



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
- 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

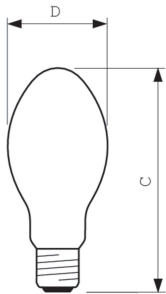
- Beautification and functional lighting for City centers, shopping centers and pedestrian areas, residential areas, road lighting and floodlighting

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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



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
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

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

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

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

Order Code	Full Product Name	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
928154908835	MASTER CityWh 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
928154708835	MASTER CityWh CDO-ET Plus 70W/828 E27	83 V	71.0 W
928155008835	MASTER CityWh CDO-ET Plus 50W/828 E27	78 V	51.5 W

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

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

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

