



# MASTER CityWhite CDO-TT

MASTER CityWhite CDO-TT Plus 150W/828 E40

Ceramic metal halide Outdoor with clear tubular outer bulb

## Product data

### • General Characteristics

Cap-Base	GES [GES]
Bulb	T46 [T 46mm]
Bulb Finish	Clear
Burning Position	any [Any/Universal]
Life to 5% failures	8500 hr
Life to 10% failures	10000 hr
Life to 20% failures	12000 hr
Life to 50% failures	16000 hr
LSF EM 12000h	80 %
Rated,12h cycle	
LSF EM 16000h	50 %
Rated,12h cycle	
LSF EM 2000h Rated,	99 %
12h cycle	
LSF EM 4000h Rated,	99 %
12h cycle	
LSF EM 6000h Rated,	98 %
12h cycle	
LSF EM 8000h Rated,	96 %
12h cycle	

### • Electrical Characteristics

Lamp Wattage	150 W
Lamp Voltage	98 V
Lamp Current EM	1.8 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Dimmable	yes
Re-ignition Time	900 (max) s
[sec]	
Lamp Wattage EM	148 W
25°C, Rated	
Lamp Wattage EM	150 W
25°C, Nominal	

### • Environmental Characteristics

Mercury (Hg)	15.8 mg
Content	

### • Light Technical Characteristics

Colour Code	828 [CCT of 2800K]
Colour Rendering	87 Ra8
Index	
Colour Designation	Warm white
Colour Temperature	2800 K
Colour Temperature	2800 K
Technical	
Chromaticity Coordinate X	445 -
Chromaticity Coordinate Y	395 -
Lum Efficacy Rated	110 Lm/W
EM 25°C	
LLMF EM 8000h	90 %
Rated	
LLMF EM 6000h	92 %
Rated	
LLMF EM 4000h	94 %
Rated	
LLMF EM 2000h	98 %
Rated	
Luminous Flux EM	16500 Lm
25°C, Rated	

### • Product Dimensions

Overall Length C	211 (max) mm
Diameter D	47 (max) mm

# PHILIPS

sense and simplicity

# MASTER CityWhite CDO-TT

Light Center Length L 132 mm  
Arc Length O 10 mm

## • Luminaire Design Requirements

Cap-Base Temperature 250 (max) C  
Bulb Temperature 450 (max) C

## • Product Data

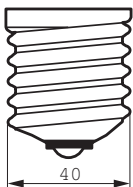
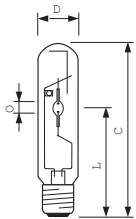
Order code 120346 00  
Full product code 871829112034600  
Full product name MASTER CityWhite CDO-TT Plus 150W/828 E40

Order product name MASTER CityWh CDO-TT Plus 150W/828 E40  
Pieces per pack 1  
Packing configuration 12  
Packs per outerbox 12  
Bar code on pack - EAN1 8718291120346  
Bar code on outerbox - EAN3 8718291120353  
Logistic code(s) - 12NC 928082219231  
ILCOS code MT-150/28/1B-H-E40  
Net weight per piece 0.135 kg

## Warnings and Safety

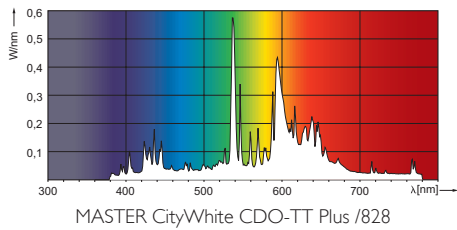
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Lamps may use electronic or electromagnetic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)

## Dimensional drawing



Product	C (Max)	D (Max)	L (Norm)	O (Norm)
CDO-TT Plus 150W/828 E40	211	47	132	10

## Photometric data



Lamps being part of this product family comply with Commission Regulation (EC) No 245/2009 – Ecodesign requirements, applicable from 13 April 2010.

### 1.3 Product information requirements on lamps

- a) Nominal and rated lamp wattage;
- b) Nominal and rated lamp luminous flux;
- c) Rated lamp efficacy at 100 h in standard conditions.
- d) Rated lamp Lumen Maintenance Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
- e) Rated lamp Survival Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
- f) Lamp mercury content as XX mg;
- g) Colour Rendering Index (Ra) of the lamp;
- h) Colour temperature of the lamp;
- i) Ambient temperature inside the luminaire at which the lamp was designed to maximise its luminous flux. If this temperature is equal to or lower than 0 °C or equal to or higher than 50 °C it shall be stated that the lamp is not suitable for indoor use at standard room temperatures;

For more information see <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:076:0017:0044:EN:PDF>



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2011, May 17  
data subject to change