



# The highly efficient and most reliable solution in road lighting

## MASTER SON APIA Plus Xtra

High Pressure Sodium lamp with opalized outer bulb, 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

- Ovoid-shaped coated outer bulb
- Ceramic discharge tube with new Active Philips Integrated Antenna (APIA) concept for an improved and prolonged lifetime of up to 6 years
- "Plus" concept with high efficacy translates into high light output and improved lumen maintenance
- Robust construction with few welding points is highly vibration- and shock-resistant, further reducing early failures and extending lamp life
- Dimmable

### 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)
- 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

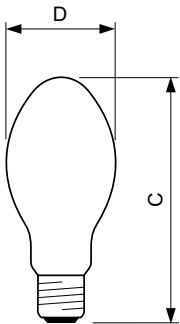


LPPR SON-APIA Plus-Xtra E27



LPPR SON-APIA Plus-Xtra E40

## Dimensional drawing



Product	D (max)	C (max)
MST SON APIA Plus Xtra 100W E40 1SL/12	76 mm	186 mm
MST SON APIA Plus Xtra 150W E40 1SL/12	91 mm	227 mm
MST SON APIA Plus Xtra 250W E40 1SL/12	91 mm	227 mm
MST SON APIA Plus Xtra 50W E27 1SL/24	71 mm	156 mm
MST SON APIA Plus Xtra 70W E27 1SL/24	71 mm	156 mm

General Information	
Operating Position	UNIVERSAL
Light Technical	
Chromaticity Coordinate Y (Nom)	0.42
Color rendering index (CRI)	-
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Finish	Coated glass

## General Information

Order Code	Full Product Name	Cap-Base
928150619835	MST SON APIA Plus Xtra 50W E27 1SL/24	E27

Order Code	Full Product Name	Cap-Base
928150719835	MST SON APIA Plus Xtra 70W E27 1SL/24	E27

# MASTER SON APIA Plus Xtra

Order Code	Full Product Name	Cap-Base
928150819827	MST SON APIA Plus Xtra 100W E40 1SL/12	E40
928150919827	MST SON APIA Plus Xtra 150W E40 1SL/12	E40

Order Code	Full Product Name	Cap-Base
928151019830	MST SON APIA Plus Xtra 250W E40 1SL/12	E40

## Light Technical

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Correlated Color	Luminous Efficacy	Luminous Flux
			Temperature (Nom)	(rated) (Nom)	
928150619835	MST SON APIA Plus Xtra 50W E27 1SL/24	0.54	1900 K	76.47 lm/W	3,900 lm
928150719835	MST SON APIA Plus Xtra 70W E27 1SL/24	0.54	1900 K	89.19 lm/W	6,600 lm
928150819827	MST SON APIA Plus Xtra 100W E40 1SL/12	0.535	2000 K	100 lm/W	10,000 lm

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Correlated Color	Luminous Efficacy	Luminous Flux
			Temperature (Nom)	(rated) (Nom)	
928150919827	MST SON APIA Plus Xtra 150W E40 1SL/12	0.535	2000 K	113.64 lm/W	17,600 lm
928151019830	MST SON APIA Plus Xtra 250W E40 1SL/12	0.535	2000 K	120.77 lm/W	31,400 lm

## Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928150619835	MST SON APIA Plus Xtra 50W E27 1SL/24	81 V	51.0 W
928150719835	MST SON APIA Plus Xtra 70W E27 1SL/24	92 V	74.0 W
928150819827	MST SON APIA Plus Xtra 100W E40 1SL/12	97 V	100.0 W

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928150919827	MST SON APIA Plus Xtra 150W E40 1SL/12	97 V	154.0 W
928151019830	MST SON APIA Plus Xtra 250W E40 1SL/12	96 V	260.0 W

## Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928150619835	MST SON APIA Plus Xtra 50W E27 1SL/24	B70
928150719835	MST SON APIA Plus Xtra 70W E27 1SL/24	B70
928150819827	MST SON APIA Plus Xtra 100W E40 1SL/12	B75

Order Code	Full Product Name	Bulb Shape
928150919827	MST SON APIA Plus Xtra 150W E40 1SL/12	BD90
928151019830	MST SON APIA Plus Xtra 250W E40 1SL/12	BD90

## Approval and Application

Order Code	Full Product Name	Energy Consumption	Mercury (Hg) Content	Mercury (Hg) Content
		kWh/1000 h	(Max)	(Nom)
928150619835	MST SON APIA Plus Xtra 50W E27 1SL/24	51 kWh	9.8 mg	9.8 mg
928150719835	MST SON APIA Plus Xtra 70W E27 1SL/24	74 kWh	12.2 mg	12.2 mg
928150819827	MST SON APIA Plus Xtra 100W E40 1SL/12	100 kWh	14.3 mg	14.3 mg

Order Code	Full Product Name	Energy Consumption	Mercury (Hg) Content	Mercury (Hg) Content
		kWh/1000 h	(Max)	(Nom)
928150919827	MST SON APIA Plus Xtra 150W E40 1SL/12	154 kWh	15.1 mg	15.1 mg
928151019830	MST SON APIA Plus Xtra 250W E40 1SL/12	260 kWh	15.1 mg	15.1 mg

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