

MASTER SON PIA Plus

MASTER SON PIA Plus 100W/220 E40 1SL/12

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

Product data

• General Information

Cap-Base	E40 [E40]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life To 5% Failures (Nom)	17000 h
Life To 10% Failures (Nom)	21000 h
Life To 20% Failures (Nom)	26000 h
Life To 50% Failures (Nom)	36000 h
System Description	External Ignitor (E)
LSF 2000 h Rated	100 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %
LSF 12000 h Rated	98 %
LSF 16000 h Rated	96 %
LSF 20000 h Rated	91 %

• Light Technical

Colour Code	220 [CCT of 2000K]
Luminous Flux (Rated) (Nom)	9700 lm
Chromaticity Coordinate X (Nom)	535
Chromaticity Coordinate Y (Nom)	420
Colour Temperature, horizontal (Nom)	2000 K
Luminous Efficacy (rated) (Nom)	97 lm/W
Colour Rendering Index horiz (Max)	25
Depreciation 2000 hrs	98 %
LLMF 4000 h Rated	96 %
Depreciation 5000 hrs	95 %
LLMF 8000 h Rated	94 %
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	90 %
LLMF 20000 h Rated	89 %

• Operating and Electrical

Power (Rated) (Nom)	100 W
Lamp Current (EM) (Nom)	1.2 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	2800 V
Re-Ignition Time (Min) (Max)	120 s
Ignition Time (Max)	5 s
Voltage (Max)	115 V
Voltage (Min)	85 V
Voltage (Nom)	100 V

• Controls and Dimming

Dimmable	Yes
Run-up Time 90% (Max)	4 min

• Mechanical and Housing

Bulb Finish	Coated [Coated glass (CO)]

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MASTER SON PIA Plus

- Approval and Application

Energy Efficiency Label	A+
Mercury (Hg) Content (Nom)	16 mg
Energy Consumption kWh/1000 h	110 kWh

- Luminaire Design Requirements

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

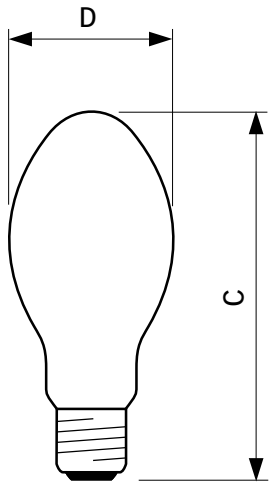
- Product Data

Full product code	871150018225815
Order product name	MASTER SON PIA Plus 100W/220 E40 1SL/12
EAN/UPC - Product	8711500182258
Order code	18225815
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928151608827
Net Weight (Piece)	0.125 kg
ILCOS Code	SE-100-H/S-E40

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.

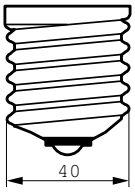
Dimensional drawing



MASTER SON PIA

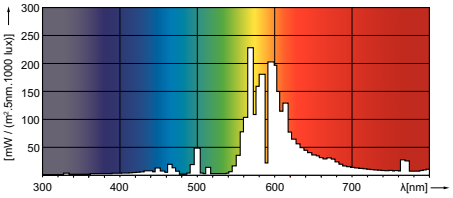
SON PIA Plus 100W/220 E40

Product	D	C
MASTER SON PIA Plus 100W/220 E40 1SL/12	76 mm	186 mm



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Photometric data



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