



# Product Description

## MASTER CityWhite CDO-ET

Ceramic metal halide Outdoor with opalized ovoid outer bulb

### Benefits

- Reduced cost of ownership compared to predecessor MASTERColour CDM-ET
- Comfortable warm colour impression with stable colour over lifetime
- Flexible light levels and reduced energy consumption possible via dimming option
- Upgrade for existing HPL installations with gear exchange

### Features

- Robust lamp with long lifetime
- Directly retrofit on HPS (SON) installations for upgrade from yellow to white light
- Good colour rendering and harmonized warm white colour temperature

### Application

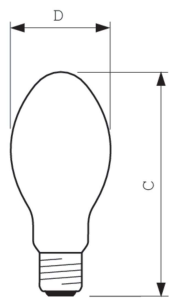
- City centres, shopping centres and pedestrian areas, residential areas, road lighting and floodlighting

### 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.

# MASTER CityWhite CDO-ET

## 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
Light Technical	
Chromaticity Coordinate X (Nom)	0.447
Chromaticity Coordinate Y (Nom)	0.4
Color Designation	Warm White (WW)
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
15875200	MASTER CityWhite CDO-ET Plus 70W/828 E27	E27
18563500	MASTER CityWhite CDO-ET Plus 50W/828 E27	E27

Order Code	Full Product Name	Cap-Base
15877600	MASTER CityWhite CDO-ET Plus 100W/828 E40	E40
15881300	MASTER CityWhite CDO-ET Plus 150W/828 E40	E40

## Light Technical

Order Code	Full Product Name	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
15875200	MASTER CityWhite CDO-ET Plus 70W/828 E27	84	99 lm/W	7,030 lm
18563500	MASTER CityWhite CDO-ET Plus 50W/828 E27	82	99 lm/W	5,100 lm

Order Code	Full Product Name	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
15877600	MASTER CityWhite CDO-ET Plus 100W/828 E40	87	99 lm/W	9,400 lm
15881300	MASTER CityWhite CDO-ET Plus 150W/828 E40	85	108 lm/W	15,400 lm

## Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
15875200	MASTER CityWhite CDO-ET Plus 70W/828 E27	83 V	71.0 W
18563500	MASTER CityWhite CDO-ET Plus 50W/828 E27	78 V	51.5 W

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
15877600	MASTER CityWhite CDO-ET Plus 100W/828 E40	90 V	95.0 W
15881300	MASTER CityWhite CDO-ET Plus 150W/828 E40	89 V	143.0 W

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
15875200	MASTER CityWhite CDO-ET Plus 70W/828 E27	B70
18563500	MASTER CityWhite CDO-ET Plus 50W/828 E27	B70

Order Code	Full Product Name	Bulb Shape
15877600	MASTER CityWhite CDO-ET Plus 100W/828 E40	B75
15881300	MASTER CityWhite CDO-ET Plus 150W/828 E40	BD90

Approval and Application

Order Code	Full Product Name	Energy	Mercury (Hg)	Mercury (Hg)
		Consumption kWh/1000 h	Content (Max)	Content (Nom)
15875200	MASTER CityWhite CDO-ET Plus 70W/828 E27	71 kWh	7.8 mg	7.8 mg
18563500	MASTER CityWhite CDO-ET Plus 50W/828 E27	52 kWh	5.4 mg	5.4 mg
15877600	MASTER CityWhite CDO-ET Plus 100W/828 E40	95 kWh	12 mg	11.6 mg
15881300	MASTER CityWhite CDO-ET Plus 150W/828 E40	143 kWh	15.8 mg	15.8 mg

