



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

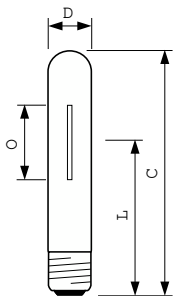
Application

- 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 150W E40 1SL/12	47 mm	61 mm	132 mm	209 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 E40 1SL/12	48 mm	83 mm	175 mm	279 mm
SON-T PIA PLUS 250W E E40 1SL/12	48 mm	64 mm	158 mm	257 mm

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

Light Technical

MASTER SON-T PIA Plus

Order Code	Full Product Name	Chromaticity	Luminous Efficacy (rated) (Nom)
		Coordinate Y (Nom)	
928144709230	MST SON-T PIA Plus 250W E E40 1SL/12	0.420	125 lm/W
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	0.420	125 lm/W

Order Code	Full Product Name	Chromaticity	Luminous Efficacy (rated) (Nom)
		Coordinate Y (Nom)	
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	0.42	137 lm/W
928483400095	MST SON-T PIA Plus 150W E40 1SL/12	0.42	115 lm/W

Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)
928144709230	MST SON-T PIA Plus 250W E E40 1SL/12	109 V
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	102 V

Order Code	Full Product Name	Voltage (Nom)
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	105 V
928483400095	MST SON-T PIA Plus 150W E40 1SL/12	100 V

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
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	286 kWh	-	15.1 mg
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	408 kWh	19.6 mg	20 mg
928483400095	MST SON-T PIA Plus 150W E40 1SL/12	155 kWh	15.1 mg	13.9 mg

