



# MASTERColour CDM-Tm Elite Mini

## MASTERColour CDM-Tm Elite Mini 20W/830 GU6.5 1CT

Mini, single-ended, very high-efficiency, long-life Ceramic Metal Halide discharge lamp producing crisp white sparkling light with high colour rendering

### 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
- Use only with electronic control gear
- For 50W use with Philips electronic gear only
- Control gear must include end-of-life protection (IEC61167, IEC 62035)

### Product data

General Information			
Cap base	GU6.5 [ GU6.5]	Lumen maintenance 1,000 hours (nom.)	91 %
Burning Position	UNIVERSAL [ Any/Universal]	Lumen maintenance 12,000 hours (nom.)	77 %
Life to 5% failures (nom.)	12000 h	Lumen maintenance 10,000 hours (nom.)	78 %
Life to 10% failures (nom.)	14000 h	Lumen maintenance 2,000 hours (nom.)	87 %
Life to 20% failures (nom.)	16000 h	Lumen maintenance 4,000 hours (nom.)	84 %
Life to 50% failures (nom.)	20000 h	Lumen maintenance 5,000 hours (nom.)	83 %
ANSI code HID	C156/E	Chromaticity coordinate X (nom.)	0.436
		Chromaticity coordinate Y (nom.)	0.396
		Colour Temperature, horizontal (Nom)	3000 K
		Lamp Luminous Efficacy EM (Nom)	90 lm/W
		Colour Rendering Index,horiz (Min)	81
		Colour Rendering Index,horiz (Nom)	84
Light Technical			
Colour Code	830 [ CCT of 3,000 K]		
Lamp Luminous Flux (Min)	1620 lm		
Lamp Luminous Flux (Nom)	1800 lm		
Colour Designation	Warm white (WW)		

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## Operating and Electrical

Power (Rated) (Nom)	20.1 W
Lamp current run-up (max.)	0.5 A
Re-ignition time (min.) (max.)	15 min
Ignition time (max.)	30 s
Voltage (Max)	100 V
Voltage (Min)	90 V
Voltage (Nom)	95 V

## Controls and Dimming

Dimmable	No
Run-up time 90% (max.)	3 min

## Mechanical and Housing

Lamp Finish	Clear
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## Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	3.5 mg
Energy consumption kWh/1,000 hours	22 kWh

## UV

PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.5

## Luminaire Design Requirements

Bulb temperature (max.)	380 °C
Cap-base temperature (max.)	250 °C

## Product Data

Full product code	872790089083900
Order product name	MASTERCLOUR CDM-Tm Elite Mini 20W/830 GU6.5 1CT
EAN/UPC – product	8727900890839
Order code	928183505130
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928183505130
SAP net weight (piece)	0.007 kg
ILCOS code	MT/UB-20/830-H-GU6.5-13.3/52

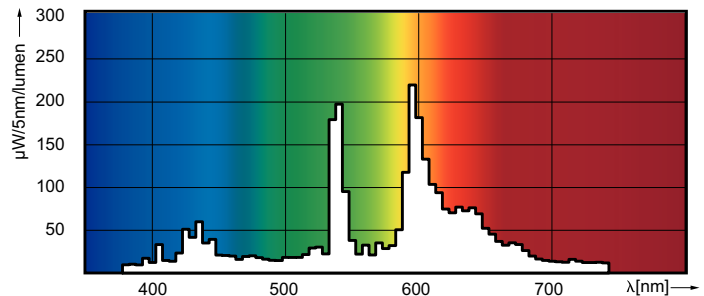
## Dimensional drawing

D

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERCLOUR CDM-Tm Elite Mini 20W/830	13.3 mm	0.5 in	3.4 mm	28 mm	32 mm	30 mm	56.7 mm
GU6.5 1CT							

## CDM-Tm 20W/830 GU6.5

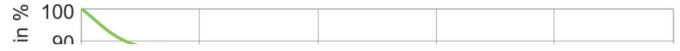
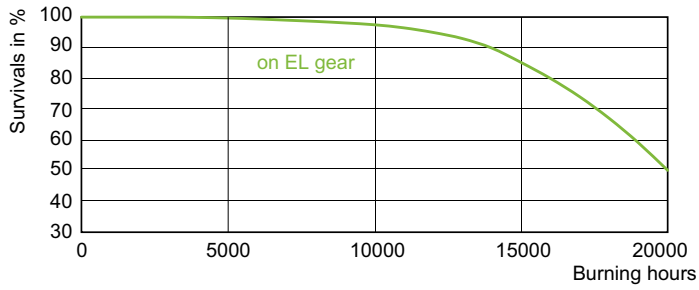
## Photometric data



LDPO\_CDM-Tm\_20W\_830\_GU65-Spectral power distribution Colour

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## Lifetime



LDLE\_CDM-T-E\_0006-Life expectancy diagram

