



MASTER SON APIA Plus Xtra

MASTER SON APIA Plus Xtra 100W E40 1SL

High Pressure Sodium lamp with opalized outer bulb, high output and longest 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	24000 hr
Life to 10% failures	28000 hr
Life to 20% failures	32000 hr
Life to 50% failures	40000 hr
LSF EM 2000h Rated, 12h cycle	99 %
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	99 %
LSF EM 16000h Rated, 12h cycle	99 %
LSF EM 20000h Rated, 12h cycle	97 %

• Light Technical Characteristics

Color Code	-
Color Rendering Index	25 (max) Ra8
Color Temperature Technical	1950 K
Luminous Flux EM 25°C, Rated	10000 Lm
Lum Efficacy Rated EM 25°C	100 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

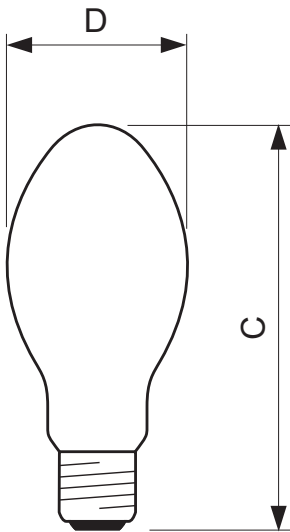
• Product Data

Order code	928150819827
Full product code	928150819827
Full product name	MASTER SON APIA Plus Xtra 100W E40 1SL
Order product name	MST SON APIA Plus Xtra 100W E40 1SL/12
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8727900927436
Bar code on outerbox - EAN3	8727900927443
Logistic code(s) - 12NC	928150819827
ILCOS code	SE-100-H/E-E40
Net weight per piece	0.145 kg

Warnings and Safety

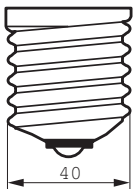
- Control gear must include end-of-life protection (IEC60662, IEC 62035)

Dimensional drawing



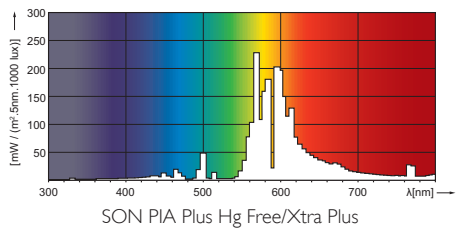
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Product	C (Max)	D (Max)
SON APIA Plus Xtra 100W E40	186	76



E40

Photometric data



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data subject to change