



# MASTER SON-T APIA Plus Hg Free

MASTER SON-T APIA Plus Hg Free 250W E40 1SL

High-pressure sodium lamp with clear tubular outer bulb, long reliable lifetime and zero mercury

## Product data

### • General Characteristics

System Description	External Ignitor
Cap-Base	E40
Bulb	T46 [T 46mm]
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
Life to 5% failures	20000 hr
Life to 50% failures	38000 hr
LSF EM 2000h Rated, 12h cycle	99 %
LSF EM 4000h Rated, 12h cycle	99 %
LSF EM 6000h Rated, 12h cycle	99 %
LSF EM 8000h Rated, 12h cycle	99 %
LSF EM 12000h Rated,12h cycle	99 %
LSF EM 16000h Rated,12h cycle	98 %
LSF EM 20000h Rated,12h cycle	95 %

### • Light Technical Characteristics

Color Code	221
Color Rendering Index	25 (max) Ra8
Color Temperature	2100 K
Luminous Flux EM 25°C, Rated	32000 Lm
Lum Efficacy Rated EM 25°C	125 Lm/W
LLMF EM 2000h Rated	96 %
LLMF EM 4000h Rated	94 %

LLMF EM 6000h Rated	92 %
LLMF EM 8000h Rated	91 %
LLMF EM 12000h Rated	90 %
LLMF EM 16000h Rated	88 %
LLMF EM 20000h Rated	87 %

### • Electrical Characteristics

Lamp Wattage	250 W
Lamp Wattage EM 25°C, Nominal	250.0 W
Lamp Wattage EM 25°C, Rated	256.0 W
Lamp Voltage	95 V
Lamp Current EM	3 A
Ignition Time	10 (max) s
Run-up time 90%	4 (max) min
Dimmable	Yes
Re-ignition Time [sec]	120 (max) s
Ratio scotopic/ photopic lumens	0.60 -

### • Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	0.0 mg
Energy consumption kWh/1000h	282 kWh

**PHILIPS**

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## • Luminaire Design Requirements

Cap-Base Temperature	250 (max) C
Bulb Temperature	450 (max) C

## • Product Dimensions

Overall Length C	257 (max) mm
Diameter D	47 (max) mm
Light Center Length L	158 mm
Arc Length O	87 mm

## • Product Data

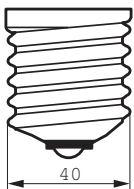
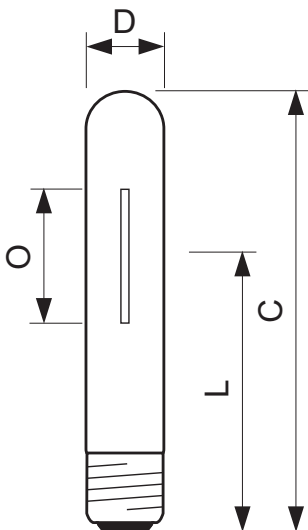
Order code	928199109830
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Full product code	928199109830
Full product name	MASTER SON-T APIA Plus Hg Free 250W E40 1SL
Order product name	MST SON-T APIA Plus Hg Free 250W E40 1SL
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8727900885125
Bar code on outerbox - EAN3	8727900885132
Logistic code(s) - 12NC	928199109830
ILCOS code	ST-250-H/E-E40
Net weight per piece	0.158 kg

## Warnings and Safety

- Control gear must include end-of-life protection (IEC 60662, IEC 62035)

## Dimensional drawing

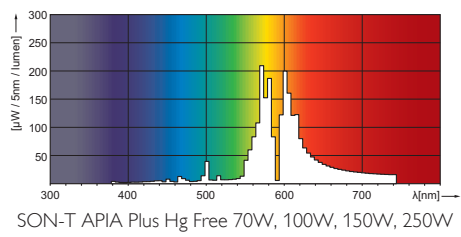


E40

## MASTER SON-T APIA Plus Hg Free 250W E40 1SL

Product	C (Max)	D (Max)	L (Norm)	O (Norm)
SON-T APIA Plus Hg Free 250W E40	257	47	158	87

## Photometric data



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2014, May 2  
data subject to change