



# MASTER CityWhite CDO-ET

MASTER CityWhite CDO-ET Plus 150W/828 E40

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

## Product data

### • General Characteristics

Cap-Base	E40
Bulb	BD90 [BD 90mm]
Bulb Finish	Coated
Operating Position	any [Any or Universal (U)]
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

Color Code	828 [CCT of 2800K]
Color Rendering Index	85 Ra8
Color Designation (text)	Warm White
Color Temperature	2830 K
Color Temperature Technical	2830 K
Luminous Flux EM 25°C, Rated	15100 Lm

Lum Efficacy Rated EM 25°C	106 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	443 -
Chromaticity Coordinate Y	402 -

### • Electrical Characteristics

Lamp Wattage	150 W
Lamp Wattage EM 25°C, Nominal	150.0 W
Lamp Wattage EM 25°C, Rated	143.0 W
Lamp Voltage	90 V
Lamp Current EM	1.85 A
Ignition Time	30 (max) s
Run-up time 90%	3 (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	15.8 mg
Energy consumption kWh/1000h	157 kWh

## • UV-related Characteristics

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

Cap-Base Temperature	250 (max) C
Bulb Temperature	350 (max) C

## • Product Dimensions

Overall Length C	227 (max) mm
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Diameter D 91 (max) mm

## • Product Data

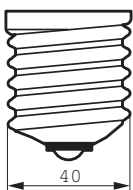
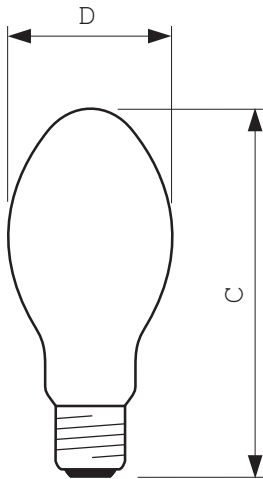
Order code	928154908835
Full product code	928154908835
Full product name	MASTER CityWhite CDO-ET Plus 150W/828 E40
Order product name	MASTER CityWh CDO-ET Plus 150W/828 E40
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8718291158813
Bar code on outerbox - EAN3	8718291158820
Logistic code(s) - 12NC	928154908835
ILCOS code	ME150/28/1B-H-E40
Net weight per piece	0.157 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

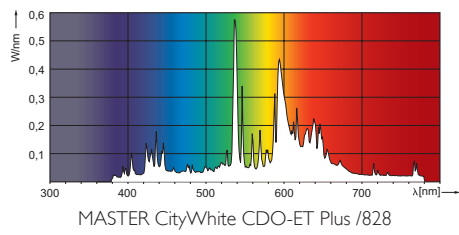


E40

## MASTER CityWhite CDO-ET Plus 150W/828 E40

Product	C (Max)	D (Max)
CDO-ET Plus 150W/828 E40	227	91

## Photometric data



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2013, October 9  
data subject to change