



MASTER CityWhite CDO-ET

MASTER CityWhite CDO-ET Plus 100W/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	GES [GES]
Bulb	B75 [B 75mm]
Bulb Finish	Coated
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 20000h	84 %
Rated,12h cycle	
LSF EM 16000h	94 %
Rated,12h cycle	
LSF EM 12000h	98 %
Rated,12h cycle	
LSF EM 8000h Rated,	99 %
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	2890 K
Colour Temperature Technical	2890 K
Chromaticity Coordinate X	444 -
Chromaticity Coordinate Y	403 -

Lum Efficacy Rated EM 25°C	100 Lm/W
LLMF EM 20000h Rated	80 %
LLMF EM 16000h Rated	82 %
LLMF EM 12000h Rated	85 %
LLMF EM 8000h Rated	88 %
LLMF EM 6000h Rated	90 %
LLMF EM 4000h Rated	92 %
LLMF EM 2000h Rated	95 %
Luminous Flux EM 25°C, Rated	9400 Lm

• Electrical Characteristics

Lamp Wattage	100 W
Lamp Voltage	90 V
Lamp Current EM	1.24 A
Ignition Time	30 (max) s
Run-up time 90%	2 (max) min
Dimmable	yes
Re-ignition Time [sec]	900 (max) s
Lamp Wattage EM 25°C, Rated	94 W
Lamp Wattage EM 25°C, Nominal	100 W
Ratio scotopic/photopic lumens	1.30 -

PHILIPS

sense and simplicity

• Environmental Characteristics

Mercury (Hg) Content 11 mg

• UV-related Characteristics

PET (NIOSH) 8 (min) h500lx

• Luminaire Design Requirements

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

• Product Dimensions

Overall Length C 186 (max) mm
Diameter D 76 (max) mm

• Product Data

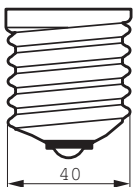
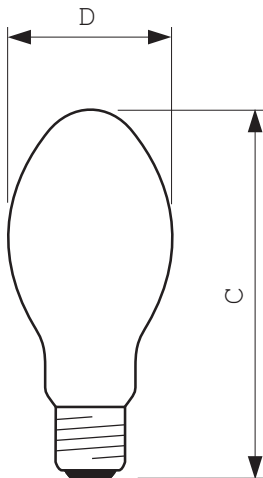
Order code 158776 00
Full product code 871829115877600
Full product name MASTER CityWhite CDO-ET Plus 100W/828 E40
Order product name MASTER CityWh CDO-ET Plus 100W/828 E40
Pieces per pack 1
Packing configuration 12
Packs per outerbox 12
Bar code on pack - EAN1 8718291158776
Bar code on outerbox - EAN3 8718291158783
Logistic code(s) - 12NC 928154808835
ILCOS code ME100/28/1B-H-E40
Net weight per piece 0.130 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

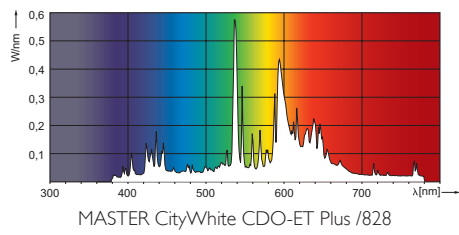


E40

CDO-ET

Product	C (Max)	D (Max)
CDO-ET Plus 100W/828 E40	186	76

Photometric data



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data subject to change