



# MASTER CityWhite CDO-TT

## MASTER CityWhite CDO-TT Plus 100W/828 E40

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

### 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)	18000 h
Life To 10% Failures (Nom)	20000 h
Life To 20% Failures (Nom)	22500 h
Life To 50% Failures (Nom)	27000 h
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	97 %
LSF 20000 h Rated	90 %
Light Technical	
Color Code	828 [ CCT of 2800K]
Luminous Flux (Rated) (Nom)	10500 lm
Color Designation	Warm White (WW)
Chromaticity Coordinate X (Nom)	445

Chromaticity Coordinate Y (Nom)	395
Correlated Color Temperature (Nom)	2800 K
Luminous Efficacy (rated) (Nom)	108 lm/W
Color Rendering Index (Nom)	88
LLMF 2000 h Rated	95 %
LLMF 4000 h Rated	92 %
LLMF 6000 h Rated	90 %
LLMF 8000 h Rated	88 %
LLMF 12000 h Rated	85 %
LLMF 16000 h Rated	82 %
LLMF 20000 h Rated	80 %
Operating and Electrical	
Power (Rated) (Nom)	97.0 W
Lamp Current Run-Up (Max)	2.2 A
Lamp Current (EM) (Nom)	1.2 A
Ignition Peak Voltage (Max)	5000 V
Ignition Supply Voltage (Min)	198 V
Re-Ignition Time (Min) (Max)	900 s
Ignition Time (Max)	30 s
Voltage (Max)	105 V

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Voltage (Min)	89 V
Voltage (Nom)	97 V
<b>Controls and Dimming</b>	
Dimmable	Yes
Run-Up Time 90% (Max)	2 min
<b>Mechanical and Housing</b>	
Bulb Finish	Clear
<b>Approval and Application</b>	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	11.6 mg
Energy Consumption kWh/1000 h	107 kWh
<b>UV</b>	
Pet (Niosh) (Min)	8 h/500lx

## Luminaire Design Requirements

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

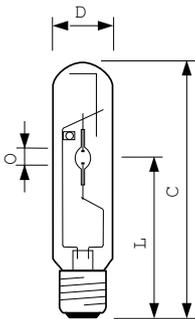
## Product Data

Full product code	871829112032200
Order product name	MASTER CityWhite CDO-TT Plus 100W/828 E40
EAN/UPC - Product	8718291120322
Order code	928082119231
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928082119231
Net Weight (Piece)	0.137 kg
ILCOS Code	MT-100/828-H-E40-48/211

## 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 100W/828 E40

Product	D	O	L	C
MASTER CityWhite CDO-TT Plus 100W/828 E40	47 mm	8.5 mm	132 mm	211 mm

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## Photometric data

