



The easiest switch to comfortable white light

MASTER CityWhite CDO-TT

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

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 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

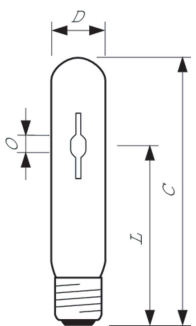
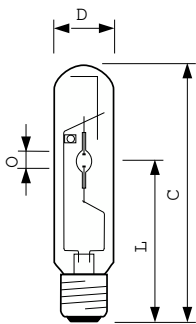


MASTER CityWhite CDO-TT Plus 70W E27



LPPR CDO-TT 0002

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

MASTER CityWhite CDO-TT

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

General Information

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

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)		
928082619230	MASTER CityWh CDO-TT Plus 70W/942 E27	0.371	0.366	Cool White (CW)	4200 K	90	101 lm/W	7,500 lm
928082519230	MASTER CityWh CDO-TT Plus 150W/942 E40	0.371	0.366	Cool White (CW)	4200 K	91	107 lm/W	16,100 lm
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	0.447	0.4	Warm White (WW)	2800 K	86	105 lm/W	7,750 lm
928082119231	MASTER CityWh CDO-TT Plus 100W/828 E40	0.447	0.4	Warm White (WW)	2800 K	88	106 lm/W	10,450 lm
928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	0.447	0.4	Warm White (WW)	2800 K	87	110 lm/W	16,400 lm
928082319230	MASTER CityWh CDO-TT Plus 250W/830 E40	0.434	0.398	Warm White (WW)	3000 K	88	113 lm/W	28,400 lm
928082419235	MASTER CityWh 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	Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928082619230	MASTER CityWh CDO-TT Plus 70W/942 E27	96 V	74.0 W	928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	99 V	148.5 W
928082519230	MASTER CityWh CDO-TT Plus 150W/942 E40	97 V	150.0 W	928082319230	MASTER CityWh CDO-TT Plus 250W/830 E40	99 V	250.0 W
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	91 V	73.5 W	928082419235	MASTER CityWh CDO-TT Plus 50W/828 E27	83 V	53.0 W
928082119231	MASTER CityWh CDO-TT Plus 100W/828 E40	100 V	99.0 W				

Mechanical and Housing

MASTER CityWhite CDO-TT

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

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

