



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]
Operating 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]
Luminous flux (rated) (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
Correlated colour temperature (nom.)	2000 K
Luminous efficacy (rated) (nom.)	143.5 lm/W

Color rendering index (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

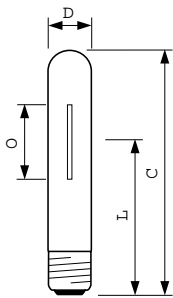
Product Data

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	19742915
Local Code	600SONTPLUS
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

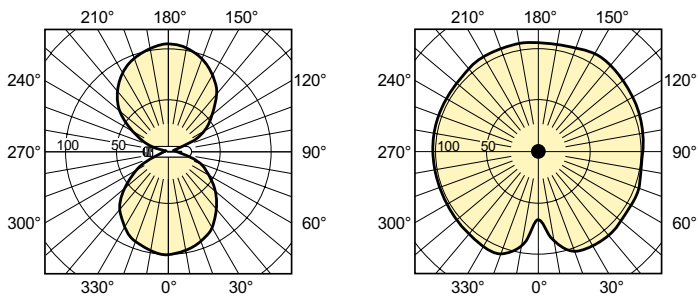


SON-T Plus 600W/220 E40

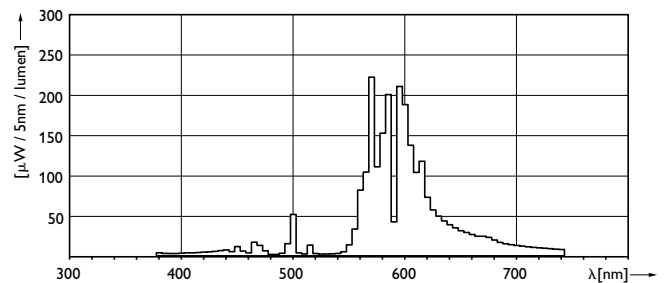
Product

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Photometric data



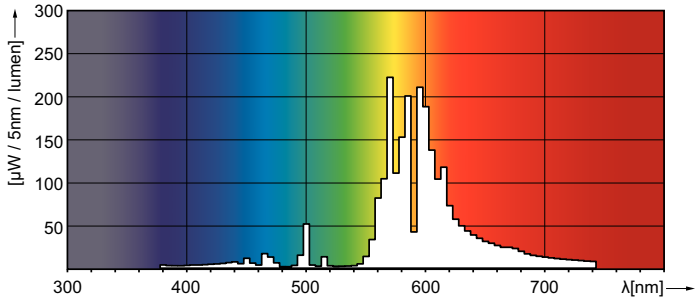
LDLD_SON-TPIA-Light distribution diagram



MASTER SON-T PIA Plus 600W

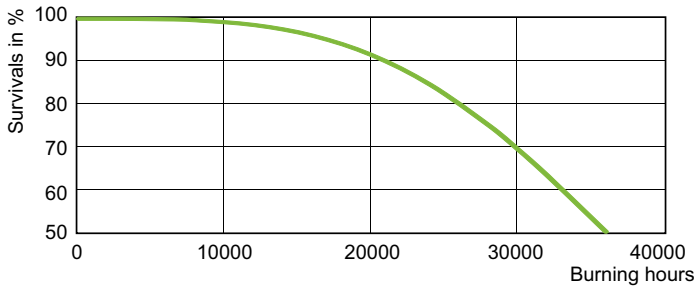
MASTER SON-T PIA Plus

Photometric data

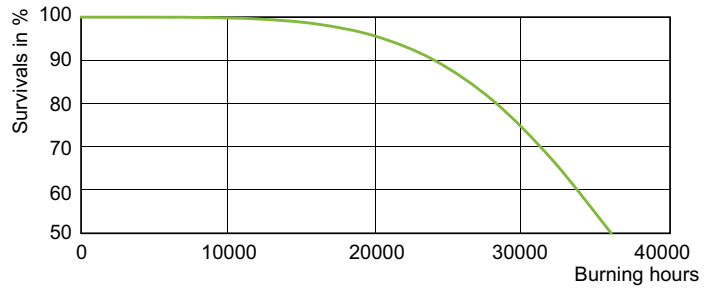


LDPO_SON-TPIA_0014-Spectral power distribution Colour

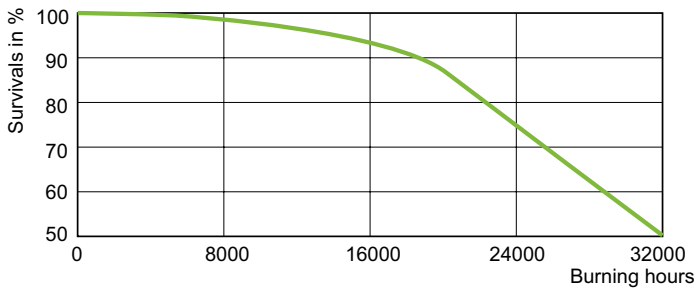
Lifetime



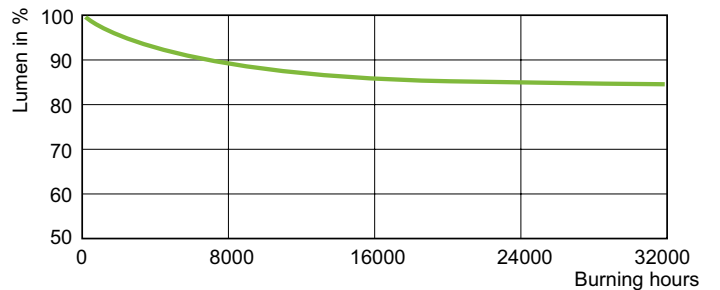
LDLE_SON-TPIA_0004-Life expectancy diagram



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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