



MASTER SON-T PIA Plus

MASTER SON-T PIA Plus 150W/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 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)	36000 h
ANSI Code HID	-
System Description	External Ignitor
LSF 2000 h Rated	100 %
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	95 %
Light Technical	
Color Code	220 [CCT of 2000K]
Luminous Flux (Rated) (Nom)	17700 lm
Chromaticity Coordinate X (Nom)	535
Chromaticity Coordinate Y (Nom)	420

Correlated Color Temperature (Nom)	2000 K
Luminous Efficacy (rated) (Nom)	116 lm/W
Color Rendering Index (Max)	25
LLMF 2000 h Rated	99 %
LLMF 4000 h Rated	98 %
LLMF 6000 h Rated	97 %
LLMF 8000 h Rated	96 %
LLMF 12000 h Rated	96 %
LLMF 16000 h Rated	95 %
LLMF 20000 h Rated	94 %
Ratio Scotopic/Photopic Lumens	0.55

Operating and Electrical

Lamp supply voltage	230 V [230]
Power (Nom)	154.0 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
Ignition Time (Max)	5 s
Voltage (Max)	115 V
Voltage (Min)	85 V

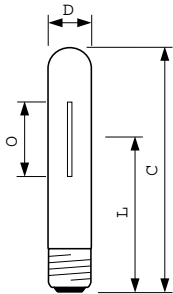
MASTER SON-T PIA Plus

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	-
Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	15 mg
Energy Consumption kWh/1000 h	169 kWh
Luminaire Design Requirements	
Bulb Temperature (Max)	450 °C

Cap-Base Temperature (Max)	250 °C
Product Data	
Full product code	871150019229515
Order product name	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12
EAN/UPC - Product	8711500192295
Order code	928150909230
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928150909230
Net Weight (Piece)	0.142 kg
ILCOS Code	ST-150-H/S-E40

Warnings and Safety

Dimensional drawing

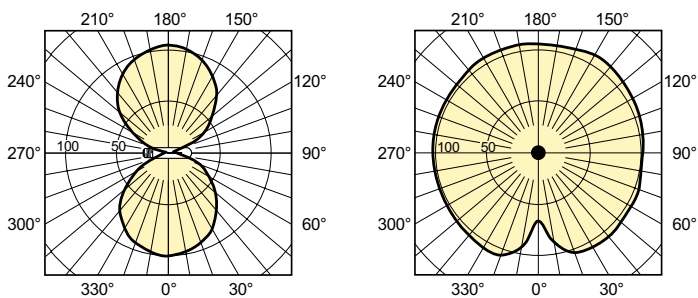


SON-T Plus 150W/220 E40

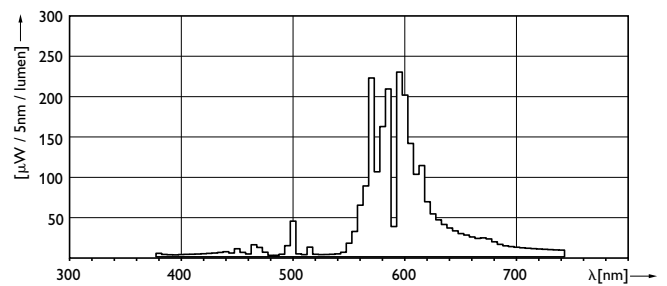
Product

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Photometric data

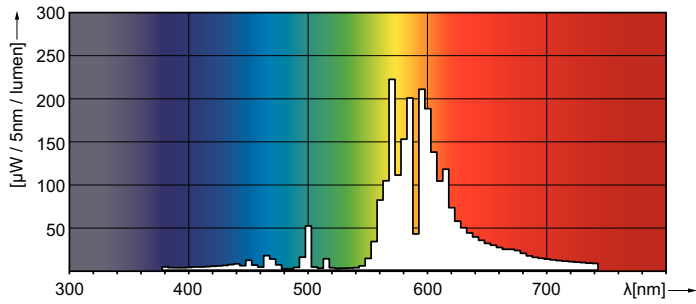


LDLD_SON-TPIA-Light distribution diagram

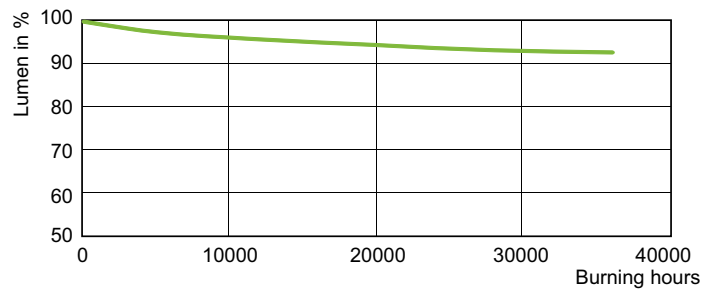
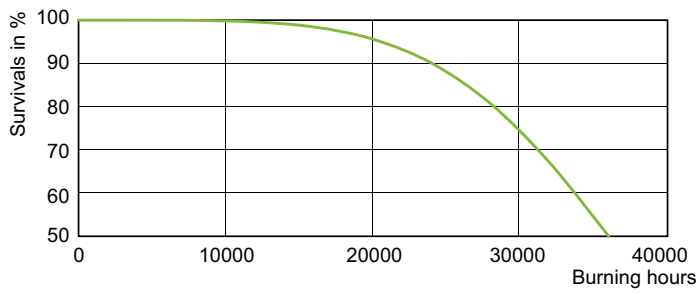


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Photometric data



Lifetime



LDLE_SON-TPIA_0003-Life expectancy diagram

LDLM_SON-TPIA_0004-Lumen maintenance diagram

