



# The easiest switch to comfortable white light

# **MASTER CityWhite CDO-ET**

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

#### **Features**

- · High-quality white light
- $\boldsymbol{\cdot}$  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

#### **Application**

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

# **MASTER CityWhite CDO-ET**

#### **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.

#### Versions

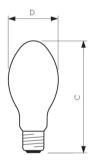




LPPR CDO-ET E27

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

# **MASTER CityWhite CDO-ET**

UNIVERSAL
UNIVERSAL
0.447
0.4
Warm White (WW)
2800 K
Yes
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

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

### **Light Technical**

		Color	Luminous	
		rendering	Efficacy (rated)	Luminous
Order Code	Full Product Name	index (CRI)	(Nom)	Flux
928154708835	MASTER CityWh CDO-	84	99 lm/W	7,030 lm
	ET Plus 70W/828 E27			
928155008835	MASTER CityWh CDO-	82	99 lm/W	5,100 lm
	ET Plus 50W/828 E27			

		Color	Luminous	
		rendering	Efficacy (rated)	Luminous
Order Code	Full Product Name	index (CRI)	(Nom)	Flux
928154808835	MASTER CityWh CDO-	87	99 lm/W	9,400 lm
	ET Plus 100W/828 E40			
928154908835	MASTER CityWh CDO-	85	108 lm/W	15,400 lm
	ET Plus 150W/828 E40			

# Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928154708835	MASTER CityWh CDO-ET Plus	83 V	71.0 W
	70W/828 E27		
928155008835	MASTER CityWh CDO-ET Plus	78 V	51.5 W
	50W/828 E27		

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928154808835	MASTER CityWh CDO-ET Plus	90 V	95.0 W
	100W/828 E40		
928154908835	MASTER CityWh CDO-ET Plus	89 V	143.0 W
	150W/828 E40		

### 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

Order Code	Full Product Name	Bulb Shape
928154808835	MASTER CityWh CDO-ET Plus 100W/828 E40	B75
928154908835	MASTER CityWh CDO-ET Plus 150W/828 E40	BD90

### **Approval and Application**

# **MASTER CityWhite CDO-ET**

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

