



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]
Operating 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 %
	Sphere
Light Technical	
Colour Code	- [Not Specified]
Luminous flux (nom.)	11300 lm

Luminous flux (rated) (nom.)	11300 lm
Chromaticity coordinate X (nom.)	0.535
Chromaticity coordinate Y (nom.)	0.42
Correlated Colour Temperature (Nom)	2000 K
Luminous efficacy (rated) (nom.)	110 lm/W
Color rendering index (max.)	25
Colour rendering index (nom.)	-
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)	103.0 W
Lamp current (EM) (nom.)	0.118 A
Ignition supply voltage (max.)	198 V

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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)	103 V

Controls and Dimming

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

Mechanical and Housing

Lamp Finish	Clear
Bulb shape	T46 [T 46mm]

Approval and Application

Energy Efficiency Class	F
Mercury (Hg) content (max.)	16.3 mg
Mercury (Hg) content (nom.)	16.3 mg
Energy consumption kWh/1,000 hours	103 kWh

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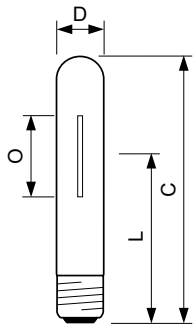
Luminaire Design Requirements

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	92323000
Local order code	100SONTPLUSXTRA
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928150219230
SAP net weight (piece)	0.145 kg
ILCOS code	ST-100-H/E-E40

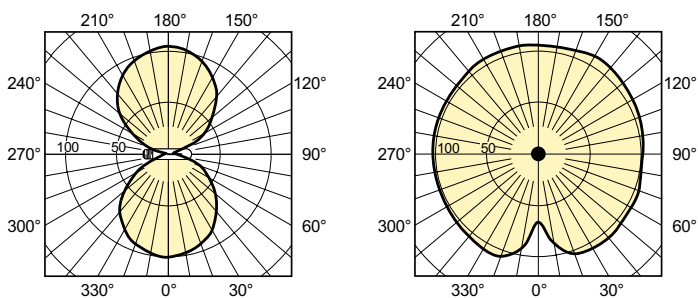
Dimensional drawing



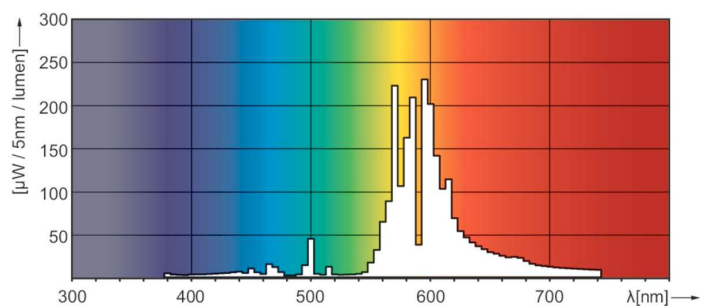
SON-T APIA Plus Xtra 100W E40

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



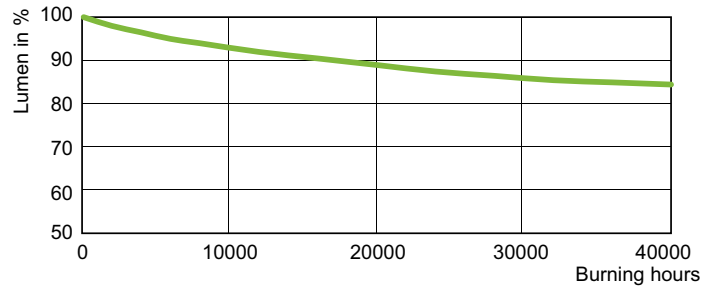
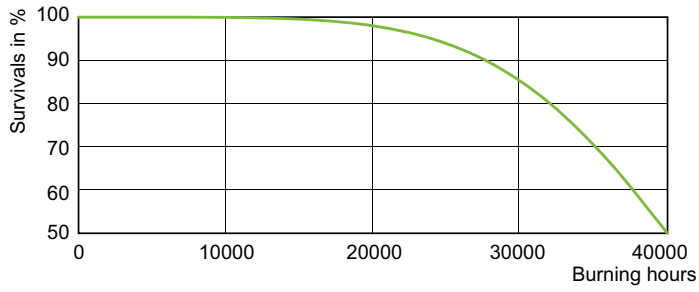
LDLD_SONTAPIA-Light distribution diagram



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

