



# MASTER CityWhite CDO-ET

MASTER CityWhite CDO-ET Plus 50W/828 E27

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

## Product data

### • General Characteristics

Cap-Base	E27
Bulb	B70 [B 70mm]
Bulb Finish	Coated
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	5150 Lm
Lum Efficacy Rated EM 25°C	102 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	399 -

### • Electrical Characteristics

Lamp Wattage	50 W
Lamp Wattage EM 25°C, Nominal	50.0 W
Lamp Wattage EM 25°C, Rated	51.0 W
Lamp Voltage	78 V
Lamp Current EM	0.775 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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## • Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	5.1 mg
Energy consumption kWh/1000h	56 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
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Diameter D 71 (max) mm

## • Product Data

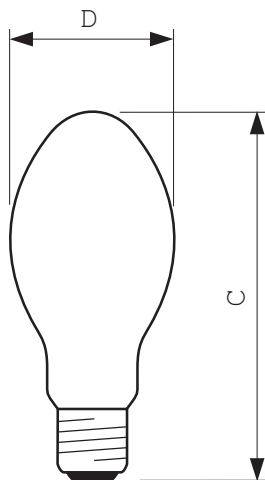
Order code	928155008835
Full product code	928155008835
Full product name	MASTER CityWhite CDO-ET Plus 50W/828 E27
Order product name	MASTER CityWh CDO-ET Plus 50W/828 E27
Pieces per pack	1
Packing configuration	24
Packs per outerbox	24
Bar code on pack - EAN1	8718291185635
Bar code on outerbox - EAN3	8718291185642
Logistic code(s) - 12NC	928155008835
ILCOS code	ME 50/28/1B-H-E27
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

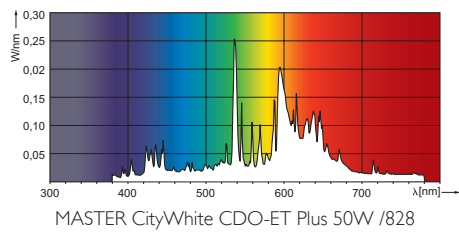


E27

## MASTER CityWhite CDO-ET Plus 50W/828 E27

Product	C (Max)	D (Max)
CDO-ET Plus 50W/828 E27	156	71

Photometric data



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data subject to change