



MASTER CityWhite CDO-TT

MASTER CityWhite CDO-TT Plus 50W/828 E27

Ceramic metal halide lamp with clear tubular outer bulb shape, used in outdoor offering pleasant white light

Product data

• General Characteristics

Cap-Base	E27
Bulb	T31 [T 31mm]
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
Life to 5% failures	8500 hr
Life to 10% failures	10000 hr
Life to 20% failures	12000 hr
Life to 50% failures	16000 hr
LSF EM 2000h Rated, 12h cycle	99 %
LSF EM 4000h Rated, 12h cycle	99 %
LSF EM 6000h Rated, 12h cycle	98 %
LSF EM 8000h Rated, 12h cycle	96 %
LSF EM 12000h Rated, 12h cycle	80 %
LSF EM 16000h Rated, 12h cycle	50 %

• Light Technical Characteristics

Color Code	828 [CCT of 2800K]
Color Rendering Index	89 Ra8
Color Designation (text)	Warm White
Color Temperature	2800 K
Color Temperature Technical	2800 K
Luminous Flux EM 25°C, Rated	5500 Lm
Lum Efficacy Rated EM 25°C	104 Lm/W

LLMF EM 2000h Rated	98 %
LLMF EM 4000h Rated	96 %
LLMF EM 6000h Rated	92 %
LLMF EM 8000h Rated	88 %
LLMF EM 12000h Rated	80 %
LLMF EM 16000h Rated	74 %
LLMF EM 20000h Rated	71 %
Chromaticity Coordinate X	443 -
Chromaticity Coordinate Y	395 -

• Electrical Characteristics

Lamp Wattage	50 W
Lamp Wattage EM 25°C, Nominal	50.0 W
Lamp Wattage EM 25°C, Rated	53.0 W
Lamp Voltage	84 V
Lamp Current EM	0.760 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Dimmable	Yes
Re-ignition Time [sec]	720 (max) s
Ratio scotopic/photopic lumens	1.30 -

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MASTER CityWhite CDO-TT

• Environmental Characteristics

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

• UV-related Characteristics

PET (NIOSH)	8 (min) h500lx
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• Luminaire Design Requirements

Cap-Base Temperature	200 (max) C
Bulb Temperature	350 (max) C

• Product Dimensions

Overall Length C	156 (max) mm
Diameter D	36 (max) mm
Light Center Length L	102 mm

Arc Length O	5.25 mm
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• Product Data

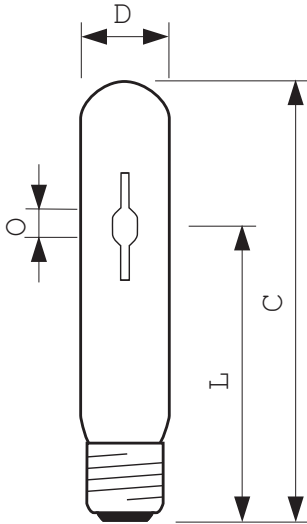
Order code	928082419235
Full product code	928082419235
Full product name	MASTER CityWhite CDO-TT Plus 50W/828 E27
Order product name	MASTER CityWh CDO-TT Plus 50W/828 E27
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8718291185611
Bar code on outerbox - EAN3	8718291185628
Logistic code(s) - 12NC	928082419235
ILCOS code	MT-50/828-H-E27-39/156
Net weight per piece	0.060 kg

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 electronic or electromagnetic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Warm restart time can be up to 15 minutes; T15 ignitors therefore advised

Dimensional drawing



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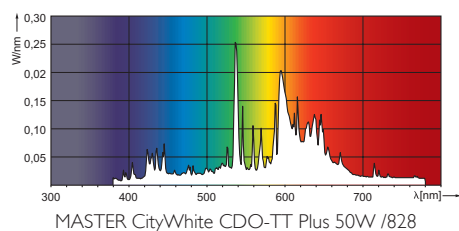
Product	C (Max)	D (Max)	L (Norm)	O (Norm)
CDO-TT Plus 50W/828 E27	156	36	102	5.25

Dimensional drawing



E27

Photometric data



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data subject to change