# **PHILIPS** Lighting



## **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
- $\cdot$  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
- $\cdot$  Dimmable
- $\cdot$  "Plus" concept with high efficacy translated into high light output
- Completely lead-free lamps

#### **MASTER SON-T PIA Plus**

#### Application

- Road and residential lighting
- $\cdot$  Road and residential lighting
- $\cdot$  Decorative floodlighting, illumination
- $\cdot$  Decorative floodlighting, illumination
- Industrial area lighting
- $\cdot$  Industrial area lighting
- $\cdot$  Recreational sports facilities indoor and outdoor
- Recreational sports facilities Outdoor and Indoor
- Horticultural lighting

#### Warnings and Safety

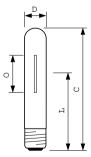
- Control gear must include end-of-life protection (IEC60662, IEC 62035)
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- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put 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

#### 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 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

#### **MASTER SON-T PIA Plus**

General Information	
Cap-Base	E40
Operating Position	UNIVERSAL
Light Technical	
Chromaticity Coordinate X (Nom)	0.535
Correlated Color Temperature (Nom)	2000 K
Color rendering index (CRI)	-
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	T46

#### Light Technical

	Chromaticity		
	Coordinate Y	Luminous Efficacy	
ull Product Name	(Nom)	(rated) (Nom)	Luminous Flux
ST SON-T PIA Plus 250W E40	0.420	125 lm/W	33,000 lm
L/12			
ST SON-T PIA Plus 400W E40	0.42	137 lm/W	55,900 lm
L/12			
ST SON-T PIA Plus 150W E40	0.42	115 lm/W	17,800 lm
L/12			
	Il Product Name ST SON-T PIA Plus 250W E40 ./12 ST SON-T PIA Plus 400W E40 ./12 ST SON-T PIA Plus 150W E40	Il Product Name (Nom) ST SON-T PIA Plus 250W E40 0.420 /12 ST SON-T PIA Plus 400W E40 0.42 /12 ST SON-T PIA Plus 150W E40 0.42	It Product Name  (Nom)  (rated) (Nom)    ST SON-T PIA Plus 250W E40  0.420  125 lm/W    ./12

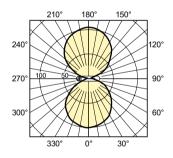
#### **Operating and Electrical**

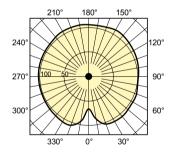
		Voltage	Power
Order Code	Full Product Name	(Nom)	Consumption
928144709293	MST SON-T PIA Plus 250W E40 1SL/12	102 V	264 W
928144809293	MST SON-T PIA Plus 400W E40 1SL/12	105 V	408.0 W

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

#### Approval and Application

		Energy	Mercury	Mercury
		Consumption	(Hg) Content	(Hg) Content
Order Code	Full Product Name	kWh/1000 h	(Max)	(Nom)
928144709293	MST SON-T PIA Plus	257 kWh	15.1 mg	15.1 mg
	250W E40 1SL/12			
928144809293	MST SON-T PIA Plus	408 kWh	19.6 mg	20 mg
	400W E40 1SL/12			
928483400095	MST SON-T PIA Plus	155 kWh	15.1 mg	13.9 mg
	150W E40 1SL/12			







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