)	5600 lm
Chromaticity Coordinate X (Nom)	0.54
Chromaticity Coordinate Y (Nom)	0.42
Correlated Color Temperature (Nom)	1900 K
Luminous Efficacy (rated) (Nom)	80 lm/W
Color Rendering Index (Max)	25
Color Rendering Index (Nom)	-
LLMF 2000 h Rated	92 %
LLMF 4000 h Rated	90 %
LLMF 6000 h Rated	89 %
LLMF 8000 h Rated	88 %
LLMF 12000 h Rated	87 %
LLMF 16000 h Rated	86 %

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LLMF 20000 h Rated	86 %
Operating and electrical	
Power (Nom)	71.5 W
Lamp Current (EM) (Nom)	0.980 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	1800 V
Re-Ignition Time (Min) (Max)	600 s
Ignition Time (Max)	60 s
Voltage (Max)	105 V
Voltage (Min)	77 V
Voltage (Nom)	92 V
Controls and dimming	
Dimmable	Yes
Run-Up Time 90% (Max)	5 min
Mechanical and housing	
Bulb Finish	Coated glass
Bulb Shape	B70 [B 70mm]
Approval and application	
Energy Efficiency Class	G

Mercury (Hg) Content (Max)	16.3 mg
Mercury (Hg) Content (Nom)	16.3 mg
Energy Consumption kWh/1000 h	72 kWh
EPREL Registration Number	473371

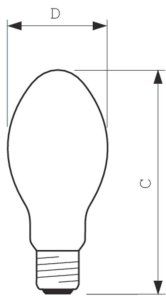
Luminaire design requirements

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

Product data

Full product code	871150020426430
Order product name	MASTER SON PIA Plus 70W/220 I E27 1CT/24
EAN/UPC - Product	8711500204264
Order code	928150008835
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	24
Material Nr. (12NC)	928150008835
Net Weight (Piece)	0.062 kg
ILCOS Code	SE-70-H/I-E27

Dimensional drawing



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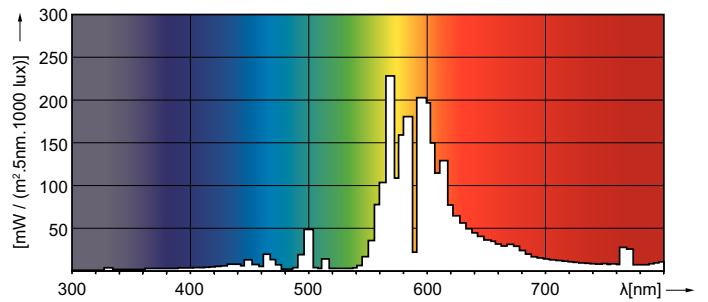
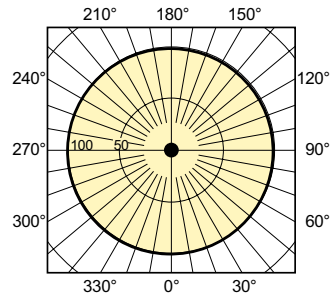
Product	D (max)	C (max)
MASTER SON PIA Plus 70W/220 I E27 1CT/24	70 mm	152 mm

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Photometric data

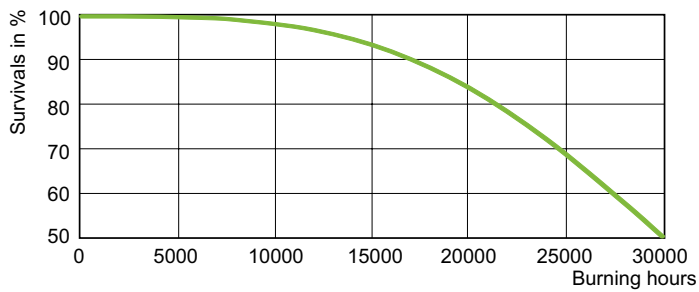


LDLD_SON-PIA_0002-Light distribution diagram

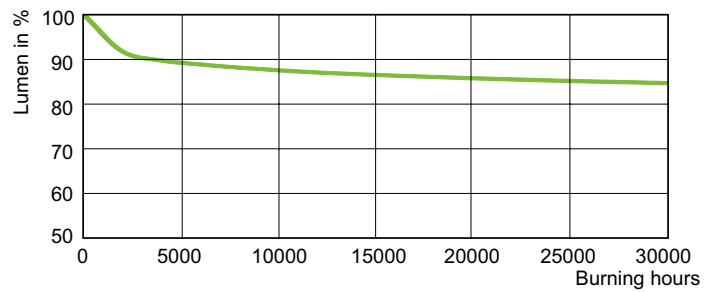


LDPO_SON-PIA_0003-Spectral power distribution Colour

Lifetime



LDLE_SON-PIA_Plus_70W_I-Life expectancy diagram



LDLM_SON-PIA_Plus_70W_I-Lumen maintenance diagram

