PHILIPS

MASTER SON PIA Plus

DSONPIP



The most reliable solution in road lighting

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
- Long and reliable lifetime reducing maintenance cost
- Constant light over lifetime

Applications

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

Features

- Ovoid, white coated 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

- 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

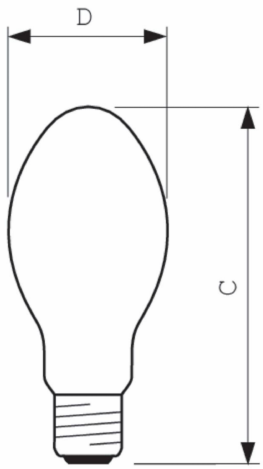


LPPR SON-PIA Plus E40



LPPR SON-PIA 0002

Dimensional drawing



Product	D (max)	C (max)
MASTER SON PIA Plus 100W/220 E40 1SL/12	76 mm	186 mm
MASTER SON PIA Plus 150W/220 E40 1SL/12	91 mm	227 mm
MASTER SON PIA Plus 250W/220 E40 1SL/12	91 mm	227 mm
MASTER SON PIA Plus 400W/220 E40 1SL/12	122 mm	290 mm
MASTER SON PIA Plus 50W E27	71 mm	156 mm
MASTER SON PIA Plus 70W E27	71 mm	156 mm
MASTER SON PIA Plus 70W/220 I E27 1CT/24	70 mm	152 mm

General Information

Operating Position	UNIVERSAL [Any or Universal (U)]

Light Technical

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
928151409827	MASTER SON PIA Plus 150W/220 E40 1SL/12	E40
928151608827	MASTER SON PIA Plus 100W/220 E40 1SL/12	E40
928153309830	MASTER SON PIA Plus 250W/220 E40 1SL/12	E40
928153409830	MASTER SON PIA Plus 400W/220 E40 1SL/12	E40
928061009835	MASTER SON PIA Plus 70W E27	E27
928061109835	MASTER SON PIA Plus 50W E27	E27
928150008835	MASTER SON PIA Plus 70W/220 I E27 1CT/24	E27

Light Technical

Order Code	Full Product Name	Luminous Flux	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
928151409827	MASTER SON PIA Plus 150W/220 E40 1SL/12	16,600 lm	0.535	0.42	2000 K	107.79 lm/W
928151608827	MASTER SON PIA Plus 100W/220 E40 1SL/12	9,600 lm	0.535	0.42	2000 K	95 lm/W
928153309830	MASTER SON PIA Plus 250W/220 E40 1SL/12	30,000 lm	0.535	0.42	2000 K	120 lm/W
928153409830	MASTER SON PIA Plus 400W/220 E40 1SL/12	55,600 lm	0.535	0.42	2000 K	136.27 lm/W
928061009835	MASTER SON PIA Plus 70W E27	6,000 lm	0.54	0.42	1900 K	83.33 lm/W
928061109835	MASTER SON PIA Plus 50W E27	3,700 lm	0.540	0.420	1900 K	71 lm/W
928150008835	MASTER SON PIA Plus 70W/220 I E27 1CT/24	5,750 lm	0.54	0.42	1900 K	80 lm/W

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Voltage (Nom)
928151409827	MASTER SON PIA Plus 150W/220 E40 1SL/12	154.0 W	100 V
928151608827	MASTER SON PIA Plus 100W/220 E40 1SL/12	101.0 W	100 V
928153309830	MASTER SON PIA Plus 250W/220 E40 1SL/12	250.0 W	96 V
928153409830	MASTER SON PIA Plus 400W/220 E40 1SL/12	408.0 W	105 V
928061009835	MASTER SON PIA Plus 70W E27	72.0 W	90 V
928061109835	MASTER SON PIA Plus 50W E27	52.0 W	85 V
928150008835	MASTER SON PIA Plus 70W/220 I E27 1CT/24	71.5 W	92 V

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928151409827	MASTER SON PIA Plus 150W/220 E40 1SL/12	BD90
928151608827	MASTER SON PIA Plus 100W/220 E40 1SL/12	B75
928153309830	MASTER SON PIA Plus 250W/220 E40 1SL/12	BD90
928153409830	MASTER SON PIA Plus 400W/220 E40 1SL/12	BD120
928061009835	MASTER SON PIA Plus 70W E27	B70
928061109835	MASTER SON PIA Plus 50W E27	BF70
928150008835	MASTER SON PIA Plus 70W/220 I E27 1CT/24	B70

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)	Energy Consumption kWh/ 1000 h
928151409827	MASTER SON PIA Plus 150W/220 E40 1SL/12	15.1 mg	15 mg	154 kWh
928151608827	MASTER SON PIA Plus 100W/220 E40 1SL/12	16.3 mg	16.3 mg	101 kWh
928153309830	MASTER SON PIA Plus 250W/220 E40 1SL/12	15.1 mg	15.1 mg	250 kWh
928153409830	MASTER SON PIA Plus 400W/220 E40 1SL/12	19.6 mg	20 mg	408 kWh
928061009835	MASTER SON PIA Plus 70W E27	12.2 mg	12.2 mg	72 kWh
928061109835	MASTER SON PIA Plus 50W E27	9.8 mg	9.8 mg	52 kWh
928150008835	MASTER SON PIA Plus 70W/220 I E27 1CT/24	14.3 mg	14.3 mg	72 kWh

© 2026 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.