



MASTER SON APIA Plus Xtra

MASTER SON APIA Plus Xtra 100W E40 1SL/12

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

Product data

General Information		Luminous Efficacy (rated) (Nom)	
Cap-Base	E40 [E40]	Luminous Efficacy (rated) (Nom)	100 lm/W
Operating Position	UNIVERSAL [Any or Universal (U)]	Colour Rendering Index horiz (Max)	25
Life to 5% Failures (Nom)	24000 h	Depreciation 2000 hrs	98 %
Life To 10% Failures (Nom)	28000 h	LLMF 4000 h Rated	96 %
Life to 20% Failures (Nom)	32000 h	Depreciation 5000 hrs	95 %
Life to 50% Failures (Nom)	40000 h	LLMF 8000 h Rated	94 %
System Description	External Ignitor (E)	LLMF 12000 h Rated	92 %
LSF 2000 h Rated	99 %	LLMF 16000 h Rated	90 %
LSF 4000 h Rated	99 %	LLMF 20000 h Rated	89 %
LSF 6000 h Rated	99 %	Ratio Scotopic/Photopic Lumens	0.55
LSF 8000 h Rated	99 %	Operating and Electrical	
LSF 12000 h Rated	99 %	Power (Rated) (Nom)	100.0 W
LSF 16000 h Rated	99 %	Lamp Current (EM) (Nom)	1.2 A
LSF 20000 h Rated	97 %	Ignition Supply Voltage (Max)	198 V
Light Technical		Ignition Peak Voltage (Max)	2800 V
Colour Code	- [Not Specified]	Re-Ignition Time (Min) (Max)	120 s
Luminous Flux (Rated) (Nom)	10000 lm	Ignition Time (Max)	5 s
Chromaticity Coordinate X (Nom)	535	Voltage (Max)	115 V
Chromaticity Coordinate Y (Nom)	420	Voltage (Min)	85 V
Colour Temperature, horizontal (Nom)	1950 K	Voltage (Nom)	100 V

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Controls and Dimming

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

Mechanical and Housing

Bulb Finish	Coated glass
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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
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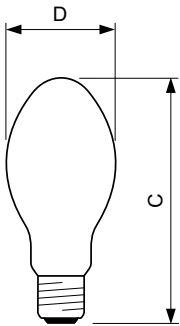
Cap-Base Temperature (Max)	200 °C
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Product Data

Full product code	872790092743600
Order product name	MASTER SON APIA Plus Xtra 100W E40 1SL/12
EAN/UPC - Product	8727900927436
Order code	92743600
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928150819827
Net Weight (Piece)	0.145 kg
ILCOS Code	SE-100-H/E-E40

Warnings and Safety

Dimensional drawing

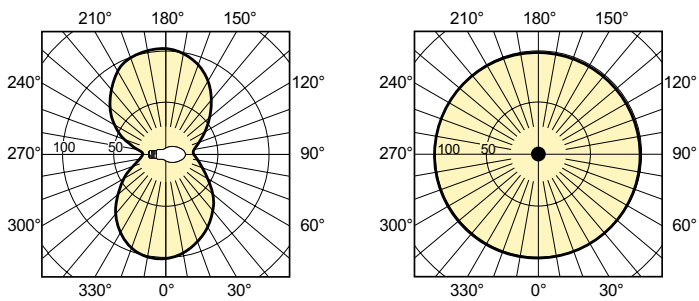


SON APIA Plus Xtra 100W E40

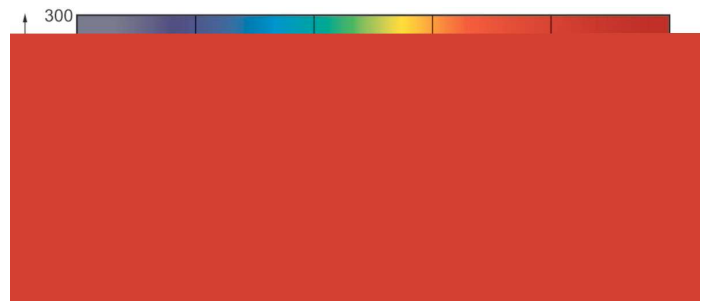
Product

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Photometric data

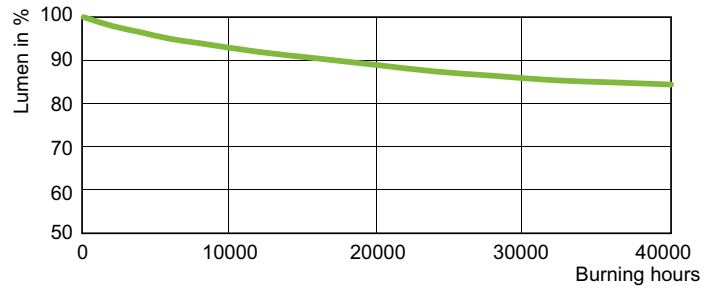
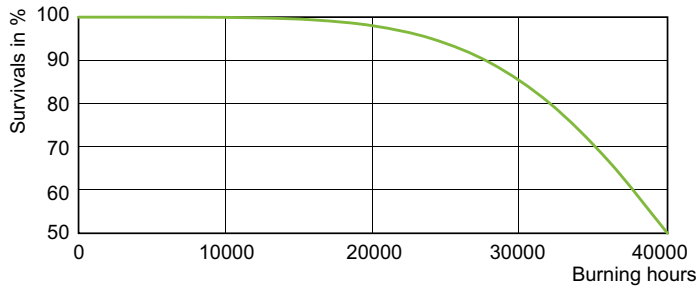


LDLD_SON-APIA-Light distribution diagram



MASTER SON APIA Plus Xtra

Lifetime



LDLM_SON-APIA_0004-Lumen maintenance diagram

