



# MASTER CityWhite CDO-ET

MASTER CityWhite CDO-ET 150W/828 E40 1SL

Ceramic metal halide Outdoor with opalized ovoid outer bulb

## Product data

### • Product Data

Order code	205483 15
Full product code	871150020548315
Full product name	MASTER CityWhite CDO-ET 150W/ 828 E40 1SL
Order product name	MASTER CityWh CDO-ET 150W/ 828 E40 1SL/12
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500205483
Bar code on outerbox - EAN3	8711500205490
Logistic code(s) - 12NC	928089208831
ILCOS code	ME-150/28/1B-H-E40
Net weight per piece	0.160 kg

### • General Characteristics

Cap-Base	E40
Bulb	BD90 [BD 90mm]
Bulb Finish	Coated
Operating Position	any [Any or Universal (U)]
Life to 5% failures	10000 hr
Life to 10% failures	12000 hr
Life to 20% failures	15000 hr
Life to 50% failures	20000 hr
LSF EM 12000h Rated,12h cycle	90 %
LSF EM 16000h Rated,12h cycle	73 %
LSF EM 20000h Rated,12h cycle	50 %
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	97 %

### • Electrical Characteristics

Lamp Wattage	150 W
Lamp Voltage	93 V
Lamp Current EM	1.800 A
Ignition Time	30 s
Run-up time 90%	3 min
Dimmable	Yes
Lamp Wattage EM 25°C, Rated	145 W
Lamp Wattage EM 25°C, Nominal	150 W

### • Environmental Characteristics

Mercury (Hg) Content	16 mg
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### • Light Technical Characteristics

Color Code	828 [CCT of 2800K]
Color Rendering Index	82 Ra8
Color Designation (text)	Warm White
Color Temperature Technical	2800 K
Chromaticity Coordinate X	2780 K
	460 -

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Chromaticity Coordinate Y	403 -
LLMF EM 20000h Rated	37 %
LLMF EM 16000h Rated	42 %
LLMF EM 12000h Rated	47 %
LLMF EM 8000h Rated	54 %
LLMF EM 6000h Rated	60 %
LLMF EM 4000h Rated	67 %
LLMF EM 2000h Rated	81 %

Luminous Flux EM 25°C, Rated 12500 Lm

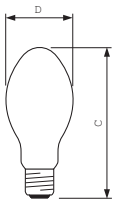
• Product Dimensions

Overall Length C 230 mm  
Diameter D 91 mm

• Luminaire Design Requirements

Cap-Base Temperature 250 C  
Bulb Temperature 350 C

## Dimensional drawing



Product	C (Max)	D (Max)
CDO-ET 150W/828 E40	230	91

Lamps being part of this product family comply with Commission Regulation (EC) No 245/2009 – Ecodesign requirements, applicable from 13 April 2010.

1.3 Product information requirements on lamps

- a) Nominal and rated lamp wattage;
- b) Nominal and rated lamp luminous flux;
- c) Rated lamp efficacy at 100 h in standard conditions.
- d) Rated lamp Lumen Maintenance Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
- e) Rated lamp Survival Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
- f) Lamp mercury content as XX mg;
- g) Colour Rendering Index (Ra) of the lamp;
- h) Colour temperature of the lamp;
- i) Ambient temperature inside the luminaire at which the lamp was designed to maximise its luminous flux. If this temperature is equal to or lower than 0 °C or equal to or higher than 50 °C it shall be stated that the lamp is not suitable for indoor use at standard room temperatures;

For more information see <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:076:0017:0044:EN:PDF>



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2010, April 7  
data subject to change