



MASTER SON-T PIA Plus

MASTER SON-T PIA Plus 250W E 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.)	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 (E)
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	
Colour code	220 [CCT of 2,000 K]
Luminous flux (rated) (nom.)	33000 lm
Chromaticity coordinate X (nom.)	530
Chromaticity coordinate Y (nom.)	420

Correlated colour temperature (nom.)	2000 K
Luminous efficacy (rated) (nom.)	127 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	0.60

Operating and Electrical

Lamp supply voltage	230 V [230]
Power (Rated) (Nom)	250.0 W
Lamp current (EM) (nom.)	3 A
Ignition supply voltage (max.)	198 V
Ignition peak voltage (max.)	2800 V
Re-ignition time (min.) (max.)	120 s
Ignition time (max.)	10 s
Voltage (Max)	115 V
Voltage (Min)	85 V

MASTER SON-T PIA Plus

Voltage (Nom)	100 V
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Controls and Dimming

Dimmable	yes
Run-up time 90% (max.)	5 min

Mechanical and Housing

Bulb finish	Clear
Cap base information	45

Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	15.1 mg
Energy Consumption kWh/1000 h	275 kWh

Luminaire Design Requirements

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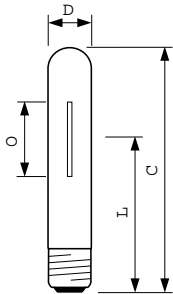
Cap base temperature (max.)	250 °C
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Product Data

Full product code	871150017987615
Order product name	MASTER SON-T PIA Plus 250W E E40 1SL/12
EAN/UPC – product	8711500179876
Order code	17987615
Local Code	250SONTPLUS
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928144709230
Net weight (piece)	161.000 g
ILCOS Code	ST-250-H/E-E40

Warnings and Safety

Dimensional drawing

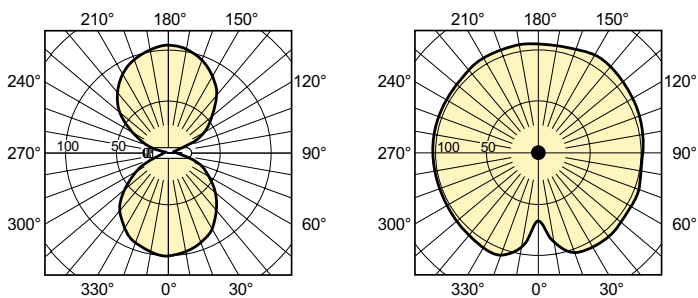


SON-T Plus 250W/220 E40

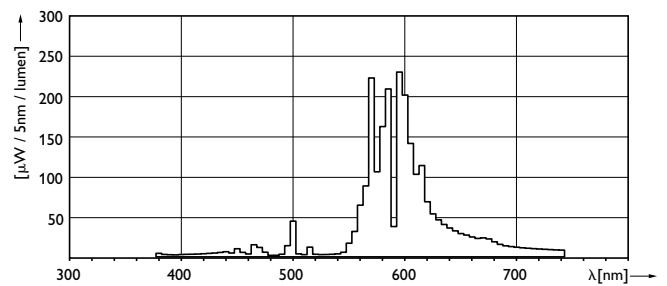
Product

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Photometric data



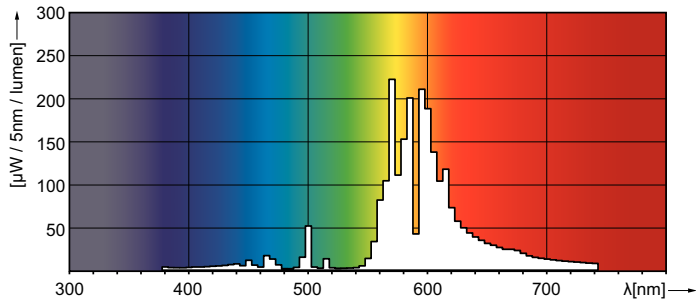
LDLD_SON-TPIA-Light distribution diagram



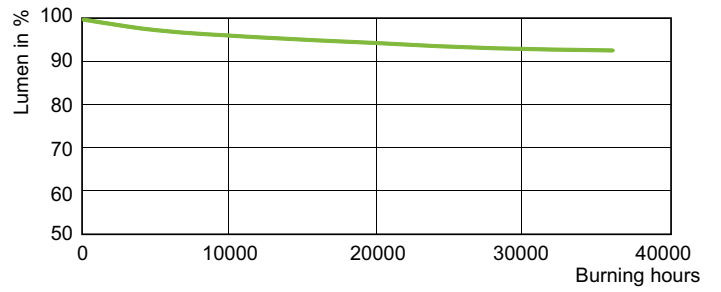
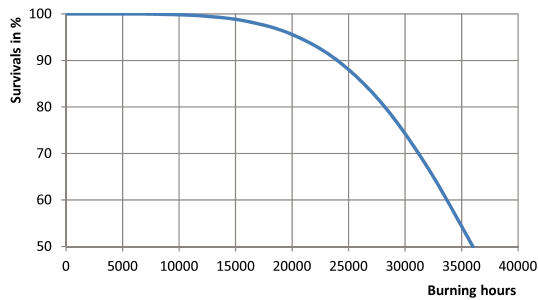
MASTER SON-T PIA Plus 100W, 150W & 250W

MASTER SON-T PIA Plus

Photometric data



Lifetime



SON(-T) PIA Plus 150W 250W 400W Life Expectancy Diagram

LDLM_SON-TPIA_0004-Lumen maintenance diagram

