



The longest life and most reliable solution in road lighting

MASTER SON-T APIA Plus Xtra

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

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

Application

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

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Warnings and Safety

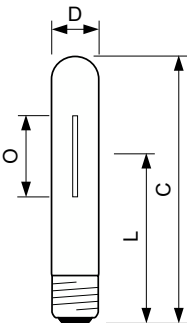
- Control gear must include end-of-life protection (IEC60662, IEC 62035)
- HF gear must comply with Philips LDi guideline
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Versions



LPPR SONTAPIA Plus-Xtra E40

Dimensional drawing



Product	D (max)	O	L	C (max)
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

General Information	
Cap-Base	E40
Operating Position	UNIVERSAL
Light Technical	
Chromaticity Coordinate X (Nom)	0.535
Chromaticity Coordinate Y (Nom)	0.42
Correlated Color Temperature (Nom)	2000 K
Color rendering index (CRI)	-
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	T46

Light Technical

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux
928150319230	MST SON-T APIA Plus Xtra 150W E40 1SL/12	118.51 lm/W	18,200 lm
928150419230	MST SON-T APIA Plus Xtra 250W E40 1SL/12	132 lm/W	33,700 lm
928150519227	MST SON-T APIA Plus Xtra 400W E40 1SL/12	140 lm/W	55,400 lm

MASTER SON-T APIA Plus Xtra

Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928150319230	MST SON-T APIA Plus Xtra 150W E40 1SL/12	98 V	154.0 W
928150419230	MST SON-T APIA Plus Xtra 250W E40 1SL/12	99 V	255.0 W

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928150519227	MST SON-T APIA Plus Xtra 400W E40 1SL/12	98 V	397.0 W

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928150319230	MST SON-T APIA Plus Xtra 150W E40 1SL/12	154 kWh	15.1 mg	15.1 mg
928150419230	MST SON-T APIA Plus Xtra 250W E40 1SL/12	255 kWh	15.1 mg	15.1 mg
928150519227	MST SON-T APIA Plus Xtra 400W E40 1SL/12	397 kWh	19.6 mg	19.6 mg

