



Product Description

MASTER CityWhite CDO-TT

Ceramic metal halide Outdoor with clear tubular outer bulb

Benefits

- Reduced cost of ownership compared to predecessor MASTERColour CDM-TT
- 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 electromagnetic control gear or electronic gear suitable to drive CDO lamps (e.g. HID-PV Xt CDO)
- 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-TT

Versions



MASTER CityWhite CDO-TT Plus 70W E27

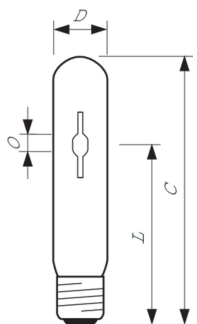
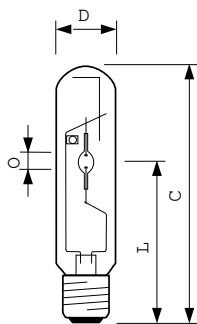


LPPR CDO-TT 0002



LPPR CDO-TT 0004

Dimensional drawing



Product	D (max)	O	L	C (max)
MASTER CityWh CDO-TT Plus 100W/828 E40	47 mm	8.5 mm	132 mm	211 mm
MASTER CityWh CDO-TT Plus 150W/828 E40	47 mm	10 mm	132 mm	211 mm
MASTER CityWh CDO-TT Plus 150W/942 E40	46 mm	10 mm	132 mm	211 mm
MASTER CityWh CDO-TT Plus 250W/830 E40	47 mm	12.1 mm	157 mm	257 mm

Product	D (max)	O	L	C (max)
MASTER CityWh CDO-TT Plus 50W/828 E27	36 mm	5.25 mm	102 mm	156 mm
MASTER CityWh CDO-TT Plus 70W/828 E27	36 mm	7.15 mm	102 mm	156 mm
MASTER CityWh CDO-TT Plus 70W/942 E27	36 mm	7.75 mm	102 mm	156 mm

General Information	
Operating Position	UNIVERSAL
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Finish	Clear

General Information

MASTER CityWhite CDO-TT

Order Code	Full Product Name	Cap-Base
59679100	MASTER CityWhite CDO-TT Plus 70W/942 E27	E27
59675300	MASTER CityWhite CDO-TT Plus 150W/942 E40	E40
12030800	MASTER CityWhite CDO-TT Plus 70W/828 1SL/12	E27
12032200	MASTER CityWhite CDO-TT Plus 100W/828 E40	E40

Order Code	Full Product Name	Cap-Base
12034600	MASTER CityWhite CDO-TT Plus 150W/828 E40	E40
12197800	MASTER CityWhite CDO-TT Plus 250W/830 E40	E40
18561100	MASTER CityWhite CDO-TT Plus 50W/828 E27	E27

Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Designation	Correlated Color Temperature (Nom)	Color	Luminous Efficacy (rated) (Nom)	Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)			rendering index (CRI)		
59679100	MASTER CityWhite CDO-TT Plus 70W/942 E27	0.371	0.366	Cool White (CW)	4200 K	90	101 lm/W	7,500 lm
59675300	MASTER CityWhite CDO-TT Plus 150W/942 E40	0.371	0.366	Cool White (CW)	4200 K	91	107 lm/W	16,100 lm
12030800	MASTER CityWhite CDO-TT Plus 70W/828 1SL/12	0.447	0.4	Warm White (WW)	2800 K	86	105 lm/W	7,750 lm
12032200	MASTER CityWhite CDO-TT Plus 100W/828 E40	0.447	0.4	Warm White (WW)	2800 K	88	106 lm/W	10,450 lm
12034600	MASTER CityWhite CDO-TT Plus 150W/828 E40	0.447	0.4	Warm White (WW)	2800 K	87	110 lm/W	16,400 lm
12197800	MASTER CityWhite CDO-TT Plus 250W/830 E40	0.434	0.398	Warm White (WW)	3000 K	88	113 lm/W	28,400 lm
18561100	MASTER CityWhite CDO-TT Plus 50W/828 E27	0.447	0.4	Warm White (WW)	2800 K	84	104 lm/W	5,500 lm

Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
59679100	MASTER CityWhite CDO-TT Plus 70W/942 E27	96 V	74.0 W
59675300	MASTER CityWhite CDO-TT Plus 150W/942 E40	97 V	150.0 W
12030800	MASTER CityWhite CDO-TT Plus 70W/828 1SL/12	91 V	73.5 W
12032200	MASTER CityWhite CDO-TT Plus 100W/828 E40	100 V	99.0 W

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
12034600	MASTER CityWhite CDO-TT Plus 150W/828 E40	99 V	148.5 W
12197800	MASTER CityWhite CDO-TT Plus 250W/830 E40	99 V	250.0 W
18561100	MASTER CityWhite CDO-TT Plus 50W/828 E27	83 V	53.0 W

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
59679100	MASTER CityWhite CDO-TT Plus 70W/942 E27	T35
59675300	MASTER CityWhite CDO-TT Plus 150W/942 E40	T46
12030800	MASTER CityWhite CDO-TT Plus 70W/828 1SL/12	T35
12032200	MASTER CityWhite CDO-TT Plus 100W/828 E40	T46

Order Code	Full Product Name	Bulb Shape
12034600	MASTER CityWhite CDO-TT Plus 150W/828 E40	T46
12197800	MASTER CityWhite CDO-TT Plus 250W/830 E40	T46
18561100	MASTER CityWhite CDO-TT Plus 50W/828 E27	T31

Approval and Application

MASTER CityWhite CDO-TT

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
59679100	MASTER CityWhite CDO-TT Plus 70W/942 E27	74 kWh	6.6 mg	6.6 mg
59675300	MASTER CityWhite CDO-TT Plus 150W/942 E40	150 kWh	13 mg	12.6 mg
12030800	MASTER CityWhite CDO-TT Plus 70W/828 1SL/12	74 kWh	7.8 mg	7.8 mg
12032200	MASTER CityWhite CDO-TT Plus 100W/828 E40	99 kWh	12 mg	11.6 mg
12034600	MASTER CityWhite CDO-TT Plus 150W/828 E40	149 kWh	15.8 mg	15.8 mg
12197800	MASTER CityWhite CDO-TT Plus 250W/830 E40	250 kWh	25 mg	25.3 mg
18561100	MASTER CityWhite CDO-TT Plus 50W/828 E27	53 kWh	5.4 mg	5.4 mg

