



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]	Chromaticity Coordinate Y (Nom)	420
Operating Position	UNIVERSAL [Any or Universal (U)]	Correlated Color Temperature (Nom)	2000 K
Life to 5% Failures (Nom)	20500 h	Luminous Efficacy (Rated) (Nom)	127 lm/W
Life to 10% Failures (Nom)	24000 h	Color Rendering Index (Max)	25
Life to 20% Failures (Nom)	28000 h	LLMF 2000 h Rated	99 %
Life to 50% Failures (Nom)	36000 h	LLMF 4000 h Rated	98 %
ANSI Code HID	-	LLMF 6000 h Rated	97 %
System Description	External Ignitor	LLMF 8000 h Rated	96 %
LSF 2000 h Rated	100 %	LLMF 12000 h Rated	96 %
LSF 4000 h Rated	99 %	LLMF 16000 h Rated	95 %
LSF 6000 h Rated	99 %	LLMF 20000 h Rated	94 %
LSF 8000 h Rated	99 %	Ratio Scotopic/Photopic Lumens	0.60
LSF 12000 h Rated	99 %	Operating and Electrical	
LSF 16000 h Rated	98 %	Lamp supply voltage	230 V [230]
LSF 20000 h Rated	95 %	Power (Rated) (Nom)	250.0 W
Light Technical		Lamp Current (EM) (Nom)	3 A
Color Code	220 [CCT of 2000K]	Ignition Supply Voltage (Max)	198 V
Luminous Flux (Rated) (Nom)	33000 lm	Ignition Peak Voltage (Max)	2800 V
Chromaticity Coordinate X (Nom)	530	Re-Ignition Time (Min) (Max)	120 s
		Ignition Time (Max)	10 s

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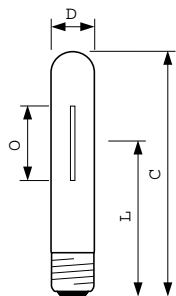
Voltage (Max)	115 V
Voltage (Min)	85 V
Voltage (Nom)	100 V
Controls and Dimming	
Dimmable	Yes
Run-Up Time 90% (Max)	5 min
Mechanical and Housing	
Bulb Finish	Clear
Cap-Base Information	45
Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	15 mg
Energy Consumption kWh/1000 h	275 kWh

Luminaire Design Requirements	
Bulb Temperature (Max)	450 °C
Cap-Base Temperature (Max)	250 °C
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	928144709230
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928144709230
Net Weight (Piece)	161.000 g
ILCOS Code	ST-250-H/E-E40

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.

Dimensional drawing

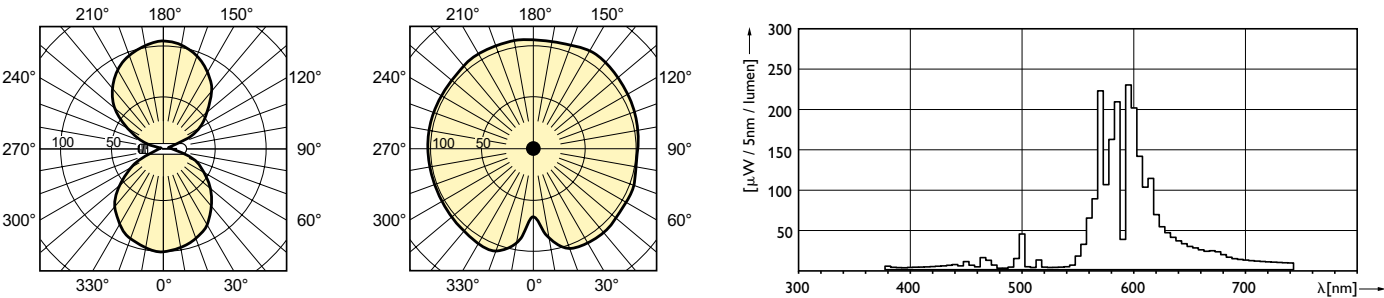


Product	D (max)	D	O	L	C (max)
MASTER SON-T PIA Plus 250W E E40 1SL/12	48 mm	1.75 in	64 mm	158 mm	257 mm

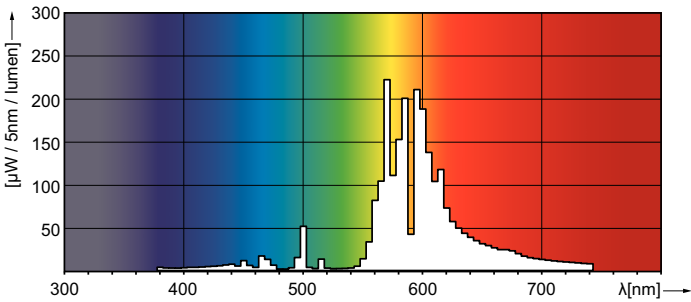
SON-T Plus 250W/220 E40

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Photometric data

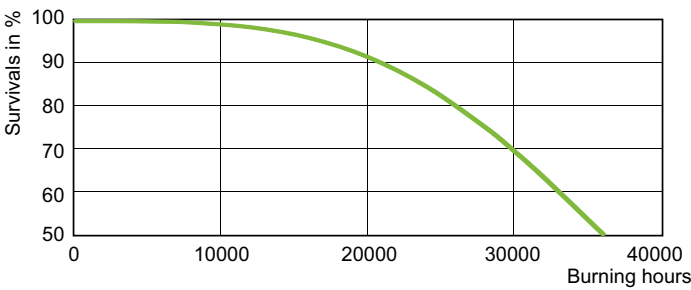


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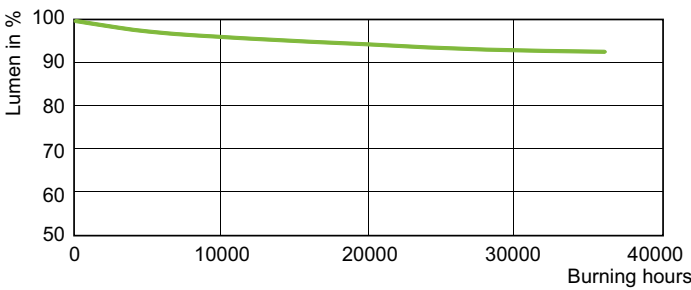


MASTER SON-T PIA Plus 100W, 150W, 250W

Lifetime



MASTER SON-T PIA Plus 100 W, 150 W Life Expectancy E40



MASTER SON-T PIA Plus 150 W, 250 W Lumen Maintenance E40

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