



# MASTER SON-T PIA Plus

## MASTER SON-T PIA Plus 600W/220 E40 1SL/12

High Pressure Sodium lamp with clear tubular outer bulb, high output and long reliable lifetime

### Product data

General Information	
Cap base	E40 [ E40]
Burning Position	UNIVERSAL [ Any/Universal]
Life to 5% failures (nom.)	12000 h
Life to 10% failures (nom.)	15000 h
Life to 20% failures (nom.)	20000 h
Life to 50% failures (nom.)	30000 h
ANSI code HID	-
System description	External Ignitor (E)
Light Technical	
Colour Code	220 [ CCT of 2,000 K]
Lamp Luminous Flux (Nom)	86500 lm
Lumen maintenance 2,000 hours (min.)	85 %
Lumen maintenance 2,000 hours (nom.)	96 %
Lumen maintenance 20,000 hours	77 %
Lumen maintenance 5,000 hours (min.)	80 %
Lumen maintenance 5,000 hours (nom.)	90 %
Chromaticity coordinate X (nom.)	526
Chromaticity coordinate Y (nom.)	424
Colour Temperature, horizontal (Nom)	2000 K
Lamp Luminous Efficacy EM (Nom)	143.5 lm/W

Colour Rendering Index,horiz (Max)	25
Ratio Scotopic/Photopic Lumens	0.60
Operating and Electrical	
Lamp supply voltage	230 V [ 230]
Power (Rated) (Nom)	603 W
Lamp current (EM) (nom.)	5.8 A
Ignition supply voltage (max.)	198 V
Ignition peak voltage (max.)	3500 V
Re-ignition time (min.) (max.)	60 s
Ignition time (max.)	10 s
Voltage (Max)	125 V
Voltage (Min)	95 V
Voltage (Nom)	110 V
Controls and Dimming	
Dimmable	no
Run-up time 90% (max.)	5 min
Mechanical and Housing	
Bulb finish	Clear

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Cap base information	na [-]
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## Approval and Application

Energy efficiency label (EEL)	A++
Mercury (Hg) content (nom.)	24 mg
Energy Consumption kWh/1000 h	663 kWh

## Luminaire Design Requirements

Bulb temperature (max.)	450 °C
Cap base temperature (max.)	250 °C

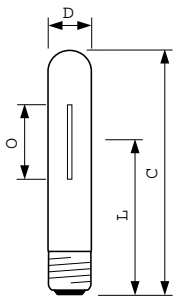
## Product Data

Full product code	871150019742915
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Order product name	MASTER SON-T PIA Plus 600W/220 E40 1SL/12
EAN/UPC – product	8711500197429
Order code	928158409227
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928158409227
Net weight (piece)	0.177 kg
ILCOS Code	ST-600-H/S-E40

## Warnings and Safety

### Dimensional drawing

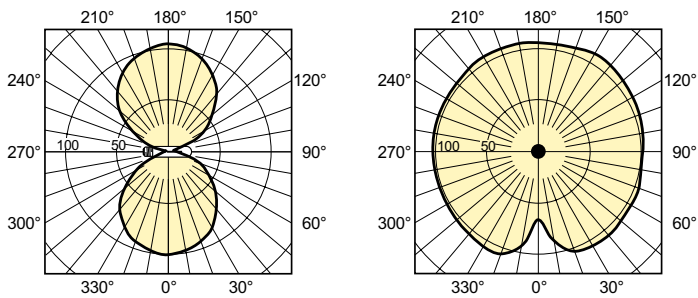


SON-T Plus 600W/220 E40

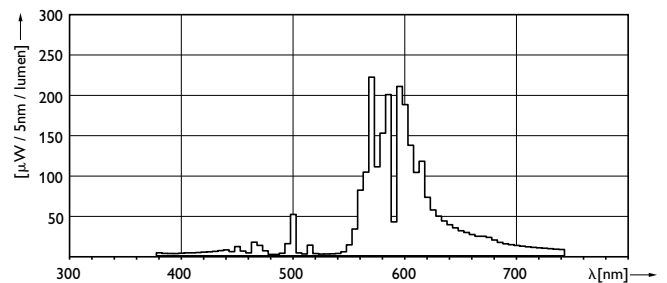
### Product

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### Photometric data



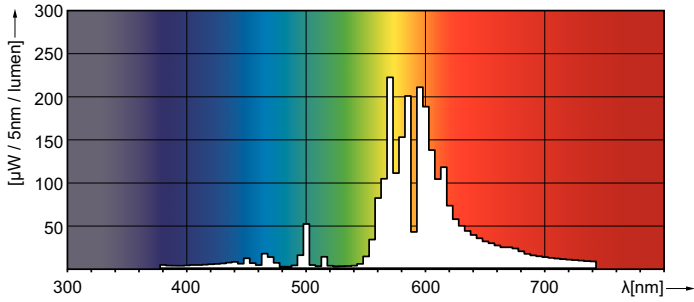
LDLD\_SON-TPIA-Light distribution diagram



MASTER SON-T PIA Plus 600W

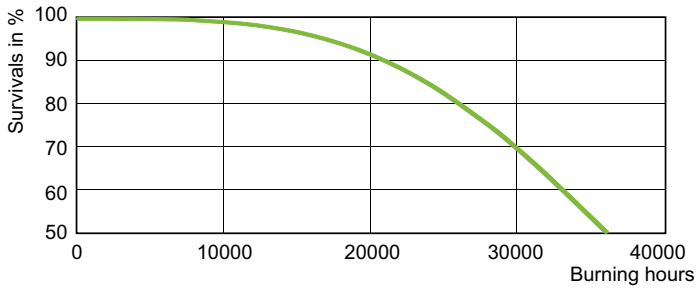
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## Photometric data

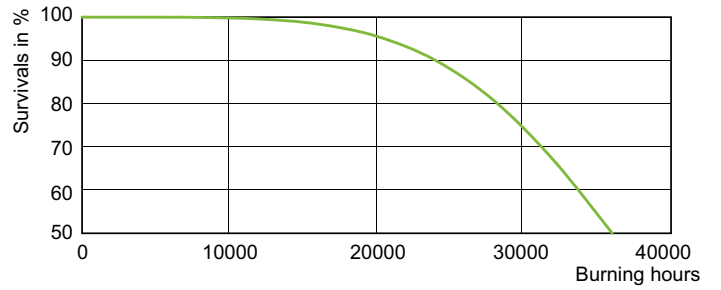


LDPO\_SON-TPIA\_0014-Spectral power distribution Colour

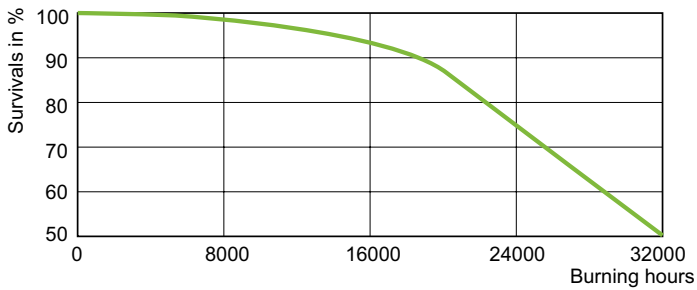
## Lifetime



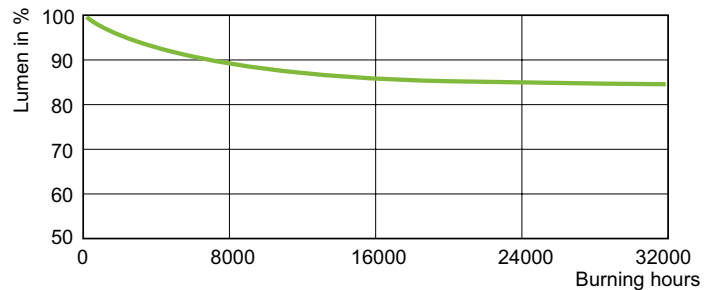
LDLE\_SON-TPIA\_0004-Life expectancy diagram



LDLE\_SON-TPIA\_0003-Life expectancy diagram



LDLE\_SON-TPIA\_600W-Life expectancy diagram



LDLM\_SON-TPIA\_600W-Lumen maintenance diagram

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