



# MASTER SON-T APIA Plus Xtra

## MASTER SON-T APIA Plus Xtra 250W 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)	28000 h
Life To 10% Failures (Nom)	32000 h
Life to 20% Failures (Nom)	36500 h
Life to 50% Failures (Nom)	45000 h
System Description	External Ignitor (E)
LSF 2000 h Rated	100 %
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	99 %

Flux measurement reference	Sphere
Light technical	
Colour Code	- [ Not Specified]
Luminous Flux (Nom)	33700 lm
Luminous Flux (Rated) (Nom)	33700 lm
Chromaticity Coordinate X (Nom)	0.535
Chromaticity Coordinate Y (Nom)	0.42
Colour Temperature, horizontal (Nom)	2000 K
Luminous Efficacy (rated) (Nom)	132 lm/W
Colour Rendering Index horiz (Max)	25
Colour Rendering Index horiz (Nom)	-
Depreciation 2000 hrs	99 %
LLMF 4000 h Rated	98 %
Depreciation 5000 hrs	97 %
LLMF 8000 h Rated	96 %

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LLMF 12000 h Rated	96 %
LLMF 16000 h Rated	95 %
LLMF 20000 h Rated	94 %
Ratio Scotopic/Photopic Lumens	0.60

## Operating and electrical

Power (Rated) (Nom)	255.0 W
Lamp Current (EM) (Nom)	0.293 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	2800 V
Re-Ignition Time (Min) (Max)	120 s
Ignition Time (Max)	10 s
Voltage (Max)	115 V
Voltage (Min)	85 V
Voltage (Nom)	99 V

## Controls and dimming

Dimmable	Yes
Run-up Time 90% (Max)	5 min

## Mechanical and housing

Bulb Finish	Clear
Bulb Shape	T46 [ T 46mm]

## Approval and application

Energy Efficiency Class	E
Mercury (Hg) Content (Max)	15.1 mg
Mercury (Hg) Content (Nom)	15.1 mg
Energy Consumption kWh/1000 h	255 kWh
EPREL Registration Number	473377

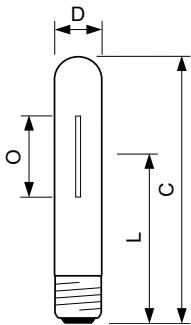
## Luminaire design requirements

Bulb Temperature (Max)	450 °C
Cap-Base Temperature (Max)	250 °C
Cap-Base Temperature (Max)-DUP	482 °F

## Product data

Full product code	872790092737500
Order product name	MASTER SON-T APIA Plus Xtra 250W E40 1SL/12
EAN/UPC - Product	8727900927375
Order code	92737500
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928150419230
Net Weight (Piece)	161.000 g
ILCOS Code	ST-250-H/E-E40

## Dimensional drawing

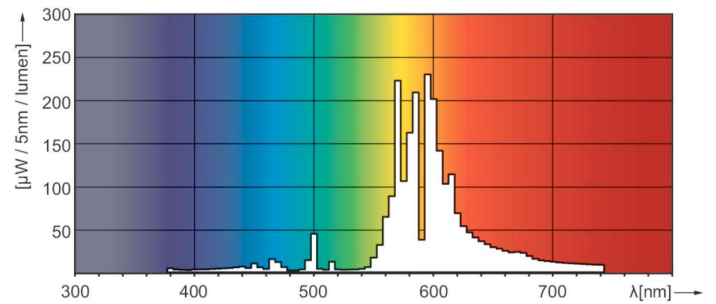
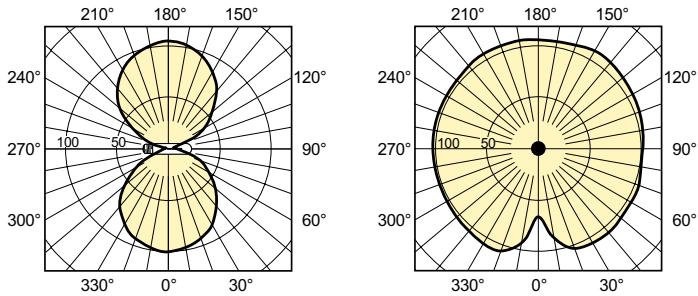


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Product	D (max)	O	L	C (max)
MASTER SON-T APIA Plus Xtra 250W E40 1SL/12	48 mm	65 mm	158 mm	257 mm

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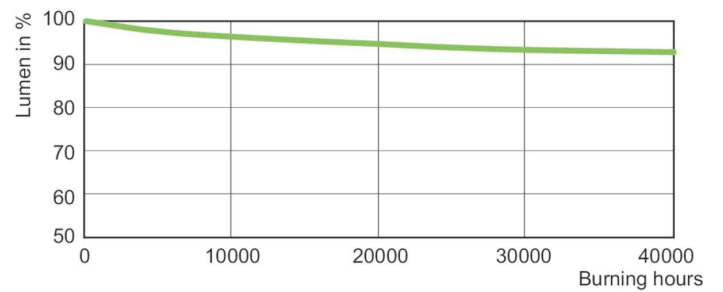
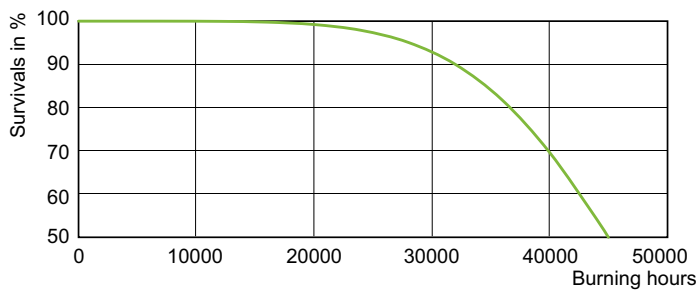
## Photometric data



LDLD\_SONTAPIA-Light distribution diagram

LDPO\_SONTAPIA\_0002-Spectral power distribution Colour

## Lifetime



LDLE\_SONTAPIA\_0005-Life expectancy diagram

LDLM\_SONTAPIA\_0001-Lumen maintenance diagram

