



MASTER SON-T APIA Plus Xtra

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

High Pressure Sodium lamp with clear tubular outer bulb shape, high output and longest reliable lifetime

Product data

General Information	
Cap base	E40 [E40]
Burning Position	UNIVERSAL [Any/Universal]
Life to 5% failures (nom.)	24000 h
Life to 10% failures (nom.)	28000 h
Life to 20% failures (nom.)	32000 h
Life to 50% failures (nom.)	40000 h
System description	External Ignitor (E)
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %
LSF 12000 h Rated	99 %
LSF 16000 h Rated	99 %
LSF 20000 h Rated	97 %
Light Technical	
Colour Code	- [Not Specified]
Lamp Luminous Flux (Nom)	10700 lm
Chromaticity coordinate X (nom.)	535
Chromaticity coordinate Y (nom.)	420
Colour Temperature, horizontal (Nom)	1950 K

Lamp Luminous Efficacy EM (Nom)	107 lm/W
Colour Rendering Index,horiz (Max)	25
LLMF 2000 h Rated	98 %
LLMF 4000 h Rated	96 %
LLMF 6000 h Rated	95 %
LLMF 8000 h Rated	94 %
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	90 %
LLMF 20000 h Rated	89 %
Ratio Scotopic/Photopic Lumens	0.55

Operating and Electrical	
Power (Rated) (Nom)	100.0 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

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Controls and Dimming

Dimmable	yes
Run-up time 90% (max.)	4 min

Mechanical and Housing

Bulb finish	Clear
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Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	16.0 mg
Energy Consumption kWh/1000 h	110 kWh

Luminaire Design Requirements

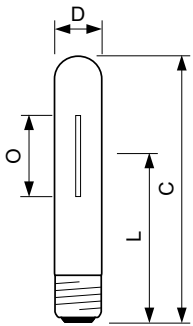
Bulb temperature (max.)	450 °C
Cap base temperature (max.)	250 °C

Product Data

Full product code	872790092323000
Order product name	MASTER SON-T APIA Plus Xtra 100W E40 1SL/12
EAN/UPC – product	8727900923230
Order code	928150219230
Local Code	SONTPX100WGES
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928150219230
Net weight (piece)	0.145 kg
ILCOS Code	ST-100-H/E-E40

Warnings and Safety

Dimensional drawing

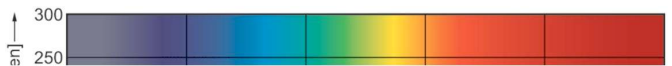
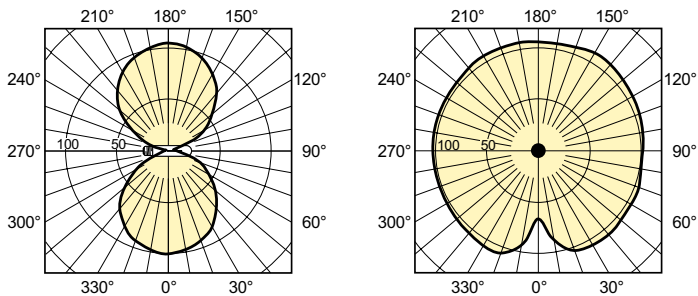


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Product

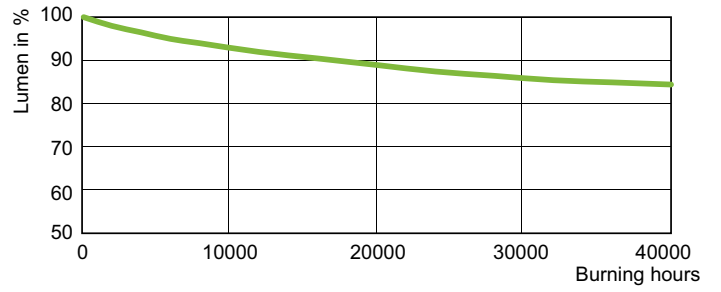
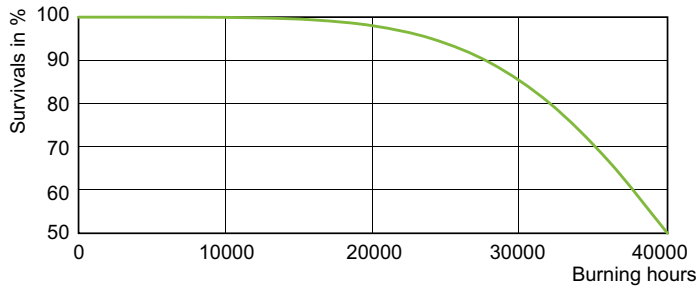
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Photometric data



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Lifetime



LDLE_SONTAPIA_0001-Life expectancy diagram

