

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 Information

Cap-Base	E27
Operating Position	UNIVERSAL [Any or Universal (U)]
Life To 5% Failures (Nom)	9500 h
Life To 10% Failures (Nom)	12000 h
Life To 20% Failures (Nom)	16500 h
Life To 50% Failures (Nom)	27000 h
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	98 %
LSF 8000 h Rated	96 %
LSF 12000 h Rated	90 %
LSF 16000 h Rated	81 %
LSF 20000 h Rated	71 %

• Light Technical

Color Code	828 [CCT of 2800K]
Luminous Flux (Rated) (Nom)	7230 lm
Color Designation	Warm White (WW)
Chromaticity Coordinate X (Nom)	438
Chromaticity Coordinate Y (Nom)	398
Correlated Color Temperature (Nom)	2900 K
Luminous Efficacy (rated) (Nom)	101 lm/W
Color Rendering Index (Nom)	87
LLMF 2000 h Rated	97 %
LLMF 4000 h Rated	93 %
LLMF 6000 h Rated	89.5 %
LLMF 8000 h Rated	86 %
LLMF 12000 h Rated	80.5 %
LLMF 16000 h Rated	76.5 %
LLMF 20000 h Rated	73.5 %

• Operating and Electrical

Power (Rated) (Nom)	72.0 W
Lamp Current Run-Up (Max)	1.96 A
Lamp Current (EM) (Nom)	0.98 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	2500 V
Ignition Supply Voltage (Min)	198 V
Re-Ignition Time (Min) (Max)	720 s
Ignition Time (Max)	30 s
Voltage (Max)	96 V
Voltage (Min)	80 V
Voltage (Nom)	88 V

• Controls and Dimming

Dimmable	Yes
Run-Up Time 90% (Max)	3 min

• Mechanical and Housing

Bulb Finish	Coated glass

PHILIPS

MASTER CityWhite CDO-ET

- Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	6.8 mg
Energy Consumption kWh/1000 h	79 kWh

- UV

Pet (Niosh) (Min)	8 h/500lx

- Luminaire Design Requirements

Bulb Temperature (Max)	350 °C
Cap-Base Temperature (Max)	200 °C

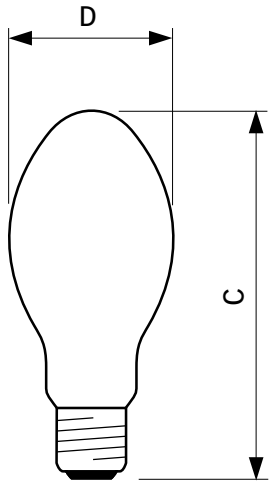
- Product Data

Full product code	871829115875200
Order product name	MASTER CityWhite CDO-ET Plus 70W/828 E27
EAN/UPC - Product	8718291158752
Order code	928154708835
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	24
Material Nr. (12NC)	928154708835
Net Weight (Piece)	0.051 kg
ILCOS Code	ME70/28/1B-H-E27

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
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Dimensional drawing



CDO-ET

CDO-ET Plus 70W/828 E27

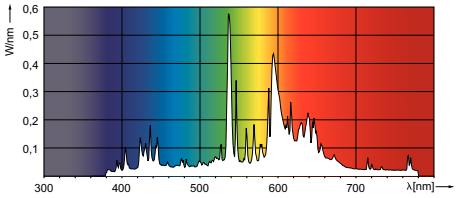
Product	D	C
MASTER CityWhite CDO-ET Plus 70W/828 E27	71 mm	156 mm

MASTER CityWhite CDO-ET

Dimensional drawing



Photometric data



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data subject to change