PHILIPS

MASTER SON-T APIA Plus Xtra

DSONTAPP



The longest life and most reliable solution in road lighting

High Pressure Sodium lamp with clear tubular outer bulb shape, high output and longest reliable lifetime

Benefits

- Most-cost effective solution (both initial as well as running cost) in this category
- 6 years service life
- Highest lumen output, maintained over life

Applications

- Road and residential lighting
- Decorative floodlighting, illumination
- Industrial area lighting
- Recreational sports facilities indoor and outdoor

Features

- Completely lead-free lamps with tubular outer bulb
- Ceramic discharge tube with new Active Philips Integrated Antenna (APIA) for up to 6 years service lifetime (Xtra)
- Robust construction with few welding points is highly vibration- and shock-resistant, further reducing early failures and extending lamp life

- "Plus" concept with high efficacy for high light output
- Special versions of the 250W and 400W lamps of the MASTER SON(-T) APIA Plus Xtra range are compatible with electronic gear using HF operation of the lamps. HF Control gear requirements (LDi guideline) and lamp performance specifications on HF ballasts can be obtained from the local Philips representative
- 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.

Versions

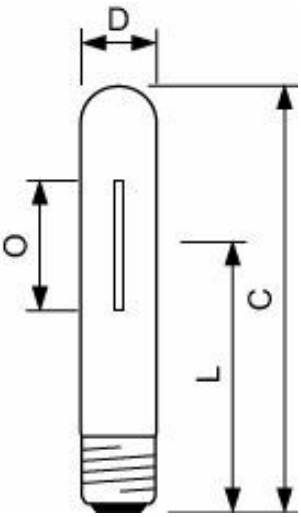


LPPR SONTAPIA Plus-Xtra E27



LPPR SONTAPIA Plus-Xtra E40

Dimensional drawing



Product	D (max)	O	L	C (max)
MST SON-T APIA Plus Xtra 100W E40 1SL/12	48 mm	47 mm	132 mm	210 mm
MST SON-T APIA Plus Xtra 150W E40 1SL/12	48 mm	61 mm	132 mm	210 mm
MST SON-T APIA Plus Xtra 250W E40 1SL/12	48 mm	65 mm	158 mm	257 mm
MST SON-T APIA Plus Xtra 400W E40 1SL/12	48 mm	83 mm	175 mm	283 mm
MST SON-T APIA Plus Xtra 50W E27 1SL/12	36 mm	35 mm	102 mm	156 mm
MST SON-T APIA Plus Xtra 70W E27 1SL/12	36 mm	42 mm	102 mm	156 mm

General Information

Operating Position	UNIVERSAL [Any or Universal (U)]

Light Technical

Chromaticity Coordinate Y (Nom)	0.42
Color rendering index (CRI)	-

Operating and Electrical

Lamp Current (Nom)	1,150 mA

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Bulb Finish	Clear

General Information

Order Code	Full Product Name	Cap-Base
928150019227	MST SON-T APIA Plus Xtra 50W E27 1SL/12	E27
928150119227	MST SON-T APIA Plus Xtra 70W E27 1SL/12	E27
928150219230	MST SON-T APIA Plus Xtra 100W E40 1SL/12	E40
928150319230	MST SON-T APIA Plus Xtra 150W E40 1SL/12	E40
928150419230	MST SON-T APIA Plus Xtra 250W E40 1SL/12	E40
928150519227	MST SON-T APIA Plus Xtra 400W E40 1SL/12	E40

Light Technical

Order Code	Full Product Name	Luminous Flux	Chromaticity Coordinate X (Nom)	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
928150019227	MST SON-T APIA Plus Xtra 50W E27 1SL/12	4,500 lm	0.54	1900 K	83 lm/W
928150119227	MST SON-T APIA Plus Xtra 70W E27 1SL/12	7,200 lm	0.54	1900 K	96 lm/W
928150219230	MST SON-T APIA Plus Xtra 100W E40 1SL/12	11,550 lm	0.535	2000 K	110 lm/W
928150319230	MST SON-T APIA Plus Xtra 150W E40 1SL/12	18,200 lm	0.535	2000 K	118.51 lm/W
928150419230	MST SON-T APIA Plus Xtra 250W E40 1SL/12	33,700 lm	0.535	2000 K	132 lm/W
928150519227	MST SON-T APIA Plus Xtra 400W E40 1SL/12	55,400 lm	0.535	2000 K	140 lm/W

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Voltage (Nom)
928150019227	MST SON-T APIA Plus Xtra 50W E27 1SL/12	54.0 W	86 V
928150119227	MST SON-T APIA Plus Xtra 70W E27 1SL/12	75.0 W	92 V
928150219230	MST SON-T APIA Plus Xtra 100W E40 1SL/12	105 W	108 V
928150319230	MST SON-T APIA Plus Xtra 150W E40 1SL/12	154.0 W	98 V
928150419230	MST SON-T APIA Plus Xtra 250W E40 1SL/12	255.0 W	99 V
928150519227	MST SON-T APIA Plus Xtra 400W E40 1SL/12	397.0 W	98 V

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928150019227	MST SON-T APIA Plus Xtra 50W E27 1SL/12	T35
928150119227	MST SON-T APIA Plus Xtra 70W E27 1SL/12	T35
928150219230	MST SON-T APIA Plus Xtra 100W E40 1SL/12	T46
928150319230	MST SON-T APIA Plus Xtra 150W E40 1SL/12	T46
928150419230	MST SON-T APIA Plus Xtra 250W E40 1SL/12	T46
928150519227	MST SON-T APIA Plus Xtra 400W E40 1SL/12	T46

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)	Energy Consumption kWh/ 1000 h
928150019227	MST SON-T APIA Plus Xtra 50W E27 1SL/12	9.8 mg	9.8 mg	54 kWh
928150119227	MST SON-T APIA Plus Xtra 70W E27 1SL/12	12.2 mg	12.2 mg	75 kWh
928150219230	MST SON-T APIA Plus Xtra 100W E40 1SL/12	14.3 mg	14.3 mg	103 kWh
928150319230	MST SON-T APIA Plus Xtra 150W E40 1SL/12	15.1 mg	15.1 mg	154 kWh
928150419230	MST SON-T APIA Plus Xtra 250W E40 1SL/12	15.1 mg	15.1 mg	255 kWh
928150519227	MST SON-T APIA Plus Xtra 400W E40 1SL/12	19.6 mg	19.6 mg	397 kWh

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