PHILIPS

Lighting



MASTER SON-T APIA Plus Hg Free

MASTER SON-T APIA Plus Hg Free 400W 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)	54000 lm
Correlated Color Temperature (Nom)	2100 K
Luminous Efficacy (Rated) (Nom)	136 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	97 %
Ratio Scotopic/Photopic Lumens	0.60

Operating and Electrical	
Power (Rated) (Nom)	397.0 W
Lamp Current (EM) (Nom)	4.6 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)	90 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	437 kWh

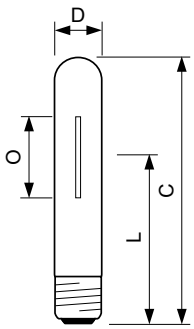
Luminaire Design Requirements	
Bulb Temperature (Max)	450 °C
Cap-Base Temperature (Max)	250 °C

Product Data	
Full product code	872790088514900
Order product name	MASTER SON-T APIA Plus Hg Free 400W E40 1SL
EAN/UPC - Product	8727900885149
Order code	928199209830
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928199209830
Net Weight (Piece)	0.171 kg
ILCOS Code	ST-400-H/E-E40

Warnings and Safety

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

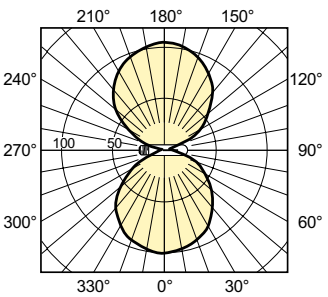
Dimensional drawing

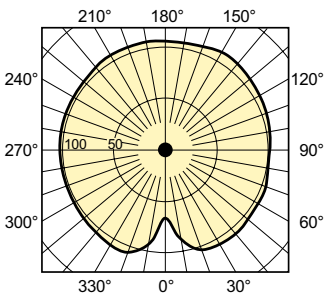


SON-T APIA Plus Hg Free 400W E40

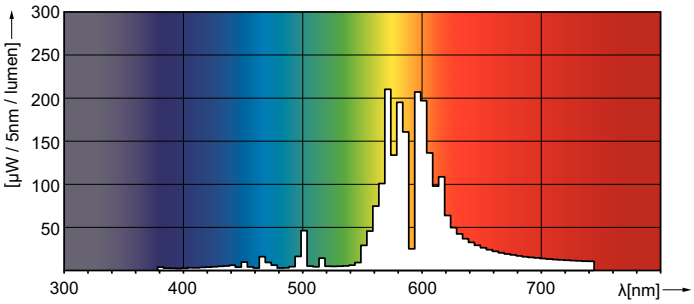
Product	D (max)	O	L	C (max)
MASTER SON-T APIA Plus Hg Free 400W E40 1SL	47 mm	109 mm	175 mm	279 mm

Photometric data





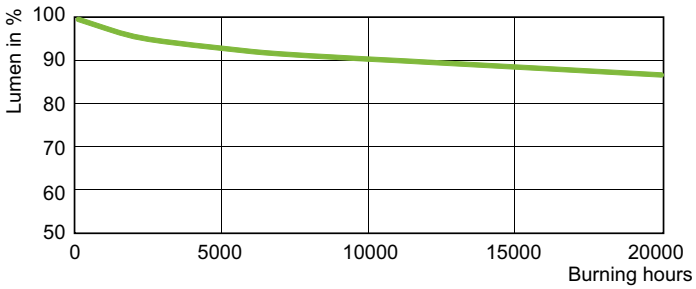
MASTER SON-T APIA Plus Hg-Free & Xtra



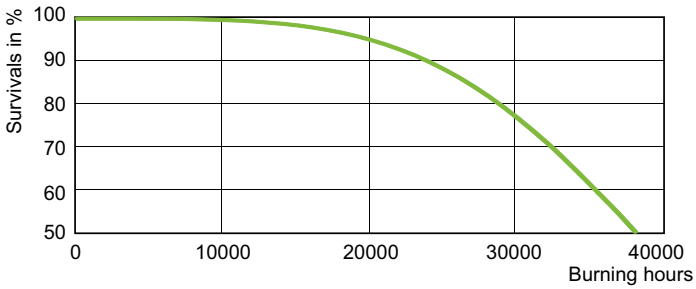
SON-T APIA Plus Hg Free 400W

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

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