

MASTER CosmoWhite CPO-TT Xtra

MST CosmoWhite CPO-TT Xtra 90W/628 E40

New-generation ceramic metal-halide tubular lamps used in outdoor applications, offering efficient and pleasant white light

Product data

General Information	
Cap-Base	E40 [E40]
Operating Position	P20 [Parallel +/-20D or Horizontal(HOR)]
Life to 5% Failures (Nom)	21500 h
Life to 10% Failures (Nom)	24000 h
Life to 20% Failures (Nom)	27000 h
Life to 50% Failures (Nom)	32000 h
ANSI Code HID	-
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %
LSF 12000 h Rated	99 %
LSF 16000 h Rated	99 %
LSF 20000 h Rated	97 %
LSF 24000 h Rated	90 %
LSF 30000 h Rated	63 %

Light Technical	
Color Code	628 [CCT of 2800K]
Luminous Flux (Rated) (Nom)	10000 lm
Color Designation	Warm White (WW)
Chromaticity Coordinate X (Nom)	0.460
Chromaticity Coordinate Y (Nom)	0.417
Luminous Efficacy (Rated) (Nom)	113 lm/W
Color Rendering Index (Min)	63
Color Rendering Index (Nom)	66
LLMF 2000 h Rated	93 %
LLMF 4000 h Rated	91 %
LLMF 6000 h Rated	90 %
LLMF 8000 h Rated	88 %
LLMF 12000 h Rated	87 %
LLMF 16000 h Rated	86 %
LLMF 20000 h Rated	85 %
LLMF 24000 h Rated	84 %
LLMF 30000 h Rated	83 %
Ratio Scotopic/Photopic Lumens	1.15

Operating and Electrical	
Power (Rated) (Nom)	89.0 W
Re-Ignition Time (Min) (Max)	900 s
Ignition Time (Max)	30 s
Voltage (Max)	97 V
Voltage (Min)	81 V

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Voltage (Nom)	91 V

Damage Factor D/fc (Nom)	0.28

Controls and Dimming	
Dimmable	Yes
Run-Up Time 90% (Max)	2 min

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

Mechanical and Housing	
Bulb Finish	Clear

Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	3.0 mg
Energy Consumption kWh/1000 h	98 kWh

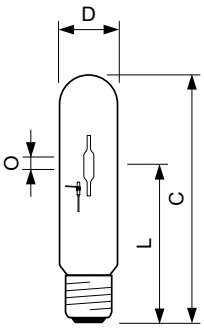
UV	
Pet (Niosh) (Min)	114 h/500lx
Pet (Niosh) (Nom)	203 h/500lx

Product Data	
Full product code	871829168115100
Order product name	MST CosmoWhite CPO-TT Xtra 90W/628 E40
EAN/UPC - Product	8718291681151
Order code	928060209227
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928060209227
Net Weight (Piece)	0.140 kg

Warnings and Safety

- Use only in a totally enclosed luminaire, even during testing (IEC 61167, IEC 62035, IEC 60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Use only with suitable electronic control gear
- Control gear must include end-of-life protection (IEC 61167, IEC 62035)
- E27 lamp holders and other parts in luminaires should be designed to withstand the ignition voltage of the electronic control gear (rated at 5 kV ignition pulse)
- 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

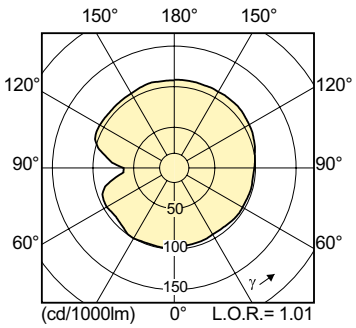


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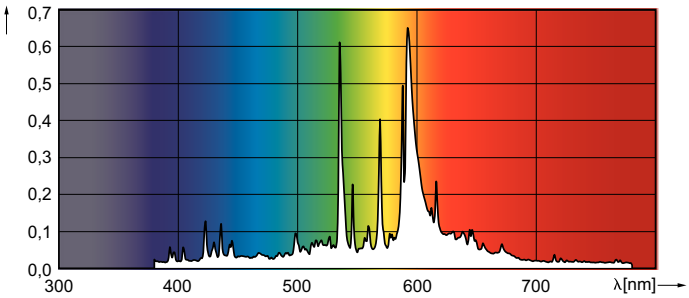
Product	D (max)	D	O	L	C (max)
MST CosmoWhite CPO-TT Xtra 90W/628 E40	47 mm	46 mm	18 mm	132 mm	211 mm

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Photometric data

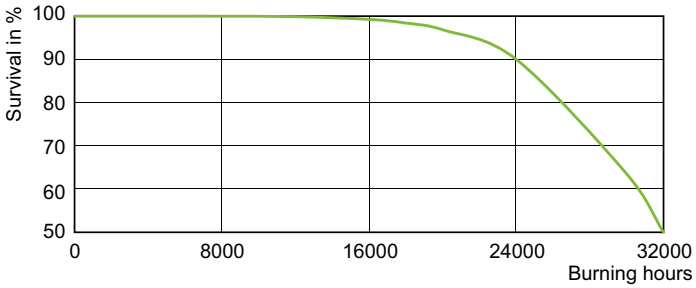


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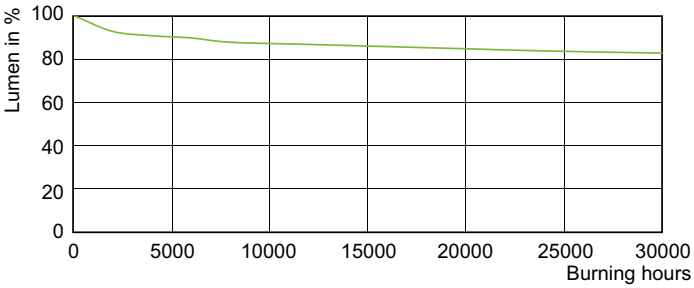


CPO-TT 90W /628

Lifetime



CPO-TT Life Expectancy 45 W, 60 W, 90 W, 140 W & 210 W



CPO-TT 90 W Lumen Maintenance /628

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