



# MASTER CityWhite CDO-TT

## MASTER CityWhite CDO-TT Plus 70W/828 1SL/12

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.)	9500 h
Life to 10% failures (nom.)	12000 h
Life to 20% failures (nom.)	16500 h
Life to 50% failures (nom.)	27000 h
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	98 %
LSF 8000 h Rated	96 %
LSF 12000 h Rated	90 %
LSF 16000 h Rated	81 %
LSF 20000 h Rated	71 %

Light Technical	
Colour code	828 [ CCT of 2800K]
Luminous flux (rated) (nom.)	7500 lm
Colour designation	Warm white (WW)
Chromaticity coordinate X (nom.)	446
Chromaticity coordinate Y (nom.)	393

Correlated colour temperature (nom.)	2800 K
Luminous efficacy (rated) (nom.)	103 lm/W
Color rendering index (nom.)	90
LLMF 2000 h Rated	97 %
LLMF 4000 h Rated	93 %
LLMF 6000 h Rated	89.5 %
LLMF 8000 h Rated	86 %
LLMF 12000 h Rated	80.5 %
LLMF 16000 h Rated	76.5 %
LLMF 20000 h Rated	73.5 %

Operating and Electrical	
Power (Rated) (Nom)	73.0 W
Lamp current run-up (max.)	2 A
Lamp current (EM) (nom.)	0.95 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)	101 V
Voltage (Min)	85 V

# MASTER CityWhite CDO-TT

Voltage (Nom)	93 V
<b>Controls and Dimming</b>	
Dimmable	yes
Run-up time 90% (max.)	3 min
<b>Mechanical and Housing</b>	
Bulb finish	Clear (CL)
<b>Approval and Application</b>	
Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	7.8 mg
Energy Consumption kWh/1000 h	80 kWh
<b>UV</b>	
PET (NIOSH) (min.)	8 h/500lx

## Luminaire Design Requirements

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

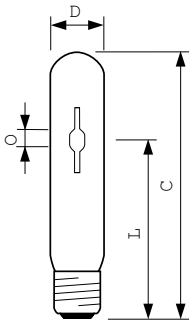
## Product Data

Full product code	871829112030800
Order product name	MASTER CityWhite CDO-TT Plus 70W/828 E27
EAN/UPC – product	8718291120308
Order code	12030800
Local Code	70CDOTPLUS828
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928082019235
Net weight (piece)	0.048 kg
ILCOS Code	MT-70/828-H-E27-39/156

## 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



CDO-TT Plus 70W/828 E27

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

# MASTER CityWhite CDO-TT

## Photometric data

