



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

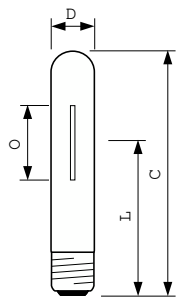
- Road and residential lighting
- Decorative floodlighting, illumination
- Industrial area lighting
- Recreational sports facilities Outdoor and Indoor
- Horticultural lighting

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

Dimensional drawing



Product	D (max)	O	L	C (max)
MST SON-T PIA Plus 100W E40 1SL/12	47 mm	47 mm	132 mm	209 mm
MST SON-T PIA Plus 150W E40 1SL/12	47 mm	61 mm	132 mm	209 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 50W/220 E27 1SL/12	36 mm	35 mm	104 mm	156 mm
MST SON-T PIA Plus 600W/220 E40 1SL/12	47 mm	126 mm	174.2 mm	279 mm
MSTSON-TPIA Plus 70W E27 1CT/12	35.75 mm	42 mm	102 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
928144709293	MST SON-T PIA Plus 250W E40 1SL/12	E40
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	E40
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	E40
928483300095	MST SON-T PIA Plus 100W E40 1SL/12	E40

Order Code	Full Product Name	Cap-Base
928483400095	MST SON-T PIA Plus 150W E40 1SL/12	E40
928151900028	MST SON-T PIA Plus 50W/220 E27 1SL/12	E27
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	E27

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
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	0.530	0.428	2000 K	149 lm/W	-
928483300095	MST SON-T PIA Plus 100W E40 1SL/12	0.535	0.42	2000 K	105 lm/W	10,600 lm
928483400095	MST SON-T PIA Plus 150W E40 1SL/12	0.535	0.42	2000 K	115 lm/W	17,800 lm
928151900028	MST SON-T PIA Plus 50W/220 E27 1SL/12	0.54	0.42	1900 K	83 lm/W	4,500 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 (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
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	110 V	603 W
928483300095	MST SON-T PIA Plus 100W E40 1SL/12	100 V	101.0 W

MASTER SON-T PIA Plus

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928483400095	MST SON-T PIA Plus 150W E40 1SL/12	100 V	155.0 W
928151900028	MST SON-T PIA Plus 50W/220 E27 1SL/12	91 V	54.5 W

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

Controls and Dimming

Order Code	Full Product Name	Dimmable
928144709293	MST SON-T PIA Plus 250W E40 1SL/12	Yes
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	Yes
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	No
928483300095	MST SON-T PIA Plus 100W E40 1SL/12	Yes

Order Code	Full Product Name	Dimmable
928483400095	MST SON-T PIA Plus 150W E40 1SL/12	Yes
928151900028	MST SON-T PIA Plus 50W/220 E27 1SL/12	Yes
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	Yes

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
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	T46
928483300095	MST SON-T PIA Plus 100W E40 1SL/12	T46

Order Code	Full Product Name	Bulb Shape
928483400095	MST SON-T PIA Plus 150W E40 1SL/12	T46
928151900028	MST SON-T PIA Plus 50W/220 E27 1SL/12	T35
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	T35

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
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	663 kWh	-	18.9 mg
928483300095	MST SON-T PIA Plus 100W E40 1SL/12	101 kWh	16.3 mg	14.3 mg
928483400095	MST SON-T PIA Plus 150W E40 1SL/12	155 kWh	15.1 mg	13.9 mg
928151900028	MST SON-T PIA Plus 50W/220 E27 1SL/12	55 kWh	9.8 mg	9.8 mg

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

