



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 %

Light Technical	
Color Code	220 [CCT of 2000K]
Luminous Flux (Rated) (Min)	5040 lm
Luminous Flux (Rated) (Nom)	5600 lm
Correlated Color Temperature (Nom)	1900 K
Luminous Efficacy (rated) (Nom)	80 lm/W
Color Rendering Index (Max)	25
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 %
LLMF 20000 h Rated	86 %

Operating and Electrical	
Power (Nom)	70 W

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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
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Approval and Application

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	16.3 mg

Energy Consumption kWh/1000 h	79 kWh
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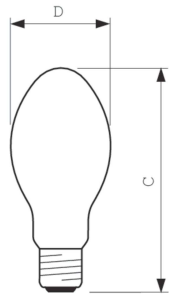
Luminaire Design Requirements

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

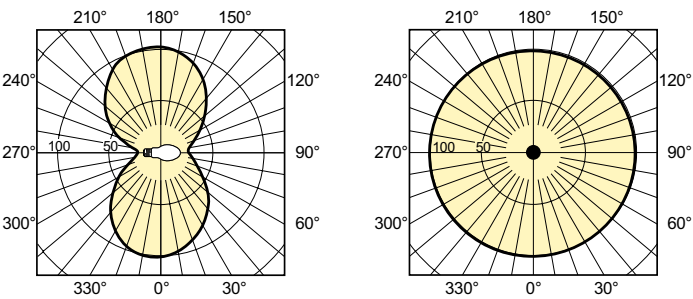
Dimensional drawing



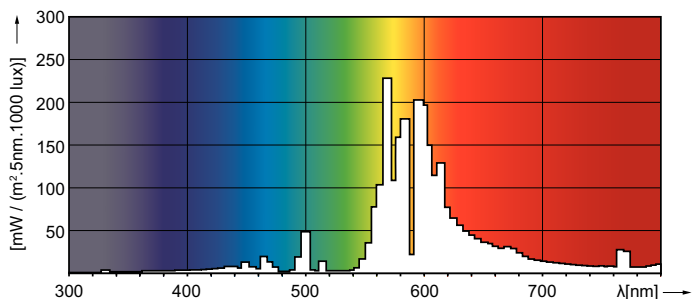
SON PIA Plus 70W/220 I E27

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

Photometric data



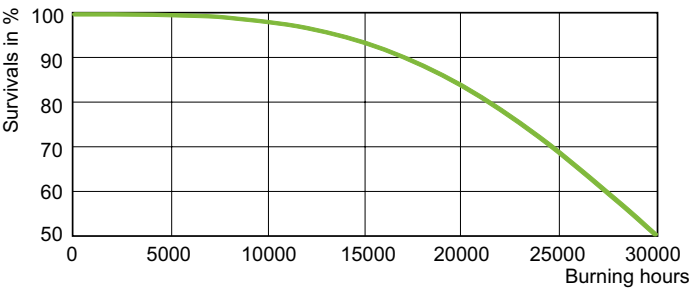
LDLD_SON-PIA_0002-Light distribution diagram



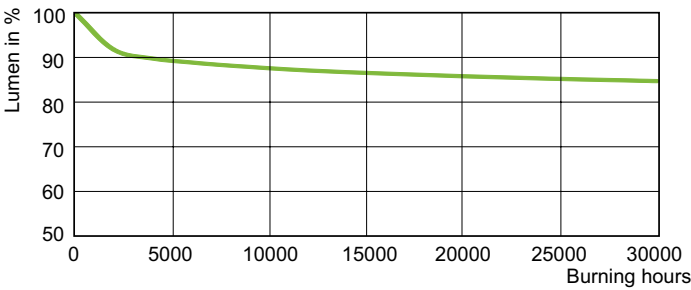
LDPO_SON-PIA_0003-Spectral power distribution Colour

MASTER SON PIA Plus

Lifetime



LDLE_SON-PIA_Plus_70W_I-Life expectancy diagram



LDLM_SON-PIA_Plus_70W_I-Lumen maintenance diagram

