



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
- Clear tubular outer bulb
- 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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Versions

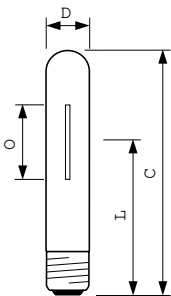


LPPR SON-TPIA Plus E40



LPPR SON-TPIA 0007

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
MSTSON-TPIA Plus 70W E27 1CT/12	35.75 mm	42 mm	102 mm	156 mm

MASTER SON-T PIA Plus

General Information	
Operating Position	UNIVERSAL
Light Technical	
Color rendering index (CRI)	-
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Finish	Clear

General Information

Order Code	Full Product Name	Cap-Base	Order Code	Full Product Name	Cap-Base
928144709293	MST SON-T PIA Plus 250W E40 1SL/12	E40	928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	E27
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	E40			

Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Color	Luminous Efficacy (rated)	Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)	Temperature (Nom)	(Nom)	
928144709293	MST SON-T PIA Plus 250W E40 1SL/12	0.535	0.420	2000 K	125 lm/W	33,000 lm
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	0.535	0.42	2000 K	137 lm/W	55,900 lm
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	0.54	0.42	1900 K	91 lm/W	6,650 lm

Operating and Electrical

Order Code	Full Product Name	Voltage	Power
		(Nom)	Consumption
928144709293	MST SON-T PIA Plus 250W E40 1SL/12	102 V	264 W
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	105 V	408.0 W

Order Code	Full Product Name	Voltage	Power
		(Nom)	Consumption
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	93 V	74.0 W

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape	Order Code	Full Product Name	Bulb Shape
928144709293	MST SON-T PIA Plus 250W E40 1SL/12	T46	928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	T35
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	T46			

Approval and Application

Order Code	Full Product Name	Energy	Mercury	Mercury
		Consumption kWh/1000 h	(Hg) Content (Max)	(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

Order Code	Full Product Name	Energy	Mercury	Mercury
		Consumption kWh/1000 h	(Hg) Content (Max)	(Hg) Content (Nom)
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	73 kWh	12.2 mg	12.2 mg

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