



# MASTER CityWhite CDO-TT

## MASTER CityWhite CDO-TT Plus 50W/828 E27

Ceramic metal halide lamp with clear tubular outer bulb shape, used in outdoor offering pleasant white light

### Product data

General Information	
Cap base	E27 [ E27]
Operating position	UNIVERSAL [ Any/Universal]
Life to 5% failures (nom.)	13000 h
Life to 10% failures (nom.)	15000 h
Life to 20% failures (nom.)	17000 h
Life to 50% failures (nom.)	21000 h
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	98 %
LSF 12000 h Rated	90 %
LSF 16000 h Rated	74 %
LSF 20000 h Rated	50 %
Light Technical	
Colour code	828 [ CCT of 2,800 K]
Luminous flux (rated) (nom.)	5500 lm
Colour designation	Warm white (WW)
Chromaticity coordinate X (nom.)	443
Chromaticity coordinate Y (nom.)	395
Correlated colour temperature (nom.)	2800 K

Luminous efficacy (rated) (nom.)	104 lm/W
Color rendering index (min.)	81
Color rendering index (nom.)	84
LLMF 2000 h Rated	98 %
LLMF 4000 h Rated	96 %
LLMF 6000 h Rated	92 %
LLMF 8000 h Rated	88 %
LLMF 12000 h Rated	80 %
LLMF 16000 h Rated	74 %
LLMF 20000 h Rated	71 %
Ratio Scotopic/Photopic Lumens	1.30

Operating and Electrical	
Power (Rated) (Nom)	53.0 W
Lamp current run-up (max.)	0.9 A
Lamp current (EM) (nom.)	0.760 A
Ignition peak voltage (max.)	2500 V
Ignition supply voltage (min.)	198 V
Re-ignition time (min.) (max.)	720 s
Ignition time (max.)	30 s
Voltage (Max)	92 V
Voltage (Min)	76 V

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Voltage (Nom)	84 V
<b>Controls and Dimming</b>	
Dimmable	yes
Run-up time 90% (max.)	3 min
<b>Mechanical and Housing</b>	
Bulb finish	Clear
<b>Approval and Application</b>	
Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	5.4 mg
Energy Consumption kWh/1000 h	58 kWh
<b>UV</b>	
PET (NIOSH) (min.)	8 h/500lx

## Luminaire Design Requirements

Bulb temperature (max.)	350 °C
Cap base temperature (max.)	200 °C

## Product Data

Full product code	871829118561100
Order product name	MASTER CityWhite CDO-TT Plus 50W/828 E27
EAN/UPC – product	8718291185611
Order code	18561100
Local Code	50CDDOTPLUS828
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928082419235
Net weight (piece)	0.060 kg
ILCOS Code	MT-50/828-H-E27-39/156

## Warnings and Safety

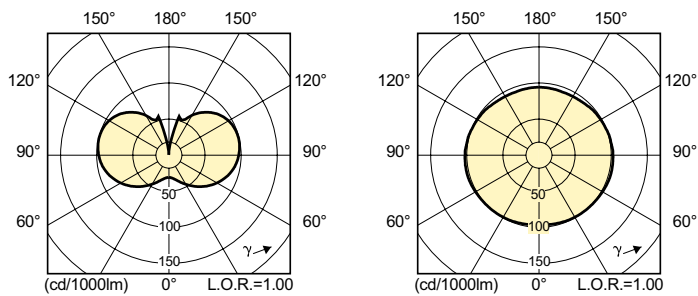
### Dimensional drawing

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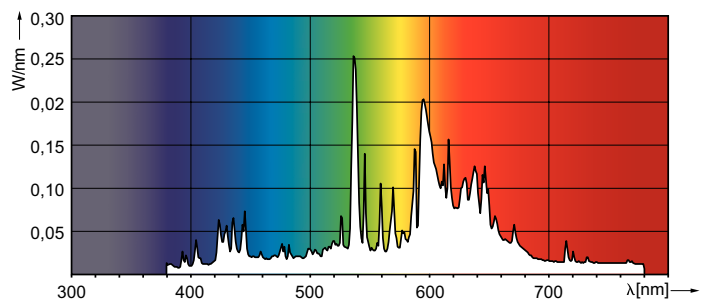
Product	D (max)	O	L	C (max)
MASTER CityWhite CDO-TT Plus 50W/828 E27	36 mm	5.25 mm	102 mm	156 mm

### CDO-TT Plus 50W/828 E27

## Photometric data



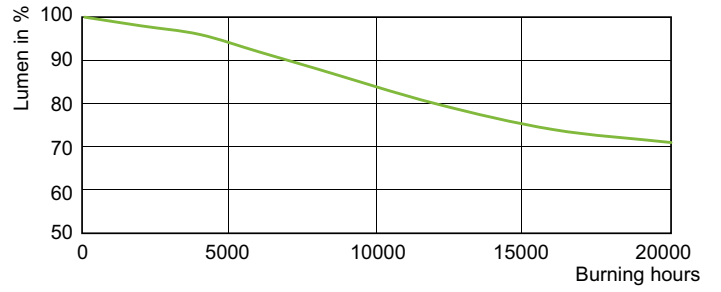
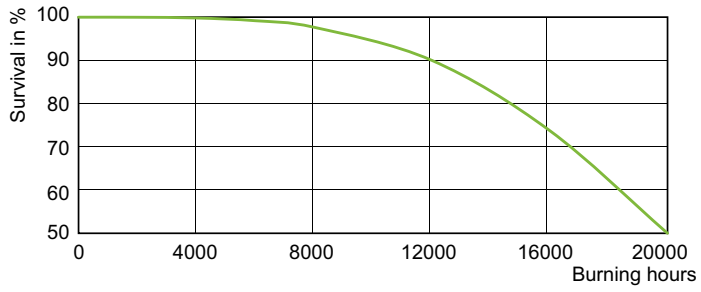
LDLD\_CDO-TT\_0006-Light distribution diagram



LDPO\_CDO-TT\_0001-Spectral power distribution Colour

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## Lifetime



LDLE\_CDO-TT\_0004-Life expectancy diagram

