

MASTER CityWhite CDO-TT

MASTER CityWhite CDO-TT Plus 50W/828 E27

Ceramic metal halide Outdoor with clear tubular outer bulb

Product data

• General Information

Cap-Base	E27 [E27]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life To 5% Failures (Nom)	9500 h
Life To 10% Failures (Nom)	12000 h
Life To 20% Failures (Nom)	14500 h
Life To 50% Failures (Nom)	20000 h
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	98 %
LSF 12000 h Rated	90 %
LSF 16000 h Rated	74 %
LSF 20000 h Rated	50 %

• Light Technical

Colour Code	828 [CCT of 2800K]
Luminous Flux (Rated) (Nom)	5500 lm
Colour Designation	Warm White (WW)
Chromaticity Coordinate X (Nom)	443
Chromaticity Coordinate Y (Nom)	395
Colour Temperature, horizontal (Nom)	2800 K
Luminous Efficacy (rated) (Nom)	104 lm/W
Colour Rendering Index horiz (Nom)	89
Depreciation 2000 hrs	98 %
LLMF 4000 h Rated	96 %
Depreciation 5000 hrs	92 %
LLMF 8000 h Rated	88 %
LLMF 12000 h Rated	80 %
LLMF 16000 h Rated	74 %
LLMF 20000 h Rated	71 %

• Operating and Electrical

Power (Rated) (Nom)	53.0 W
Lamp Current Run-Up (Max)	0.9 A
Lamp Current (EM) (Nom)	0.760 A
Ignition Peak Voltage (Max)	2500 V
Ignition Supply Voltage (Min)	198 V
Re-Ignition Time (Min) (Max)	720 s
Ignition Time (Max)	30 s
Voltage (Max)	92 V
Voltage (Min)	76 V
Voltage (Nom)	84 V

• Controls and Dimming

Dimmable	Yes
Run-up Time 90% (Max)	3 min

• Mechanical and Housing

Bulb Finish	Clear (CL)

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MASTER CityWhite CDO-TT

- Approval and Application

Energy Efficiency Label	A+
Mercury (Hg) Content (Nom)	5.10 mg
Energy Consumption kWh/1000 h	58 kWh

- UV

Pet (Niosh) (Min)	8 h/500lx

- Luminaire Design Requirements

Bulb Temperature (Max)	350 °C
Cap-Base Temperature (Max)	200 °C

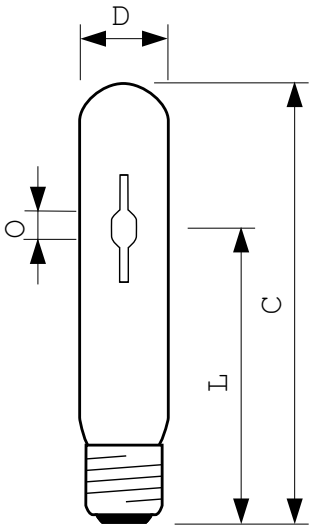
- Product Data

Full product code	871829118561100
Order product name	MASTER CityWhite CDO-TT Plus 50W/828 E27
EAN/UPC - Product	8718291185611
Order code	18561100
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928082419235
Net Weight (Piece)	0.060 kg
ILCOS Code	MT-50/828-H-E27-39/156

Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Lamps may use electromagnetic control gear or electronic gear suitable to drive CDO lamps (e.g. HID-PV Xt CDO)
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Warm restart time can be up to 15 minutes; T15 ignitors therefore advised
- 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



CDO-TT Plus, 50W/70W, E27

CDO-TT Plus 50W/828 E27

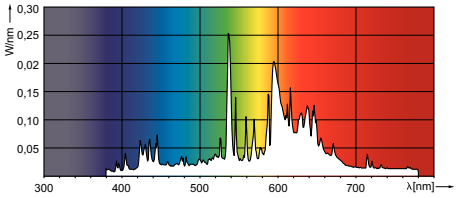
Product	D	O	L	C
MASTER CityWhite CDO-TT Plus 50W/828 E27	36 mm	5.25 mm	102 mm	156 mm

MASTER CityWhite CDO-TT

Dimensional drawing



Photometric data



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