



# 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 %
	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
Correlated Colour Temperature (Nom)	1900 K
Luminous efficacy (rated) (nom.)	76.47 lm/W
Color rendering index (max.)	25
Colour rendering index (nom.)	-
LLMF 2000 h Rated	91 %
LLMF 4000 h Rated	88 %
LLMF 6000 h Rated	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
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## Operating and Electrical

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

## Controls and Dimming

Dimmable	Yes
Run-up time 90% (max.)	4 min

## Mechanical and Housing

Lamp Finish	Coated glass
Bulb shape	B70 [ B 70mm]

## Approval and Application

Energy Efficiency Class	G
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Mercury (Hg) content (max.)	9.8 mg
Mercury (Hg) content (nom.)	9.8 mg
Energy consumption kWh/1,000 hours	51 kWh
	473379

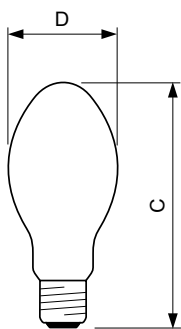
## Luminaire Design Requirements

Bulb temperature (max.)	350 °C
Cap-base temperature (max.)	200 °C

## Product Data

Full product code	872790092813600
Order product name	MASTER SON APIA Plus Xtra 50W E27 1SL/24
EAN/UPC – product	8727900928136
Order code	92813600
SAP numerator – quantity per pack	1
Numerator – packs per outer box	24
SAP material	928150619835
SAP net weight (piece)	0.045 kg
ILCOS code	SE-50-H/E-E27

## Dimensional drawing

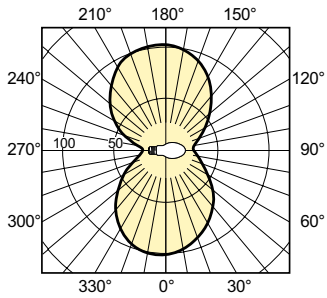


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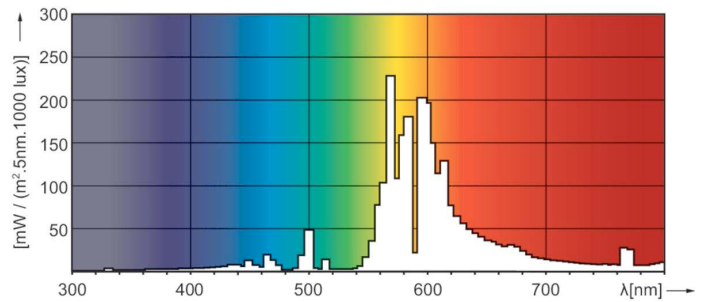
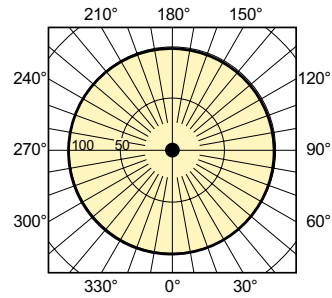
Product	D (max)	C (max)
MASTER SON APIA Plus Xtra 50W E27 1SL/24	71 mm	156 mm

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## Photometric data

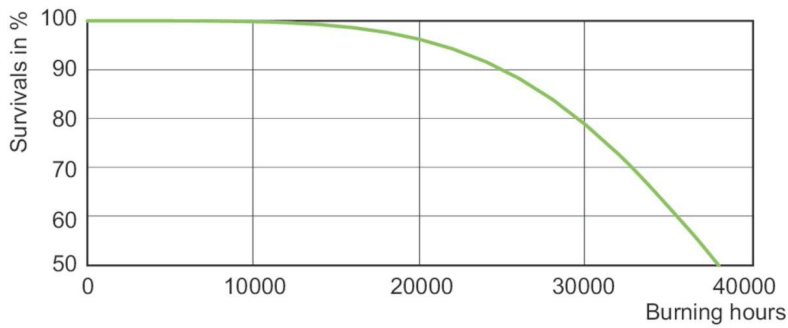


LDLD\_SON-APIA-Light distribution diagram



LDPO\_SON-APIA-Spectral power distribution Colour

## Lifetime



LDLE\_SON-APIA\_0002-Life expectancy diagram

