



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
- $\cdot \ \mathsf{Decorative} \ \mathsf{floodlighting}, \ \mathsf{illumination}$
- · 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.

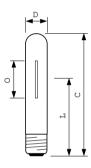
MASTER SON-T PIA Plus

Versions



LPPR SON-TPIA 0007

Dimensional drawing



Product	D (max)	0	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 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)	
Cotor rendering index (CRI)	
Mechanical and Housing	
Bulb Finish	Clear

General Information

Order Code	Full Product Name	Cap-Base
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	E40
928483400095	MST SON-T PIA Plus 150W E40 1SL/12	E40

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

Light Technical

		Chromaticity	Chromaticity	Correlated Color	Luminous Efficacy (rated)	
Order Code	Full Product Name	Coordinate X (Nom)	Coordinate Y (Nom)	Temperature (Nom)	(Nom)	Luminous Flux
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	0.530	0.428	2000 K	149 lm/W	-
928483400095	MST SON-T PIA Plus 150W E40 1SL/12	0.535	0.42	2000 K	115 lm/W	17,800 lm
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	0.54	0.42	1900 K	91 lm/W	6,650 lm

MASTER SON-T PIA Plus

Operating and Electrical

		Voltage	Power
Order Code	Full Product Name	(Nom)	Consumption
928158409227	MST SON-T PIA Plus 600W/220	110 V	603 W
	E40 1SL/12		
928483400095	MST SON-T PIA Plus 150W E40	100 V	155.0 W
	1SL/12		

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

Controls and Dimming

Order Code	Full Product Name	Dimmable
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	No
928483400095	MST SON-T PIA Plus 150W E40 1SL/12	Yes

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

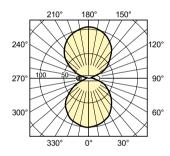
Mechanical and Housing

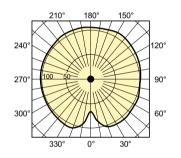
Order Code	Full Product Name	Bulb Shape
928158409227	MST SON-T PIA Plus 600W/220 E40 1SL/12	T46
928483400095	MST SON-T PIA Plus 150W E40 1SL/12	T46

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

Approval and Application

Energy				Mercury	Mercury
Order Code Full Product Name kWh/1000 h (Max) (Nom) 928158409227 MST SON-T PIA Plus 663 kWh - 18.9 mg 600W/220 E40 1SL/12 155 kWh 15.1 mg 13.9 mg 150W E40 1SL/12 73 kWh 12.2 mg 12.2 mg			Energy	(Hg)	(Hg)
928158409227 MST SON-T PIA Plus 663 kWh - 18.9 mg 600W/220 E40 ISL/12 928483400095 MST SON-T PIA Plus 155 kWh 15.1 mg 13.9 mg 150W E40 ISL/12 928483200094 MSTSON-TPIA Plus 73 kWh 12.2 mg 12.2 mg			Consumption	Content	Content
600W/220 E40 1SL/12 928483400095 MST SON-T PIA Plus 155 kWh 15.1 mg 13.9 mg 150W E40 1SL/12 928483200094 MSTSON-TPIA Plus 73 kWh 12.2 mg 12.2 mg	Order Code	Full Product Name	kWh/1000 h	(Max)	(Nom)
928483400095 MST SON-T PIA Plus 155 kWh 15.1 mg 13.9 mg 150W E40 1SL/12 928483200094 MSTSON-TPIA Plus 73 kWh 12.2 mg 12.2 mg	928158409227	MST SON-T PIA Plus	663 kWh	-	18.9 mg
150W E40 1SL/12 928483200094 MSTSON-TPIA Plus 73 kWh 12.2 mg 12.2 mg		600W/220 E40 1SL/12			
928483200094 MSTSON-TPIA Plus 73 kWh 12.2 mg 12.2 mg	928483400095	MST SON-T PIA Plus	155 kWh	15.1 mg	13.9 mg
		150W E40 1SL/12			
70W F27 1CT/12	928483200094	MSTSON-TPIA Plus	73 kWh	12.2 mg	12.2 mg
7011 227 1217 12		70W E27 1CT/12			







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