PHILIPS

MASTER CityWhite CDO-TT

DCDOTT



The easiest switch to comfortable white light

Ceramic metal halide lamp with clear tubular 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 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.

Versions



MASTER CityWhite CDO-TT Plus 70W E27

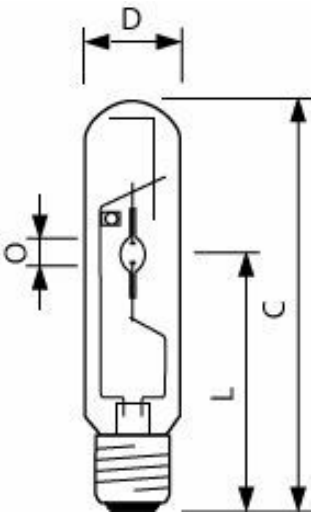


LPPR CDO-TT 0002

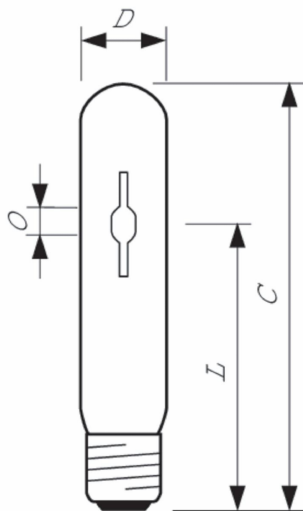


LPPR CDO-TT 0004

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 [Any or Universal (U)]

Controls and Dimming

Dimmable — Yes

Mechanical and Housing

Bulb Finish — Clear

General Information

Order Code	Full Product Name	Cap-Base
928082619230	MASTER CityWh CDO-TT Plus 70W/942 E27	E27
928082519230	MASTER CityWh CDO-TT Plus 150W/942 E40	E40
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	E27
928082119231	MASTER CityWh CDO-TT Plus 100W/828 E40	E40
928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	E40
928082319230	MASTER CityWh CDO-TT Plus 250W/830 E40	E40
928082419235	MASTER CityWh CDO-TT Plus 50W/828 E27	E27

Light Technical

Order Code	Full Product Name	Luminous Flux	Color Designation	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)
928082619230	MASTER CityWh CDO-TT Plus 70W/942 E27	7,500 lm	Cool White (CW)	0.371	0.366	4200 K	101 lm/W	90
928082519230	MASTER CityWh CDO-TT Plus 150W/942 E40	16,100 lm	Cool White (CW)	0.371	0.366	4200 K	107 lm/W	91
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	7,750 lm	Warm White (WW)	0.447	0.4	2800 K	105 lm/W	86
928082119231	MASTER CityWh CDO-TT Plus 100W/828 E40	10,450 lm	Warm White (WW)	0.447	0.4	2800 K	106 lm/W	88
928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	16,400 lm	Warm White (WW)	0.447	0.4	2800 K	110 lm/W	87
928082319230	MASTER CityWh CDO-TT Plus 250W/830 E40	28,400 lm	Warm White (WW)	0.434	0.398	3000 K	113 lm/W	88
928082419235	MASTER CityWh CDO-TT Plus 50W/828 E27	5,500 lm	Warm White (WW)	0.447	0.4	2800 K	104 lm/W	84

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Voltage (Nom)
928082619230	MASTER CityWh CDO-TT Plus 70W/942 E27	74.0 W	96 V
928082519230	MASTER CityWh CDO-TT Plus 150W/942 E40	150.0 W	97 V
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	73.5 W	91 V
928082119231	MASTER CityWh CDO-TT Plus 100W/828 E40	99.0 W	100 V
928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	148.5 W	99 V
928082319230	MASTER CityWh CDO-TT Plus 250W/830 E40	250.0 W	99 V
928082419235	MASTER CityWh CDO-TT Plus 50W/828 E27	53.0 W	83 V

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928082619230	MASTER CityWh CDO-TT Plus 70W/942 E27	T35
928082519230	MASTER CityWh CDO-TT Plus 150W/942 E40	T46
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	T35
928082119231	MASTER CityWh CDO-TT Plus 100W/828 E40	T46
928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	T46
928082319230	MASTER CityWh CDO-TT Plus 250W/830 E40	T46
928082419235	MASTER CityWh CDO-TT Plus 50W/828 E27	T31

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)	Energy Consumption kWh/ 1000 h
928082619230	MASTER CityWh CDO-TT Plus 70W/942 E27	6.6 mg	6.6 mg	74 kWh
928082519230	MASTER CityWh CDO-TT Plus 150W/942 E40	13 mg	12.6 mg	150 kWh
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	7.8 mg	7.8 mg	74 kWh
928082119231	MASTER CityWh CDO-TT Plus 100W/828 E40	12 mg	11.6 mg	99 kWh
928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	15.8 mg	15.8 mg	149 kWh
928082319230	MASTER CityWh CDO-TT Plus 250W/830 E40	25 mg	25.3 mg	250 kWh
928082419235	MASTER CityWh CDO-TT Plus 50W/828 E27	5.4 mg	5.4 mg	53 kWh

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