



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

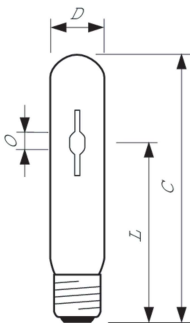
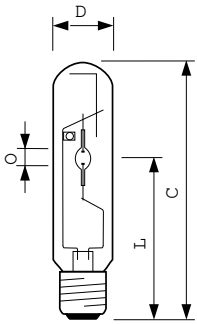
- Beautification and functional lighting for City centers, shopping centers and pedestrian areas, residential areas, road lighting and floodlighting

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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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

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

General Information	
Operating position	UNIVERSAL
Light Technical	
Chromaticity Coordinate X (Nom)	0.447
Chromaticity Coordinate Y (Nom)	0.4
Colour designation	Warm White (WW)
Correlated Colour Temperature (Nom)	2800 K
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Lamp Finish	Clear

General Information

Order Code	Full Product Name	Cap base
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	E27
928082119231	MASTER CityWh CDO-TT Plus 100W/828 E40	E40

Order Code	Full Product Name	Cap base
928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	E40
928082419235	MASTER CityWh CDO-TT Plus 50W/828 E27	E27

Light Technical

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Order Code	Full Product Name	Colour rendering index (CRI)	Luminous efficacy (rated) (nom.)	Luminous Flux
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	86	105 lm/W	7,750 lm
928082119231	MASTER CityWh CDO-TT Plus 100W/828 E40	88	106 lm/W	10,450 lm

Order Code	Full Product Name	Colour rendering index (CRI)	Luminous efficacy (rated) (nom.)	Luminous Flux
928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	87	110 lm/W	16,400 lm
928082419235	MASTER CityWh CDO-TT Plus 50W/828 E27	84	104 lm/W	5,500 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
928082119231	MASTER CityWh CDO-TT Plus 100W/828 E40	100 V	99.0 W

Order Code	Full Product Name	Voltage (nom.)	Power Consumption
928082219231	MASTER CityWh CDO-TT Plus 150W/828 E40	99 V	148.5 W
928082419235	MASTER CityWh CDO-TT Plus 50W/828 E27	83 V	53.0 W

Mechanical and Housing

Order Code	Full Product Name	Bulb shape
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
928082419235	MASTER CityWh CDO-TT Plus 50W/828 E27	T31

Approval and Application

Order Code	Full Product Name	Energy consumption kWh/1,000 hours	Mercury (Hg) content (max.)	Mercury (Hg) content (nom.)
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
928082419235	MASTER CityWh CDO-TT Plus 50W/828 E27	53 kWh	5.4 mg	5.4 mg

