



MASTER SON-T PIA Plus

MASTER SON-T PIA Plus 100W E E40

High Pressure Sodium lamp with clear tubular outer bulb, high output and long reliable lifetime

Product data

General Information	
Cap-Base	E40 [E40]
Bulb Shape	T46 [T 46mm]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life To 5% Failures (Nom)	17000 h
Life To 20% Failures (Nom)	23500 h
Life To 50% Failures (Nom)	28000 h
ANSI Code HID	-
System Description	External Ignitor
Light Technical	
Color Code	220 [CCT of 2000K]
Luminous Flux (Rated) (Min)	8700 lm
Luminous Flux (Rated) (Nom)	10700 lm
Lumen Maintenance 2000 h (Min)	94 %
Lumen Maintenance 2000 h (Nom)	97 %
Lumen Maintenance 5000 h (Min)	90 %
Lumen Maintenance 5000 h (Nom)	95 %
Chromaticity Coordinate X (Nom)	525
Chromaticity Coordinate Y (Nom)	420
Correlated Color Temperature (Nom)	2000 K

Luminous Efficacy (rated) (Nom)	107 lm/W
Color Rendering Index (Max)	25
Color Rendering Index (Nom)	-

Operating and Electrical	
Lamp supply voltage	110 V [110]
Power (Rated) (Nom)	100.0 W
Lamp Current (EM) (Nom)	1.2 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	2800 V
Re-ignition Time (Min) (Max)	120 s
Ignition Time (Max)	5 s
Voltage (Max)	115 V
Voltage (Min)	85 V
Voltage (Nom)	100 V

Controls and Dimming	
Dimmable	No
Run-Up Time 90% (Max)	4 min

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Mechanical and Housing

Bulb Finish	Clear
Cap-Base Information	-

Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	16.3 mg
Energy Consumption kWh/1000 h	110 kWh

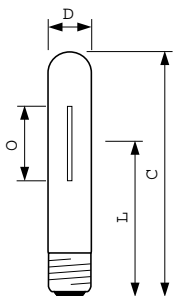
Luminaire Design Requirements

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

Product Data

Full product code	872790095095300
Order product name	MASTER SON-T PIA Plus 100W E E40
EAN/UPC - Product	8727900950953
Order code	928483300094
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928483300094
Net Weight (Piece)	0.109 kg

Dimensional drawing



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Product	D	L	C
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