



# The most reliable solution in road lighting

## MASTER SON-T PIA Plus

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

### Benefits

- Initial investment saving options with "Plus" concept
- High lumen output, maintained over life
- Minimal maintenance cost

### Features

- Clear tubular outer bulb
- Ceramic discharge tube with Unique Philips Integrated Antenna (PIA) concept enabling long and reliable lifetime
- "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

# MASTER SON-T PIA Plus

## Warnings and Safety

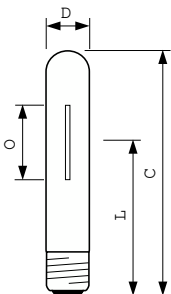
- Control gear must include end-of-life protection (IEC60662, IEC 62035)
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local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

## Versions



LPPR SON-TPIA 0007

## Dimensional drawing



Product	D (max)	O	L	C (max)
MST SON-T PIA Plus 100W/220 E40 1SL/12	48 mm	47 mm	132 mm	210 mm
MST SON-T PIA Plus 150W/220 E40 - 1SL/12	48 mm	61 mm	132 mm	210 mm
MST SON-T PIA Plus 250W E E40 1SL/12	48 mm	64 mm	158 mm	257 mm
MST SON-T PIA Plus 400W E E40 1SL/12	48 mm	83 mm	175 mm	279 mm
MST SON-T PIA Plus 400W E40 1SL/12	48 mm	83 mm	175 mm	279 mm
MST SON-T PIA Plus 600W/220 E40 1SL/12	47 mm	126 mm	174.2 mm	279 mm
MST SON-T PIA Plus 70W/220 E27 1SL/12	36 mm	42 mm	104 mm	156 mm

### General Information

Operating Position UNIVERSAL

### Light Technical

Color rendering index (CRI) -

### Mechanical and Housing

Bulb Finish Clear

## General Information

Order Code	Full Product Name	Cap-Base
928144709230	MST SON-T PIA Plus 250W E E40 1SL/12	E40
928144809227	MST SON-T PIA Plus 400W E E40 1SL/12	E40
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	E40
928150909230	MST SON-T PIA Plus 150W/220 E40 - 1SL/12	E40

Order Code	Full Product Name	Cap-Base
928151709230	MST SON-T PIA Plus 100W/220 E40 1SL/12	E40
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	E40
928152700028	MST SON-T PIA Plus 70W/220 E27 1SL/12	E27

## Light Technical

# MASTER SON-T PIA Plus

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Color	Luminous Efficacy (rated)	Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)	Temperature (Nom)	(Nom)	
928144709230	MST SON-T PIA Plus 250W E E40 1SL/12	0.535	0.420	2000 K	125 lm/W	33,000 lumen
928144809227	MST SON-T PIA Plus 400W E E40 1SL/12	0.535	0.42	2000 K	137 lm/W	55,900 lumen
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	0.535	0.42	2000 K	137 lm/W	55,900 lumen
928150909230	MST SON-T PIA Plus 150W/220 E40 - 1SL/12	0.535	0.42	2000 K	115.16 lm/W	17,800 lumen
928151709230	MST SON-T PIA Plus 100W/220 E40 1SL/12	0.535	0.42	2000 K	105 lm/W	10,600 lumen
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	0.530	0.428	2000 K	149 lm/W	-
928152700028	MST SON-T PIA Plus 70W/220 E27 1SL/12	0.54	0.42	1900 K	90 lm/W	6,600 lumen

## Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928144709230	MST SON-T PIA Plus 250W E E40 1SL/12	109 V	264 W
928144809227	MST SON-T PIA Plus 400W E E40 1SL/12	105 V	408.0 W
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	105 V	408.0 W
928150909230	MST SON-T PIA Plus 150W/220 E40 - 1SL/12	104 V	155.0 W

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928151709230	MST SON-T PIA Plus 100W/220 E40 1SL/12	100 V	101.0 W
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	110 V	603 W
928152700028	MST SON-T PIA Plus 70W/220 E27 1SL/12	92 V	73.0 W

## Controls and Dimming

Order Code	Full Product Name	Dimmable
928144709230	MST SON-T PIA Plus 250W E E40 1SL/12	Yes
928144809227	MST SON-T PIA Plus 400W E E40 1SL/12	Yes
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	Yes
928150909230	MST SON-T PIA Plus 150W/220 E40 - 1SL/12	Yes

Order Code	Full Product Name	Dimmable
928151709230	MST SON-T PIA Plus 100W/220 E40 1SL/12	Yes
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	No
928152700028	MST SON-T PIA Plus 70W/220 E27 1SL/12	Yes

## Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928144709230	MST SON-T PIA Plus 250W E E40 1SL/12	T46
928144809227	MST SON-T PIA Plus 400W E E40 1SL/12	T46
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	T46
928150909230	MST SON-T PIA Plus 150W/220 E40 - 1SL/12	T46

Order Code	Full Product Name	Bulb Shape
928151709230	MST SON-T PIA Plus 100W/220 E40 1SL/12	T46
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	T46
928152700028	MST SON-T PIA Plus 70W/220 E27 1SL/12	T35

## Approval and Application

Order Code	Full Product Name	Energy	Mercury	Mercury
		Consumption kWh/1000 h	(Hg) Content (Max)	(Hg) Content (Nom)
928144709230	MST SON-T PIA Plus 250W E E40 1SL/12	257 kWh	15.1 mg	15.1 mg
928144809227	MST SON-T PIA Plus 400W E E40 1SL/12	408 kWh	19.6 mg	20 mg
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	408 kWh	19.6 mg	20 mg

Order Code	Full Product Name	Energy	Mercury	Mercury
		Consumption kWh/1000 h	(Hg) Content (Max)	(Hg) Content (Nom)
928150909230	MST SON-T PIA Plus 150W/220 E40 - 1SL/12	155 kWh	15.1 mg	15 mg
928151709230	MST SON-T PIA Plus 100W/220 E40 1SL/12	101 kWh	16.3 mg	16.3 mg
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	663 kWh	-	18.9 mg

# MASTER SON-T PIA Plus

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928152700028	MST SON-T PIA Plus 70W/220 E27 1SL/12	73 kWh	12.2 mg	12.2 mg

