



MASTER SON PIA Plus

MASTER SON PIA Plus 100W/220 E40 1SL

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

Product data

• General Characteristics

System Description	External Ignitor
Cap-Base	E40
Bulb	B75 [B 75mm]
Bulb Finish	Coated
Operating Position	any [Any or Universal (U)]
Life to 5% failures	17000 hr
Life to 10% failures	21000 hr
Life to 20% failures	26000 hr
Life to 50% failures	36000 hr
LSF EM 2000h Rated, 12h cycle	100 %
LSF EM 4000h Rated, 12h cycle	99 %
LSF EM 6000h Rated, 12h cycle	99 %
LSF EM 8000h Rated, 12h cycle	99 %
LSF EM 12000h Rated, 12h cycle	98 %
LSF EM 16000h Rated, 12h cycle	96 %
LSF EM 20000h Rated, 12h cycle	91 %

• Light Technical Characteristics

Color Code	220 [CCT of 2000K]
Color Rendering Index	25 (max) Ra8
Color Temperature	2000 K
Luminous Flux EM 25°C, Rated	10000 Lm
Lum Efficacy Rated EM 25°C	98 Lm/W
Luminance Average EM	15 cd/cm ²

LLMF EM 2000h Rated	98 %
LLMF EM 4000h Rated	96 %
LLMF EM 6000h Rated	95 %
LLMF EM 8000h Rated	94 %
LLMF EM 12000h Rated	92 %
LLMF EM 16000h Rated	90 %
LLMF EM 20000h Rated	89 %
Chromaticity Coordinate X	535 -
Chromaticity Coordinate Y	420 -

• Electrical Characteristics

Lamp Wattage	100 W
Lamp Wattage EM 25°C, Nominal	100.0 W
Lamp Wattage EM 25°C, Rated	100.0 W
Lamp Voltage	100 V
Lamp Current EM	1.2 A
Ignition Time	5 (max) s
Run-up time 90%	4 (max) min
Dimmable	Yes
Re-ignition Time [sec]	120 (max) s
Ratio scotopic/photopic lumens	0.55 -

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• Environmental Characteristics

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

• Luminaire Design Requirements

Cap-Base Temperature	200 (max) C
Bulb Temperature	350 (max) C

• Product Dimensions

Overall Length C	186 (max) mm
Diameter D	76 (max) mm

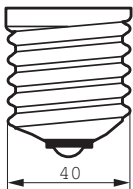
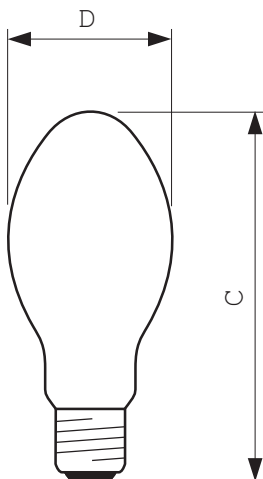
• Product Data

Order code	928151608827
Full product code	928151608827
Full product name	MASTER SON PIA Plus 100W/220 E40 1SL
Order product name	MASTER SON PIA Plus 100W/220 E40 1SL/12
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500182258
Bar code on outerbox - EAN3	8711500182265
Logistic code(s) - 12NC	928151608827
ILCOS code	SE-100-H/S-E40
Net weight per piece	0.125 kg

Warnings and Safety

- Control gear must include end-of-life protection (IEC60662, IEC 62035)

Dimensional drawing

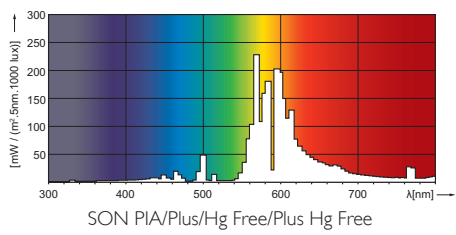


E40

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Product	C (Max)	D (Max)
SON PIA Plus 100W/220 E40	186	76

Photometric data



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data subject to change