



# MASTER SON APIA Plus Xtra

## MASTER SON APIA Plus Xtra 50W E27 1SL/24

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

### 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.

### Product data

General information	
Cap-Base	E27 [ E27]
Operating Position	UNIVERSAL [ Any or Universal (U)]
Life to 5% Failures (Nom)	21000 h
Life To 10% Failures (Nom)	25000 h
Life to 20% Failures (Nom)	29500 h
Life to 50% Failures (Nom)	38000 h
System Description	External Ignitor (E)
LSF 2000 h Rated	99 %
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	96 %
Flux measurement reference	Sphere

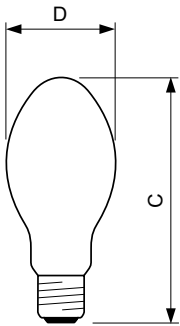
Light technical	
Colour Code	- [ Not Specified]
Luminous Flux (Nom)	3900 lm
Luminous Flux (Rated) (Nom)	3900 lm
Chromaticity Coordinate X (Nom)	0.54
Chromaticity Coordinate Y (Nom)	0.42
Colour Temperature, horizontal (Nom)	1900 K
Luminous Efficacy (rated) (Nom)	76.47 lm/W
Colour Rendering Index horiz (Max)	25
Colour Rendering Index horiz (Nom)	-
Depreciation 2000 hrs	91 %
LLMF 4000 h Rated	88 %
Depreciation 5000 hrs	87 %
LLMF 8000 h Rated	86 %
LLMF 12000 h Rated	85 %
LLMF 16000 h Rated	84 %
LLMF 20000 h Rated	84 %

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Ratio Scotopic/Photopic Lumens	0.50
<b>Operating and electrical</b>	
Power (Rated) (Nom)	51.0 W
Lamp Current (EM) (Nom)	0.76 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	1800 V
Re-Ignition Time (Min) (Max)	180 s
Ignition Time (Max)	5 s
Voltage (Max)	100 V
Voltage (Min)	70 V
Voltage (Nom)	81 V
<b>Controls and dimming</b>	
Dimmable	Yes
Run-up Time 90% (Max)	4 min
<b>Mechanical and housing</b>	
Bulb Finish	Coated glass
Bulb Shape	B70 [ B 70mm]
<b>Approval and application</b>	
Energy Efficiency Class	G

Mercury (Hg) Content (Max)	9.8 mg
Mercury (Hg) Content (Nom)	9.8 mg
Energy Consumption kWh/1000 h	51 kWh
EPREL Registration Number	473379
<b>Luminaire design requirements</b>	
Bulb Temperature (Max)	350 °C
Cap-Base Temperature (Max)	200 °C
Cap-Base Temperature (Max)-DUP	392 °F
<b>Product data</b>	
Full product code	872790092813600
Order product name	MASTER SON APIA Plus Xtra 50W E27 1SL/24
EAN/UPC - Product	8727900928136
Order code	92813600
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	24
Material Nr. (12NC)	928150619835
Net Weight (Piece)	0.045 kg
ILCOS Code	SE-50-H/E-E27

## Dimensional drawing

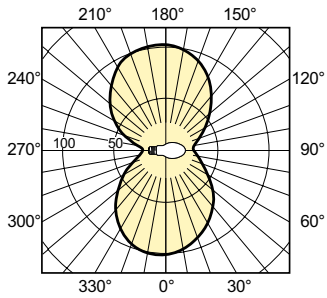


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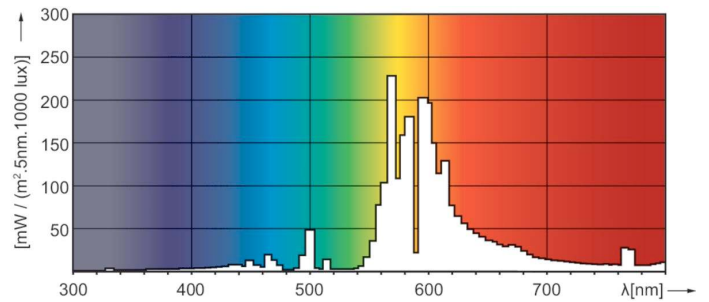
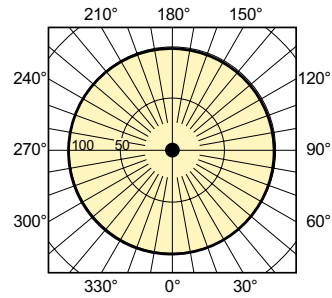
Product	D (max)	C (max)
MASTER SON APIA Plus Xtra 50W E27 1SL/24	71 mm	156 mm

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## Photometric data

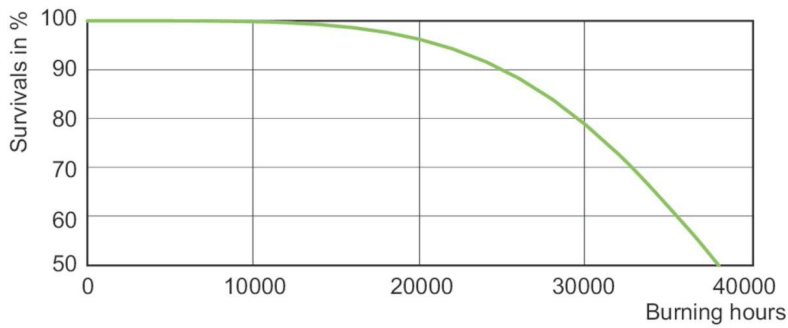


LDLD\_SON-APIA-Light distribution diagram



LDPO\_SON-APIA-Spectral power distribution Colour

## Lifetime



LDLE\_SON-APIA\_0002-Life expectancy diagram

