



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 Information	
Cap-Base	E40 [E40]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life to 5% Failures (Nom)	20000 h
Life to 50% Failures (Nom)	38000 h
System Description	External Ignitor
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	98 %
LSF 20000 h Rated	95 %
Light Technical	
Color Code	221
Luminous Flux (Rated) (Nom)	32000 lm
Correlated Color Temperature (Nom)	2100 K
Luminous Efficacy (rated) (Nom)	125 lm/W
Color Rendering Index (Max)	25
LLMF 2000 h Rated	96 %
LLMF 4000 h Rated	94 %

LLMF 6000 h Rated	92 %
LLMF 8000 h Rated	91 %
LLMF 12000 h Rated	90 %
LLMF 16000 h Rated	88 %
LLMF 20000 h Rated	87 %
Ratio Scotopic/Photopic Lumens	0.60
Operating and Electrical	
Power (Rated) (Nom)	256.0 W
Lamp Current (EM) (Nom)	3 A
Ignition Peak Voltage (Max)	3300 V
Re-Ignition Time (Min) (Max)	120 s
Ignition Time (Max)	10 s
Voltage (Max)	110 V
Voltage (Min)	80 V
Voltage (Nom)	95 V
Controls and Dimming	
Dimmable	Yes
Run-Up Time 90% (Max)	4 min

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Mechanical and Housing

Bulb Finish Clear

Approval and Application

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

Luminaire Design Requirements

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

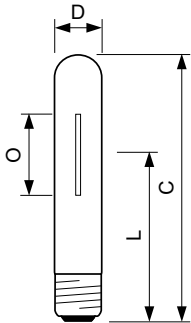
Product Data

Full product code 872790088512500
 Order product name MASTER SON-T APIA Plus Hg Free 250W E40 1SL
 EAN/UPC - Product 8727900885125
 Order code 928199109830
 Numerator - Quantity Per Pack 1
 Numerator - Packs per outer box 12
 Material Nr. (12NC) 928199109830
 Net Weight (Piece) 0.158 kg
 ILCOS Code ST-250-H/E-E40

Warnings and Safety

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

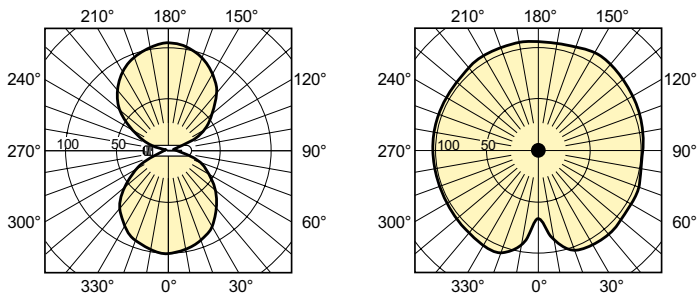
Dimensional drawing



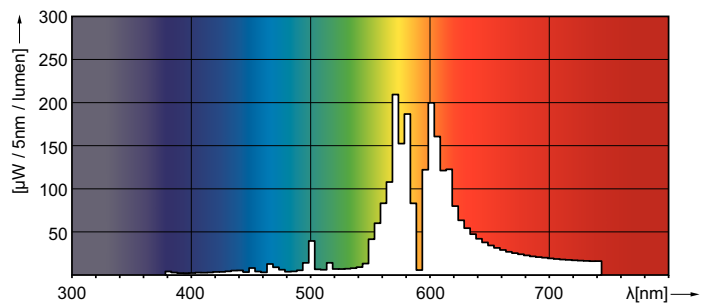
SON-T APIA Plus Hg Free 250W E40

Product	D (max)	O	L	C (max)
MASTER SON-T APIA Plus Hg Free 250W E40 1SL	47 mm	87 mm	158 mm	257 mm

Photometric data



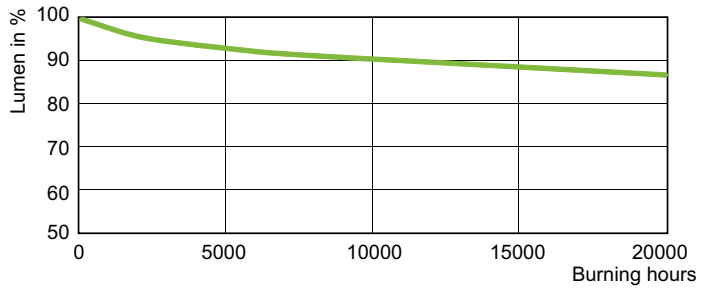
MASTER SON-T APIA Plus Hg-Free & Xtra



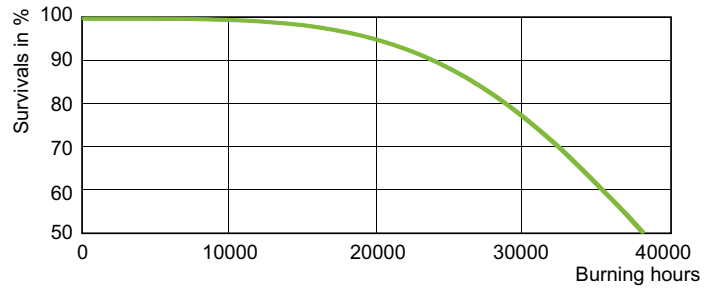
SON-T APIA Plus Hg Free 70W, 100W, 150W, 250W

MASTER SON-T APIA Plus Hg Free

Lifetime



MASTER SON-T APIA Plus Hg-Free 100 W, 250 W, 400 W Lumen Maintenance



MASTER SON-T APIA Plus Hg-Free 100 W - 400 W Life Expectancy

