



MASTER SON-T PIA Plus

MASTER SON-T PIA Plus 150W E40 1SL/12

High Pressure Sodium lamp with clear tubular outer bulb, high output and long 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	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)	32000 h
ANSI Code HID	-
System Description	External Ignitor
Flux measurement reference	Sphere

Light technical	
Color Code	220 [CCT of 2000K]
Luminous Flux (Nom)	17800 lm
Luminous Flux (Rated) (Min)	14500 lm
Luminous Flux (Rated) (Nom)	18000 lm
Lumen Maintenance 2000 h (Min)	94 %

Lumen Maintenance 2000 h (Nom)	97 %
Lumen Maintenance 5000 h (Min)	88 %
Lumen Maintenance 5000 h (Nom)	95 %
Chromaticity Coordinate X (Nom)	0.535
Chromaticity Coordinate Y (Nom)	0.42
Correlated Color Temperature (Nom)	2000 K
Luminous Efficacy (rated) (Nom)	117 lm/W
Color Rendering Index (Max)	25
Color Rendering Index (Nom)	-

Operating and electrical	
Lamp supply voltage	110 V [110]
Power (Nom)	155.0 W
Lamp Current (EM) (Nom)	1.8 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	2800 V
Re-Ignition Time (Min) (Max)	180 s

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Ignition Time (Max)	5 s
Voltage (Max)	115 V
Voltage (Min)	85 V
Voltage (Nom)	100 V

Controls and dimming

Dimmable	Yes
Run-Up Time 90% (Max)	4 min

Mechanical and housing

Bulb Finish	Clear
Cap-Base Information	-
Bulb Shape	T46 [T 46mm]

Approval and application

Energy Efficiency Class	F
Mercury (Hg) Content (Max)	15.1 mg
Mercury (Hg) Content (Nom)	13.9 mg

Energy Consumption kWh/1000 h	155 kWh
EPREL Registration Number	473290

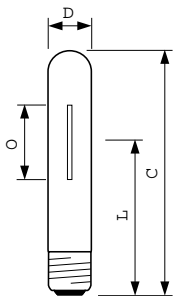
Luminaire design requirements

Bulb Temperature (Max)	450 °C
Cap-Base Temperature (Max)	250 °C

Product data

Full product code	871829118073900
Order product name	MASTER SON-T PIA Plus 150W E40 1SL/12
EAN/UPC - Product	8718291180739
Order code	928483400095
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928483400095
Net Weight (Piece)	0.107 kg

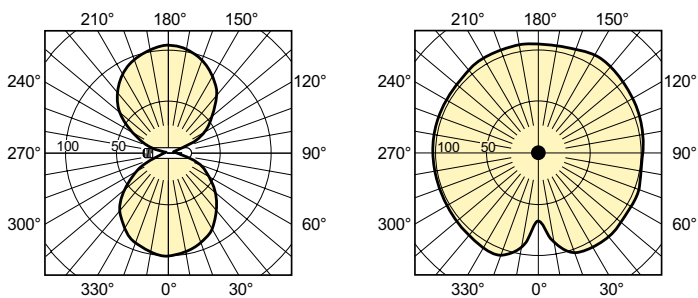
Dimensional drawing



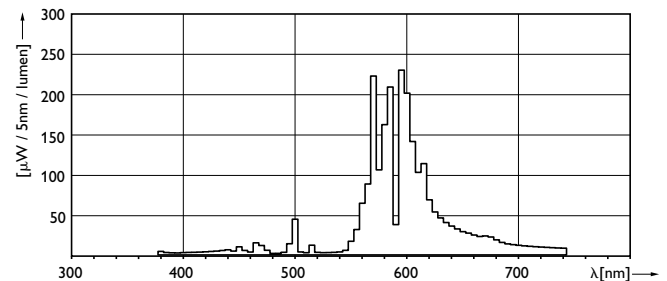
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Product	D (max)	O	L	C (max)
MASTER SON-T PIA Plus 150W E40 1SL/12	47 mm	61 mm	132 mm	209 mm

Photometric data



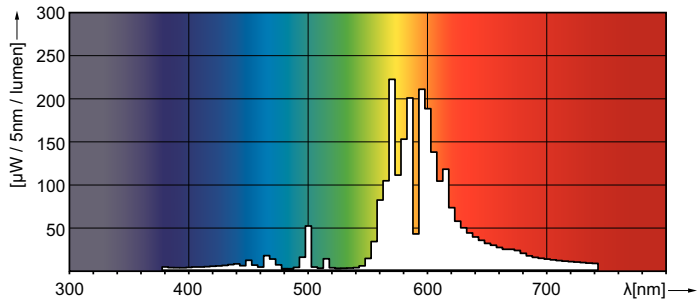
LDLD_SON-TPIA-Light distribution diagram



LDPB_SON-TPIA_0012-Spectral power distribution B/W

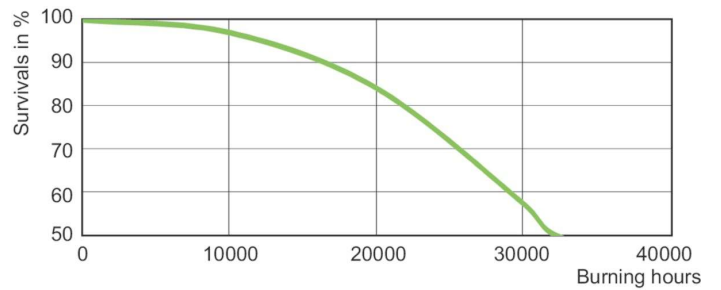
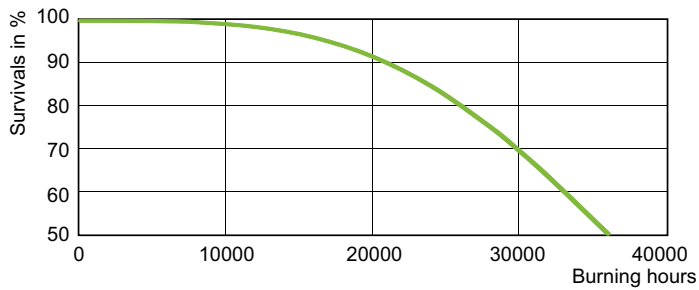
MASTER SON-T PIA Plus

Photometric data



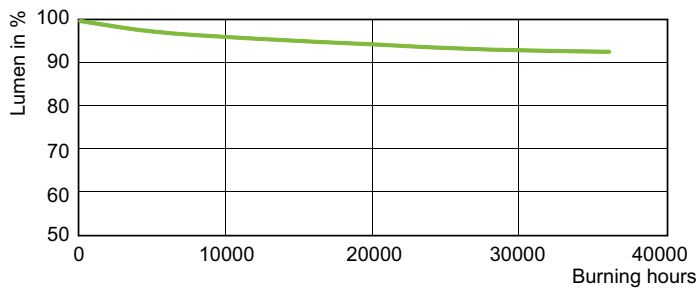
LDPO_SON-TPIA_0012-Spectral power distribution Colour

Lifetime



LDLE_SON-TPIA_0004-Life expectancy diagram

Life Expectancy SON-T Plus 150W E E40



LDLM_SON-TPIA_0004-Lumen maintenance diagram

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