

MASTER SON PIA Plus

MASTER SON PIA Plus 50W E27

High Pressure Sodium lamp with opalized ovoid outer bulb, high output and long reliable lifetime

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	External 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) (Nom)	3900 lm
Chromaticity Coordinate X (Nom)	540
Chromaticity Coordinate Y (Nom)	410
Correlated Color Temperature (Nom)	1900 K
Luminous Efficacy (Rated) (Nom)	76 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 %
Ratio Scotopic/Photopic Lumens	0.50

Operating and Electrical	
Power (Rated) (Nom)	51.0 W
Lamp Current (EM) (Nom)	0.76 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	1800 V
Re-Ignition Time (Min) (Max)	180 s
Ignition Time (Max)	5 s
Voltage (Max)	100 V
Voltage (Min)	70 V
Voltage (Nom)	85 V

Controls and Dimming	
Dimmable	Yes
Run-Up Time 90% (Max)	5 min

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Mechanical and Housing	
Bulb Finish	Coated glass

Approval and Application	
Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	12 mg
Energy Consumption kWh/1000 h	56 kWh

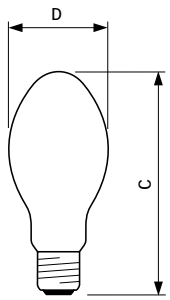
Luminaire Design Requirements	
Bulb Temperature (Max)	350 °C
Cap-Base Temperature (Max)	200 °C

Product Data	
Full product code	871829118038800
Order product name	MASTER SON PIA Plus 50W E27
EAN/UPC - Product	8718291180388
Order code	928061109835
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	24
Material Nr. (12NC)	928061109835
Net Weight (Piece)	0.051 kg

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.

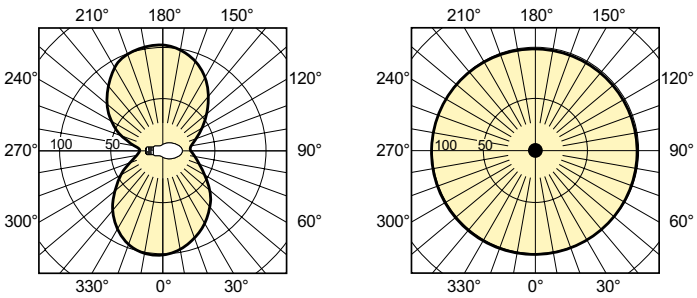
Dimensional drawing



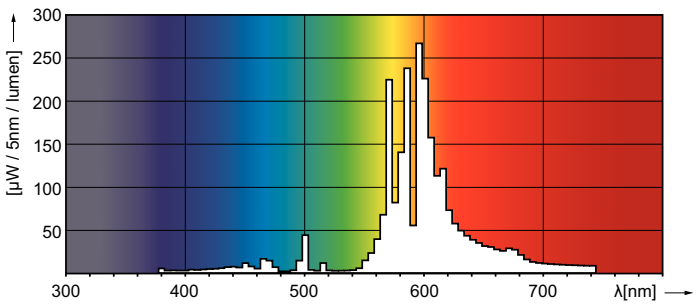
SON PIA Plus 50W E27

Product	D (max)	C (max)
MASTER SON PIA Plus 50W E27	71 mm	156 mm

Photometric data



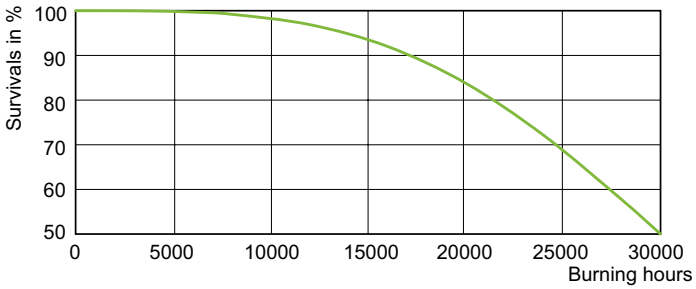
MASTER SON PIA Plus E27



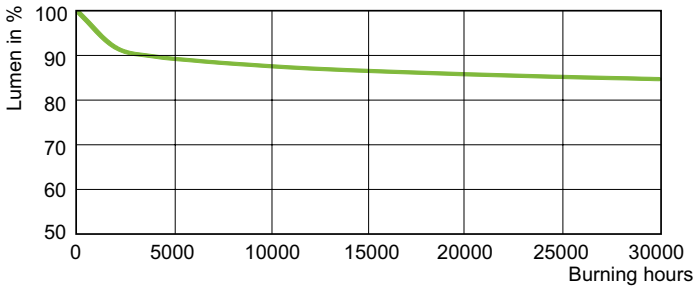
SON PIA Plus 50W/70W, E27 External Ignitor

MASTER SON PIA Plus

Lifetime



MASTER SON PIA Plus 50 W Life Expectancy E27



MASTER SON PIA Plus 50 W Lumen Maintenance B70

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