



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 or Universal (U)]
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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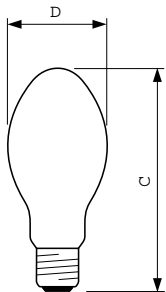
Controls and Dimming	
Dimmable	Yes
Run-up time 90% (max.)	5 min
Mechanical and Housing	
Bulb finish	Coated glass
Approval and Application	
Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	15.1 mg
Energy Consumption kWh/1000 h	286 kWh
Luminaire Design Requirements	
Bulb temperature (max.)	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
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

- 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.

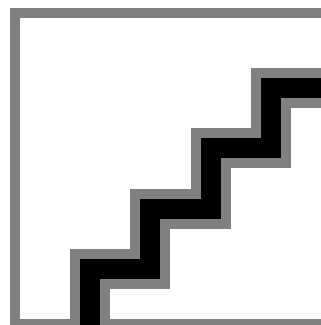
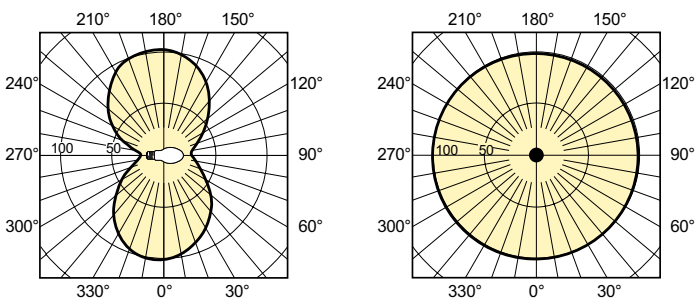
Dimensional drawing



SON PIA Plus 250W/220 E40

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

Photometric data



LDPO_SON-PIA_0001-Spectral power distribution Colour

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Lifetime

