



Product Description

MASTER SON PIA Plus

High Pressure Sodium lamp with opalized ovoid outer bulb, high output and long reliable lifetime

Benefits

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

Features

- Ovoid, white coated outer bulb
- Ovoid, internally white coated 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
- "Plus" concept with high efficacy translated into high light output
- Completely lead-free lamps

MASTER SON PIA Plus

Application

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

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

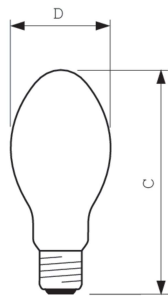


LPPR SON-PIA Plus E40



LPPR SON-PIA 0002

Dimensional drawing



Product	D (max)	C (max)
MASTER SON PIA Plus 250W/220 E40 1SL/12	91 mm	227 mm
MASTER SON PIA Plus 70W/220 I E27 1CT/24	70 mm	152 mm

MASTER SON PIA Plus

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	Coated glass

General Information

Order Code	Full Product Name	Cap-Base
928153309830	MASTER SON PIA Plus 250W/220 E40 1SL/12	E40

Order Code	Full Product Name	Cap-Base
928150008835	MASTER SON PIA Plus 70W/220 I E27 1CT/24	E27

Light Technical

Order Code	Full Product Name	Chromaticity	Correlated	Luminous	Luminous
		Coordinate X (Nom)	Color Temperature (Nom)	Efficacy (rated) (Nom)	
928153309830	MASTER SON PIA Plus 250W/220 E40 1SL/12	0.535	2000 K	120 lm/W	30,000 lm
928150008835	MASTER SON PIA Plus	0.54	1900 K	80 lm/W	5,750 lm

Order Code	Full Product Name	Chromaticity	Correlated	Luminous	Luminous
		Coordinate X (Nom)	Color Temperature (Nom)	Efficacy (rated) (Nom)	
	70W/220 I E27 1CT/24				

Operating and Electrical

Order Code	Full Product Name	Voltage	Power
		(Nom)	Consumption
928153309830	MASTER SON PIA Plus 250W/220 E40 1SL/12	96 V	250.0 W

Order Code	Full Product Name	Voltage	Power
		(Nom)	Consumption
928150008835	MASTER SON PIA Plus 70W/220 I E27 1CT/24	92 V	71.5 W

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928153309830	MASTER SON PIA Plus 250W/220 E40 1SL/12	BD90

Order Code	Full Product Name	Bulb Shape
928150008835	MASTER SON PIA Plus 70W/220 I E27 1CT/24	B70

Approval and Application

Order Code	Full Product Name	Energy	Mercury	Mercury
		Consumption kWh/1000 h	(Hg) Content (Max)	(Hg) Content (Nom)
928153309830	MASTER SON PIA Plus 250W/220 E40 1SL/12	250 kWh	15.1 mg	15.1 mg

Order Code	Full Product Name	Energy	Mercury	Mercury
		Consumption kWh/1000 h	(Hg) Content (Max)	(Hg) Content (Nom)
928150008835	MASTER SON PIA Plus 70W/220 I E27 1CT/24	72 kWh	16.3 mg	16.3 mg

