



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

Warnings and Safety

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

Product data

General Information			
Cap base	E40 [E40]	Chromaticity coordinate Y (nom.)	420
Operating position	UNIVERSAL [Any/Universal]	Correlated Colour Temperature (Nom)	1950 K
Life to 5% failures (nom.)	24000 h	Luminous efficacy (rated) (nom.)	107.84 lm/W
Life to 10% failures (nom.)	28000 h	Color rendering index (max.)	25
Life to 20% failures (nom.)	32000 h	LLMF 2000 h Rated	98 %
Life to 50% failures (nom.)	40000 h	LLMF 4000 h Rated	96 %
System description	External Ignitor (E)	LLMF 6000 h Rated	95 %
LSF 2000 h Rated	99 %	LLMF 8000 h Rated	94 %
LSF 4000 h Rated	99 %	LLMF 12000 h Rated	92 %
LSF 6000 h Rated	99 %	LLMF 16000 h Rated	90 %
LSF 8000 h Rated	99 %	LLMF 20000 h Rated	89 %
LSF 12000 h Rated	99 %	Ratio scotopic/photopic lumens	0.55
LSF 16000 h Rated	99 %		
LSF 20000 h Rated	97 %		
Light Technical		Operating and Electrical	
Colour Code	- [Not Specified]	Power (Rated) (Nom)	102.0 W
Luminous flux (rated) (nom.)	11000 lm	Lamp current (EM) (nom.)	0.118 A
Chromaticity coordinate X (nom.)	535	Ignition supply voltage (max.)	198 V
		Ignition peak voltage (max.)	2800 V
		Re-ignition time (min.) (max.)	120 s
		Ignition time (max.)	5 s

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Voltage (Max)	115 V
Voltage (Min)	85 V
Voltage (Nom)	102 V

Controls and Dimming

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

Mechanical and Housing

Lamp Finish	Clear
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Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	16.0 mg
Energy consumption kWh/1,000 hours	112 kWh

Luminaire Design Requirements

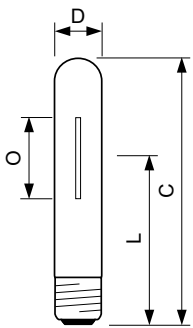
Bulb temperature (max.)	450 °C
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Cap-base temperature (max.)	250 °C
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Product Data

Full product code	872790092323000
Order product name	MASTER SON-T APIA Plus Xtra 100W E40 1SL/12
EAN/UPC – product	8727900923230
Order code	92323000
Local code	100SONTPLUSXTRA
Numerator – quantity per pack	1
SAP numerator – packs per outer box	12
Material no. (12 NC)	928150219230
SAP net weight (piece)	0.145 kg
ILCOS code	ST-100-H/E-E40

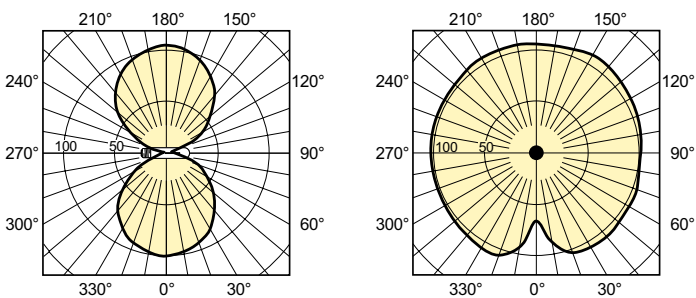
Dimensional drawing



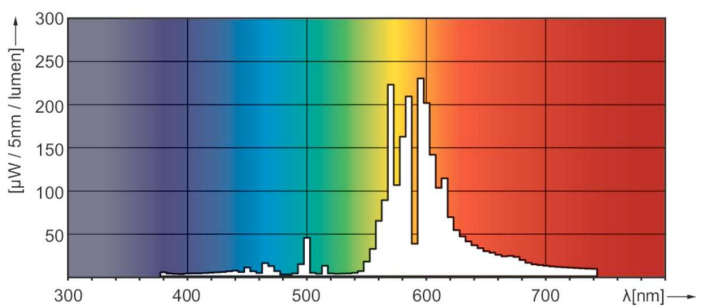
SON-T APIA Plus Xtra 100W E40

Product	D (max)	O	L	C (max)
MASTER SON-T APIA Plus Xtra 100W E40 1SL/12	48 mm	47 mm	132 mm	210 mm

Photometric data



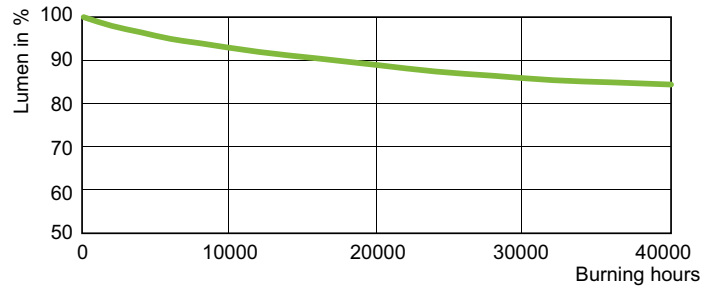
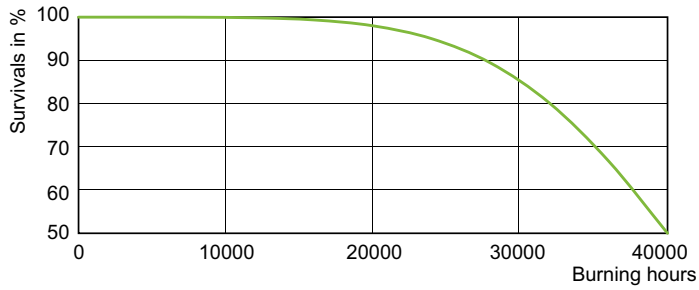
LDLD_SONTAPIA-Light distribution diagram



LDPO_SONTAPIA_0002-Spectral power distribution Colour

MASTER SON-T APIA Plus Xtra

Lifetime



LDLE_SONTAPIA_0001-Life expectancy diagram

LDLM_SONTAPIA_0004-Lumen maintenance diagram

