



# 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 Characteristics

Cap-Base	GES [GES]
Bulb	T46 [T 46mm]
Bulb Finish	Clear
Burning Position	any [Any/Universal]
Life to 5% failures	15000 hr
Life to 10% failures	18000 hr
Life to 20% failures	21000 hr
Life to 50% failures	27000 hr
LSF EM 2000h Rated, 12h cycle	99 %
LSF EM 4000h Rated, 12h cycle	99 %
LSF EM 6000h Rated, 12h cycle	99 %
LSF EM 8000h Rated, 12h cycle	99 %
LSF EM 12000h Rated, 12h cycle	98 %
LSF EM 16000h Rated, 12h cycle	94 %
LSF EM 20000h Rated, 12h cycle	84 %

### • Light Technical Characteristics

Colour Code	828 [CCT of 2800K]
Colour Rendering Index	88 Ra8
Colour Designation	Warm white
Colour Temperature	2800 K
Colour Temperature Technical	2800 K
Luminous Flux EM 25°C, Rated	10700 Lm
Lum Efficacy Rated EM 25°C	109 Lm/W

LLMF EM 2000h Rated	95 %
LLMF EM 4000h Rated	92 %
LLMF EM 6000h Rated	90 %
LLMF EM 8000h Rated	88 %
LLMF EM 12000h Rated	85 %
LLMF EM 16000h Rated	82 %
LLMF EM 20000h Rated	80 %
Chromaticity Coordinate X	445 -
Chromaticity Coordinate Y	395 -

### • Electrical Characteristics

Lamp Wattage	100 W
Lamp Wattage EM 25°C, Nominal	100.0 W
Lamp Wattage EM 25°C, Rated	98.0 W
Lamp Voltage	97 V
Lamp Current EM	1.2 A
Ignition Time	30 (max) s
Run-up time 90%	2 (max) min
Dimmable	yes
Re-ignition Time [sec]	900 (max) s
Ratio scotopic/photopic lumens	1.30 -

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## • Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	11.6 mg
Energy consumption kWh/1000h	107 kWh

## • UV-related Characteristics

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

Cap-Base Temperature	250 (max) C
Bulb Temperature	450 (max) C

## • Product Dimensions

Overall Length C	211 (max) mm
Diameter D	47 (max) mm
Light Center Length L	132 mm

Arc Length O 8.5 mm

## • Product Data

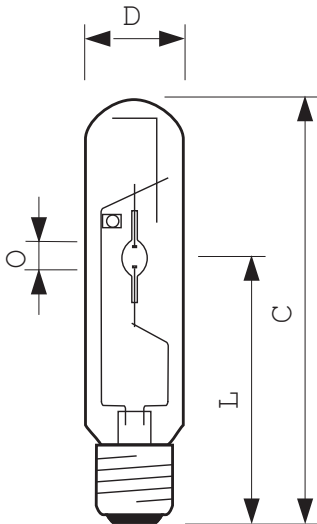
Order code	120322 00
Full product code	871829112032200
Full product name	MASTER CityWhite CDO-TT Plus 100W/828 E40
Order product name	MASTER CityWh CDO-TT Plus 100W/828 E40
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8718291120322
Bar code on outerbox - EAN3	8718291120339
Logistic code(s) - 12NC	928082119231
ILCOS code	MT-100/828-H-E40-48/211
Net weight per piece	0.137 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)

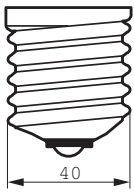
## Dimensional drawing



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

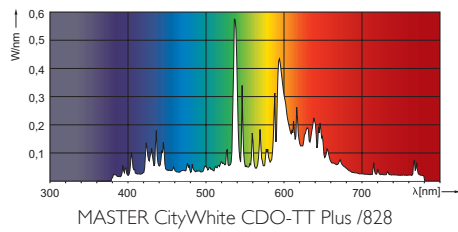
Product	C (Max)	D (Max)	L (Norm)	O (Norm)
CDO-TT Plus 100W/828 E40	211	47	132	8.5

## Dimensional drawing



E40

## Photometric data



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data subject to change