



MASTER CityWhite CDO-ET

MASTER CityWhite CDO-ET Plus 70W/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	ES [ES]
Bulb	B70 [B 70mm]
Bulb Finish	Coated
Burning Position	any [Any/Universal]
Life to 5% failures	9500 hr
Life to 10% failures	12000 hr
Life to 20% failures	14500 hr
Life to 50% failures	20000 hr
LSF EM 20000h	50 %
Rated,12h cycle	
LSF EM 16000h	74 %
Rated,12h cycle	
LSF EM 12000h	90 %
Rated,12h cycle	
LSF EM 8000h Rated,	98 %
12h cycle	
LSF EM 6000h Rated,	99 %
12h cycle	
LSF EM 4000h Rated,	99 %
12h cycle	
LSF EM 2000h Rated,	99 %
12h cycle	

• Light Technical Characteristics

Colour Code	828 [CCT of 2800K]
Colour Rendering Index	87 Ra8
Colour Designation	Warm white
Colour Temperature	2900 K
Colour Temperature Technical	2900 K
Chromaticity Coordinate X	438 -
Chromaticity Coordinate Y	398 -

Lum Efficacy Rated EM 25°C	101 Lm/W
LLMF EM 20000h Rated	71 %
LLMF EM 16000h Rated	74 %
LLMF EM 12000h Rated	78 %
LLMF EM 8000h Rated	83 %
LLMF EM 6000h Rated	86 %
LLMF EM 4000h Rated	90 %
LLMF EM 2000h Rated	95 %
Luminous Flux EM 25°C, Rated	7230 Lm

• Electrical Characteristics

Lamp Wattage	70 W
Lamp Voltage	88 V
Lamp Current EM	0.98 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Dimmable	yes
Re-ignition Time [sec]	720 (max) s
Lamp Wattage EM 25°C, Rated	72 W
Lamp Wattage EM 25°C, Nominal	70 W
Ratio scotopic/photopic lumens	1.30 -

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sense and simplicity

• Environmental Characteristics

Mercury (Hg) Content 6.8 mg

• UV-related Characteristics

PET (NIOSH) 8 (min) h500lx

• Luminaire Design Requirements

Cap-Base Temperature 200 (max) C
Bulb Temperature 350 (max) C

• Product Dimensions

Overall Length C 156 (max) mm
Diameter D 71 (max) mm

• Product Data

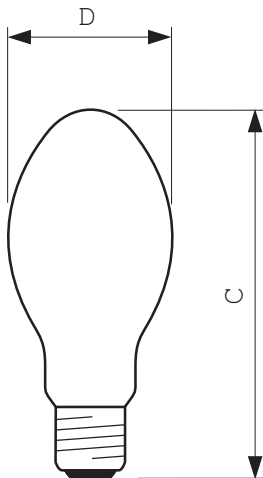
Order code 158752 00
Full product code 871829115875200
Full product name MASTER CityWhite CDO-ET Plus 70W/828 E27
Order product name MASTER CityWh CDO-ET Plus 70W/828 E27
Pieces per pack 1
Packing configuration 24
Packs per outerbox 24
Bar code on pack - EAN1 8718291158752
Bar code on outerbox - EAN3 8718291158769
Logistic code(s) - 12NC 928154708835
ILCOS code ME70/28/1B-H-E27
Net weight per piece 0.051 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

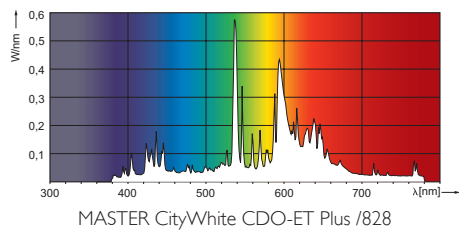


E27

CDO-ET

Product	C (Max)	D (Max)
CDO-ET Plus 70W/828 E27	156	71

Photometric data



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data subject to change