



# Product Description

## 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
- Superior technology results in a long and reliable lifetime, high lumen maintenance and a reliable ignition over lifetime
- High lumen output, maintained over life
- High energy efficacy and absence of lead (Pb) makes this a sound environmental offer
- Minimal maintenance cost
- High luminous efficacy makes this the most energy efficient HPS lamp

### Features

- Clear tubular outer bulb
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- Ceramic discharge tube with Unique Philips Integrated Antenna (PIA) concept enabling long and reliable lifetime
- Ceramic discharge tube with Philips Integrated Antenna (PIA) for a 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
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- ZrCo getter ensures high lumen maintenance and few early failures
- Dimmable
- "Plus" concept with high efficacy translated into high light output
- Completely lead-free lamps

# MASTER SON-T PIA Plus

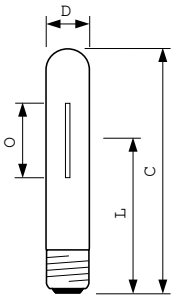
## Application

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

## Warnings and Safety

- Control gear must include end-of-life protection (IEC60662, IEC 62035)
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- 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.
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## Dimensional drawing



Product	D (max)	O	L	C (max)
MST SON-T PIA Plus 250W E40 1SL/12	48 mm	64 mm	158 mm	257 mm
MST SON-T PIA Plus 400W E40 1SL/12	48 mm	83 mm	175 mm	279 mm

General Information	
Cap-Base	E40
Operating Position	UNIVERSAL
Light Technical	
Chromaticity Coordinate X (Nom)	0.535
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	Chromaticity	Luminous Efficacy	
		Coordinate Y (Nom)	(rated) (Nom)	Luminous Flux
928144709293	MST SON-T PIA Plus 250W E40 1SL/12	0.420	125 lm/W	33,000 lm
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	0.42	137 lm/W	55,900 lm

## Operating and Electrical

MASTER SON-T PIA Plus

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928144709293	MST SON-T PIA Plus 250W E40 1SL/12	102 V	264 W

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	105 V	408.0 W

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928144709293	MST SON-T PIA Plus 250W E40 1SL/12	257 kWh	15.1 mg	15.1 mg
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	408 kWh	19.6 mg	20 mg

