



The most reliable solution in road lighting

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
- High lumen output, maintained over life
- Minimal maintenance cost

Features

- Clear tubular outer bulb
- Ceramic discharge tube with Unique Philips Integrated Antenna (PIA) concept enabling 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
- Dimmable

Application

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

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Warnings and Safety

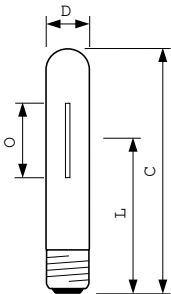
- Control gear must include end-of-life protection (IEC60662, IEC 62035)
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Versions



LPPR SON-TPIA 0007

Dimensional drawing



Product	D (max)	O	L	C (max)
MST SON-T PIA Plus 150W/220 E40 - 1SL/12	48 mm	61 mm	132 mm	210 mm
MST SON-T PIA Plus 400W E 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

General Information	
Operating Position	UNIVERSAL
Light Technical	
Chromaticity Coordinate Y (Nom)	0.42
Color rendering index (CRI)	-
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Finish	Clear

General Information

Order Code	Full Product Name	Cap-Base
928144809227	MST SON-T PIA Plus 400W E E40 1SL/12	E40
928150909230	MST SON-T PIA Plus 150W/220 E40 - 1SL/12	E40

Order Code	Full Product Name	Cap-Base
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	E27

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Light Technical

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Correlated Color	Luminous Efficacy	Luminous Flux
			Temperature (Nom)	(rated) (Nom)	
928144809227	MST SON-T PIA Plus 400W E E40 1SL/12	0.535	2000 K	137 lm/W	55,900 lm
928150909230	MST SON-T PIA Plus 150W/220 E40 - 1SL/12	0.535	2000 K	115.16 lm/W	17,800 lm

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Correlated Color	Luminous Efficacy	Luminous Flux
			Temperature (Nom)	(rated) (Nom)	
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	0.54	1900 K	91 lm/W	6,650 lm

Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928144809227	MST SON-T PIA Plus 400W E E40 1SL/12	105 V	408.0 W
928150909230	MST SON-T PIA Plus 150W/220 E40 - 1SL/12	104 V	155.0 W

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

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928144809227	MST SON-T PIA Plus 400W E E40 1SL/12	T46
928150909230	MST SON-T PIA Plus 150W/220 E40 - 1SL/12	T46

Order Code	Full Product Name	Bulb Shape
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	T35

Approval and Application

Order Code	Full Product Name	Energy	Mercury	Mercury
		Consumption kWh/1000 h	(Hg) Content (Max)	(Hg) Content (Nom)
928144809227	MST SON-T PIA Plus 400W E E40 1SL/12	408 kWh	19.6 mg	20 mg
928150909230	MST SON-T PIA Plus 150W/220 E40 - 1SL/12	155 kWh	15.1 mg	15 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

