



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
- $\boldsymbol{\cdot}$ 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

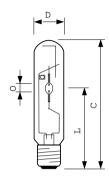
• Beautification and functional lighting for City centers, shopping centers and pedestrian areas, residential areas, road lighting and floodlighting

Warnings and Safety

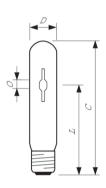
- \cdot Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- · Lamps may use electronic or electromagnetic control gear
- · Control gear must include end-of-life protection (IEC61167, IEC 62035)

MASTER CityWhite CDO-TT

Dimensional drawing



Product	D (max)	0	L	C (max)
MASTER CityWh CDO-TT Plus 150W/828 E40	47 mm	10 mm	132 mm	211 mm



Product	D (max)	0	L	C (max)
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
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

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

MASTER CityWhite CDO-TT

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

Operating and Electrical

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

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

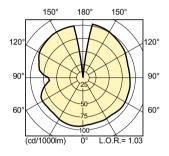
Mechanical and Housing

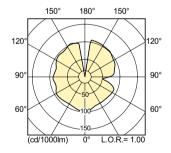
Order Code	Full Product Name	Bulb Shape
928082019235	MASTER CityWh CDO-TT Plus 70W/828 E27	T35

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

Approval and Application

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







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