



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 colour 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 colour rendering and harmonized warm white colour temperature
- Dimmable

Application

- Beautification and functional lighting for City centers, shopping centers 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 electronic or electromagnetic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)

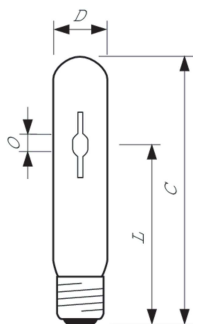
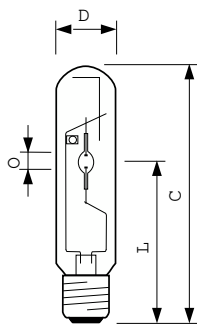
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Versions



LPPR CDO-TT 0004

Dimensional drawing



Product	D (max)	O	L	C (max)
MASTER CityWh CDO-TT Plus 150W/828 E40	47 mm	10 mm	132 mm	211 mm

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

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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	Clear

General Information

Order Code	Full Product Name	Cap-Base
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	E27

Order Code	Full Product Name	Cap-Base
928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	E40

Light Technical

Order Code	Full Product Name	Color	Luminous	Luminous
		rendering index (CRI)	Efficacy (rated) (Nom)	
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	86	105 lm/W	7,750 lm

Order Code	Full Product Name	Color	Luminous	Luminous
		rendering index (CRI)	Efficacy (rated) (Nom)	
928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	87	110 lm/W	16,400 lm

Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	91 V	73.5 W

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	99 V	148.5 W

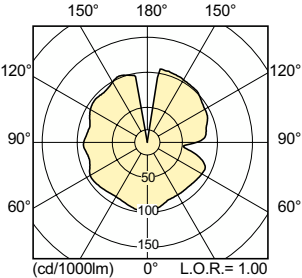
Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	T35

Order Code	Full Product Name	Bulb Shape
928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	T46

Approval and Application

Order Code	Full Product Name	Energy	Mercury (Hg)	Mercury (Hg)
		Consumption kWh/1000 h	Content (Max)	Content (Nom)
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	74 kWh	7.8 mg	7.8 mg
928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	149 kWh	15.8 mg	15.8 mg



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