



# 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)            |                                       |         |

# MASTERC colour CDM-Tm Elite Mini

## 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 |
|-------------|-------|

## 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                | MASTERC colour 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   |
| Material no. (12 NC)              | 928183505130                                       |
| SAP net weight (piece)            | 0.007 kg   |
| ILCOS code                        | MT/UB-20/830-H-GU6.5-13.3/52                       |

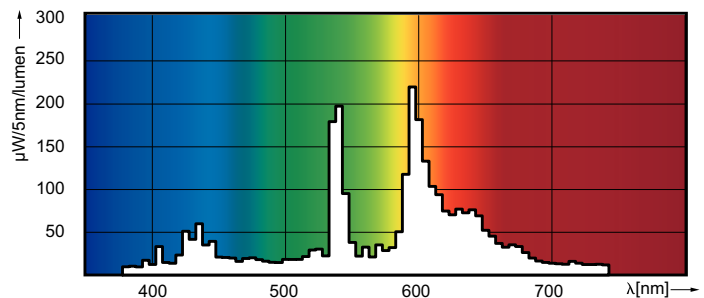
## Dimensional drawing

D

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

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

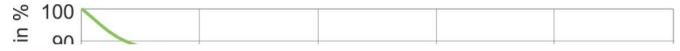
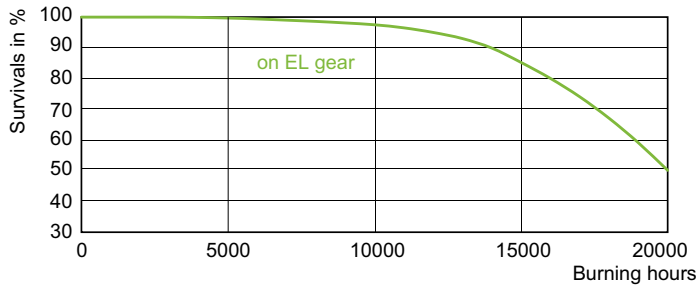
## Photometric data



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

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## Lifetime



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

