



The most reliable solution in road lighting

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

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

Application

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

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Warnings and Safety

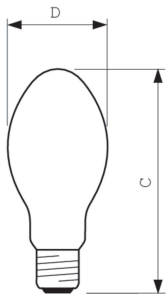
- Control gear must include end-of-life protection (IEC60662, IEC 62035)
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local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

Versions



LPPR SON-PIA Plus E40

Dimensional drawing



Product	D (max)	C (max)
MASTER SON PIA Plus 150W/220 E40 1SL/12	91 mm	227 mm
MASTER SON PIA Plus 400W/220 E40 1SL/12	122 mm	290 mm

General Information

Cap-Base	E40
Operating Position	UNIVERSAL

Light Technical

Chromaticity Coordinate X (Nom)	0.535
Chromaticity Coordinate Y (Nom)	0.42
Correlated Color Temperature (Nom)	2000 K
Color rendering index (CRI)	-

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Bulb Finish	Coated glass
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Light Technical

Order Code	Full Product Name	Luminous Efficacy (rated)	
		(Nom)	Luminous Flux
928151409827	MASTER SON PIA Plus 150W/220 E40 1SL/12	107.79 lm/W	16,600 lm
928153409830	MASTER SON PIA Plus 400W/220 E40 1SL/12	136.27 lm/W	55,600 lm

Operating and Electrical

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Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928151409827	MASTER SON PIA Plus 150W/220 E40 1SL/12	100 V	154.0 W

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928153409830	MASTER SON PIA Plus 400W/220 E40 1SL/12	105 V	408.0 W

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928151409827	MASTER SON PIA Plus 150W/220 E40 1SL/12	BD90

Order Code	Full Product Name	Bulb Shape
928153409830	MASTER SON PIA Plus 400W/220 E40 1SL/12	BD120

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928151409827	MASTER SON PIA Plus 150W/220 E40 1SL/12	154 kWh	15.1 mg	15 mg
928153409830	MASTER SON PIA Plus 400W/220 E40 1SL/12	408 kWh	19.6 mg	20 mg



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