



# MASTER SON PIA Plus

## MASTER SON PIA Plus 250W/220 E40 1SL/12

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

### Product data

General Information	
Cap base	E40 [ E40]
Operating position	UNIVERSAL [ Any/Universal]
Life to 5% failures (nom.)	20500 h
Life to 10% failures (nom.)	24000 h
Life to 20% failures (nom.)	28000 h
Life to 50% failures (nom.)	36000 h
System description	External Ignitor (E)
LSF 2000 h Rated	100 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %
LSF 12000 h Rated	99 %
LSF 16000 h Rated	98 %
LSF 20000 h Rated	95 %
Light Technical	
Colour code	220 [ CCT of 2,000 K]
Luminous flux (rated) (nom.)	30900 lm
Chromaticity coordinate X (nom.)	530
Chromaticity coordinate Y (nom.)	420
Correlated colour temperature (nom.)	2000 K

Luminous efficacy (rated) (nom.)	120 lm/W
Color rendering index (max.)	25
LLMF 2000 h Rated	99 %
LLMF 4000 h Rated	98 %
LLMF 6000 h Rated	97 %
LLMF 8000 h Rated	96 %
LLMF 12000 h Rated	96 %
LLMF 16000 h Rated	95 %
LLMF 20000 h Rated	94 %
Ratio Scotopic/Photopic Lumens	0.60

Operating and Electrical	
Power (Rated) (Nom)	260.0 W
Lamp current (EM) (nom.)	2.85 A
Ignition supply voltage (max.)	198 V
Ignition peak voltage (max.)	2800 V
Re-ignition time (min.) (max.)	120 s
Ignition time (max.)	10 s
Voltage (Max)	115 V
Voltage (Min)	85 V
Voltage (Nom)	100 V

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## Controls and Dimming

Dimmable	yes
Run-up time 90% (max.)	5 min

## Mechanical and Housing

Bulb finish	Coated glass
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## Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	15.1 mg
Energy Consumption kWh/1000 h	286 kWh

## Luminaire Design Requirements

Bulb temperature (max.)	350 °C
Cap base temperature (max.)	250 °C

## Product Data

Full product code	871150019344515
Order product name	MASTER SON PIA Plus 250W/220 E40 1SL/12
EAN/UPC – product	8711500193445
Order code	19344515
Local Code	250SONPLUS
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928153309830
Net weight (piece)	0.170 kg
ILCOS Code	SE-250-H/S-E40

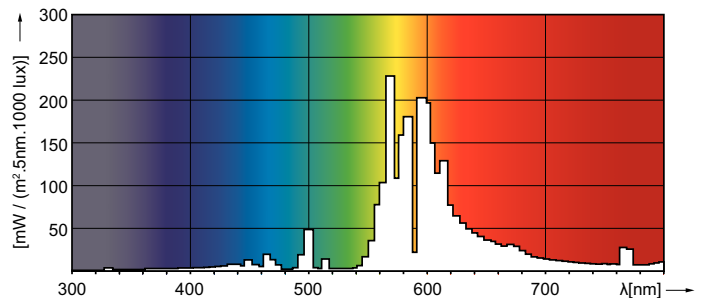
## Warnings and Safety

## Dimensional drawing

Product	D (max)	C (max)
MASTER SON PIA Plus 250W/220 E40 1SL/12	91 mm	227 mm

## SON PIA Plus 250W/220 E40

## Photometric data



LDPO\_SON-PIA\_0001-Spectral power distribution Colour

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## Lifetime

