



Product Description

MASTER SON-T PIA Plus

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

Benefits

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

Features

- Clear tubular outer bulb
- Ceramic discharge tube with Philips Integrated Antenna (PIA) for a long and reliable lifetime
- Robust construction with few welding points is highly vibration- and shock-resistant, further reducing early failures and extending lamp life
- ZrCo getter ensures high lumen maintenance and few early failures
- "Plus" concept with high efficacy translated into high light output
- Completely lead-free lamps

Application

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

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.

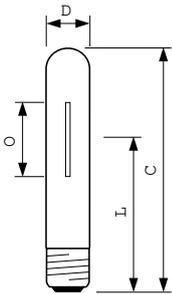
MASTER SON-T PIA Plus

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 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
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)	-
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Finish	Clear

General Information

Order Code	Full Product Name	Cap-Base
928144709293	MST SON-T PIA Plus 250W E40 1SL/12	E40
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	E40

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

Light Technical

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
928144709293	MST SON-T PIA Plus 250W E40 1SL/12	0.535	0.420	2000 K	125 lm/W	33,000 lm

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)	
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	0.535	0.42	2000 K	137 lm/W	55,900 lm
928151709230	MST SON-T PIA Plus 100W/220 E40 1SL/12	0.535	0.42	2000 K	105 lm/W	10,600 lm
928152700028	MST SON-T PIA Plus 70W/220 E27 1SL/12	0.54	0.42	1900 K	90 lm/W	6,650 lm

Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power 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 (Nom)	Power Consumption
928151709230	MST SON-T PIA Plus 100W/220 E40 1SL/12	100 V	101.0 W
928152700028	MST SON-T PIA Plus 70W/220 E27 1SL/12	92 V	74 W

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928144709293	MST SON-T PIA Plus 250W E40 1SL/12	T46
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	T46

Order Code	Full Product Name	Bulb Shape
928151709230	MST SON-T PIA Plus 100W/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 Consumption kWh/1000 h	Mercury Content (Hg) (Max)	Mercury Content (Hg) (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
928151709230	MST SON-T PIA Plus 100W/220 E40 1SL/12	101 kWh	16.3 mg	16.3 mg
928152700028	MST SON-T PIA Plus 70W/220 E27 1SL/12	73 kWh	12.2 mg	12.2 mg

