PHILIPS

MASTER CityWhite CDO-ET

DCDOET



The easiest switch to comfortable white light

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

Benefits

- White warm color impression providing comfort and safety
- Easy upgrade from SON to white light without additional cost
- Flexible light levels and reduced energy consumption possible via dimming option

Applications

- Beautification and functional lighting for City centers, shopping centers and pedestrian areas, residential areas, road lighting and floodlighting

Features

- High-quality white light
- Directly retrofit on HPS (SON/NAV) installations for upgrade from yellow to white light
- "Plus" concept with high efficacy translates into high light output and improved lumen maintenance
- Good color rendering and harmonized warm white color temperature
- Dimmable

- 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.

Versions

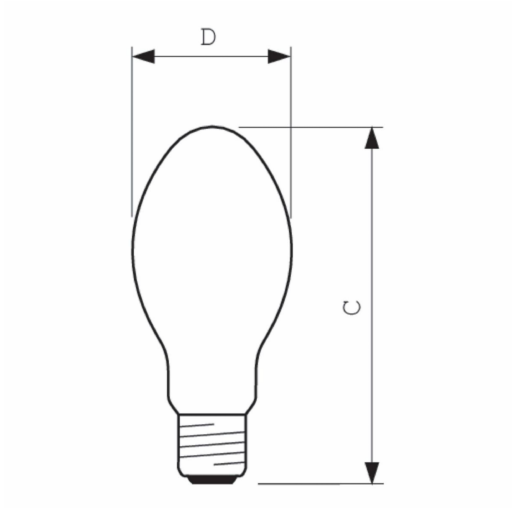


LPPR CDO-ET E27



LPPR CDO-ET E40

Dimensional drawing



Product	D (max)	C (max)
MASTER CityWh CDO-ET Plus 100W/828 E40	76 mm	186 mm
MASTER CityWh CDO-ET Plus 150W/828 E40	91 mm	227 mm
MASTER CityWh CDO-ET Plus 50W/828 E27	71 mm	156 mm
MASTER CityWh CDO-ET Plus 70W/828 E27	71 mm	156 mm

General Information

Operating Position	UNIVERSAL [Any or Universal (U)]

Light Technical

Color Designation	Warm White (WW)
Chromaticity Coordinate X (Nom)	0.447
Chromaticity Coordinate Y (Nom)	0.4
Correlated Color Temperature (Nom)	2800 K

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Bulb Finish	Coated glass

General Information

Order Code	Full Product Name	Cap-Base
928154708835	MASTER CityWh CDO-ET Plus 70W/828 E27	E27
928155008835	MASTER CityWh CDO-ET Plus 50W/828 E27	E27
928154808835	MASTER CityWh CDO-ET Plus 100W/828 E40	E40
928154908835	MASTER CityWh CDO-ET Plus 150W/828 E40	E40

Light Technical

Order Code	Full Product Name	Luminous Flux	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)
928154708835	MASTER CityWh CDO-ET Plus 70W/828 E27	7,030 lm	99 lm/W	84
928155008835	MASTER CityWh CDO-ET Plus 50W/828 E27	5,100 lm	99 lm/W	82
928154808835	MASTER CityWh CDO-ET Plus 100W/828 E40	9,400 lm	99 lm/W	87
928154908835	MASTER CityWh CDO-ET Plus 150W/828 E40	15,400 lm	108 lm/W	85

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Voltage (Nom)
928154708835	MASTER CityWh CDO-ET Plus 70W/828 E27	71.0 W	83 V
928155008835	MASTER CityWh CDO-ET Plus 50W/828 E27	51.5 W	78 V
928154808835	MASTER CityWh CDO-ET Plus 100W/828 E40	95.0 W	90 V
928154908835	MASTER CityWh CDO-ET Plus 150W/828 E40	143.0 W	89 V

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928154708835	MASTER CityWh CDO-ET Plus 70W/828 E27	B70
928155008835	MASTER CityWh CDO-ET Plus 50W/828 E27	B70
928154808835	MASTER CityWh CDO-ET Plus 100W/828 E40	B75
928154908835	MASTER CityWh CDO-ET Plus 150W/828 E40	BD90

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)	Energy Consumption kWh/ 1000 h
928154708835	MASTER CityWh CDO-ET Plus 70W/828 E27	7.8 mg	7.8 mg	71 kWh
928155008835	MASTER CityWh CDO-ET Plus 50W/828 E27	5.4 mg	5.4 mg	52 kWh
928154808835	MASTER CityWh CDO-ET Plus 100W/828 E40	12 mg	11.6 mg	95 kWh
928154908835	MASTER CityWh CDO-ET Plus 150W/828 E40	15.8 mg	15.8 mg	143 kWh

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