



# 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 %

	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
Correlated Colour Temperature (Nom)	2000 K
Luminous efficacy (rated) (nom.)	132 lm/W
Color rendering index (max.)	25
Colour rendering index (nom.)	-
LLMF 2000 h Rated	99 %
LLMF 4000 h Rated	98 %
LLMF 6000 h Rated	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

Lamp 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/1,000 hours	255 kWh
	473377

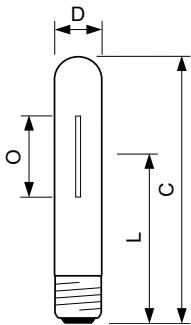
## Luminaire Design Requirements

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

## 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
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928150419230
SAP net weight (piece)	161.000 g
ILCOS code	ST-250-H/E-E40

## Dimensional drawing

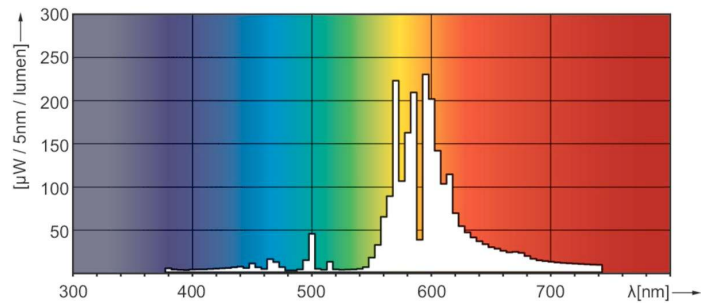
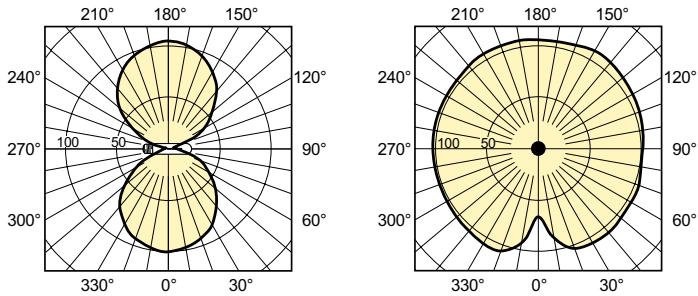


SON-T APIA Plus Xtra 250W E40

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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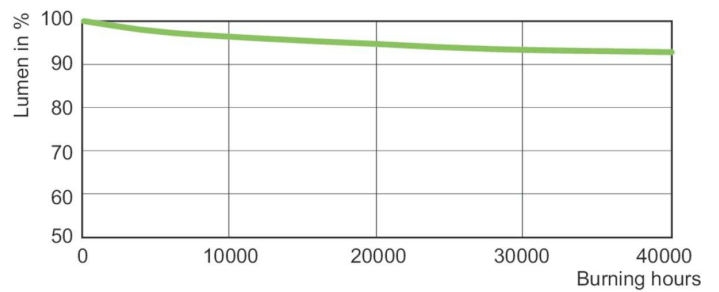
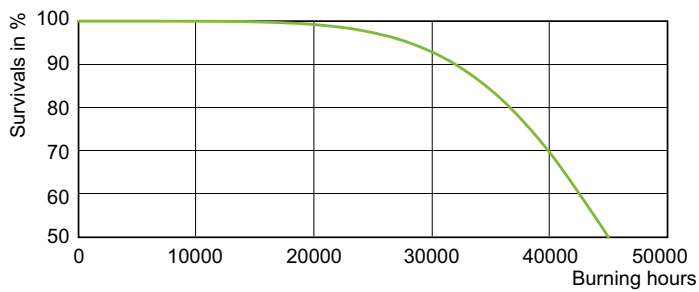
## Photometric data



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

