



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)
- HF gear must comply with Philips LDi guideline
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Product data

General Information	
Cap-Base	E40 [E40]
Operating Position	UNIVERSAL [Any or Universal (U)]
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]
Luminous Flux (Rated) (Nom)	11300 lm
Chromaticity Coordinate X (Nom)	0.535
Chromaticity Coordinate Y (Nom)	0.420
Colour Temperature, horizontal (Nom)	2000 K
Luminous Efficacy (rated) (Nom)	110 lm/W
Colour Rendering Index horiz (Max)	25
Depreciation 2000 hrs	98 %
LLMF 4000 h Rated	96 %
Depreciation 5000 hrs	95 %
LLMF 8000 h Rated	94 %
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	90 %
LLMF 20000 h Rated	89 %

MASTER SON-T APIA Plus Xtra

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
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

Bulb Finish	Clear
-------------	-------

Approval and Application

Energy Efficiency Label	A+
-------------------------	----

Mercury (Hg) Content (Nom)	16.3 mg
Energy Consumption kWh/1000 h	112 kWh

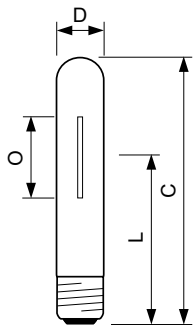
Luminaire Design Requirements

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	92323000
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928150219230
Net Weight (Piece)	0.145 kg
ILCOS Code	ST-100-H/E-E40

Dimensional drawing

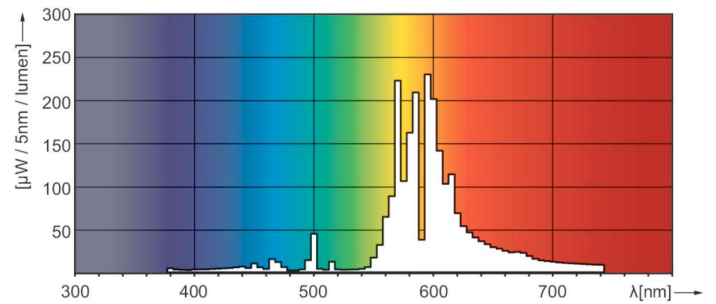
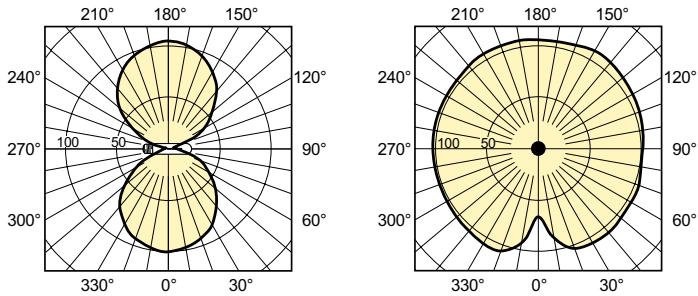


SON-T APIA Plus Xtra 100W E40

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

MASTER SON-T APIA Plus Xtra

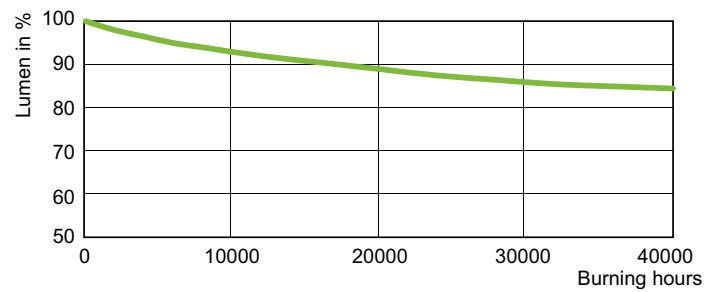
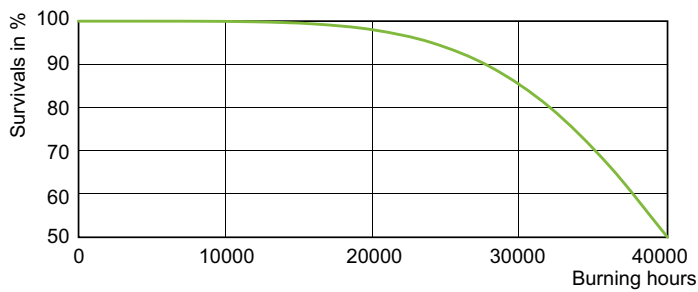
Photometric data



LDLD_SONTAPIA-Light distribution diagram

LDPO_SONTAPIA_0002-Spectral power distribution Colour

Lifetime



LDLE_SONTAPIA_0001-Life expectancy diagram

LDLM_SONTAPIA_0004-Lumen maintenance diagram

