



# MASTERColour CDM-T



## MASTERColour CDM-T 35W/830 G12 1CT/12

Range of single-ended, compact, high-efficiency, discharge lamps with a stable colour over lifetime and a crisp, sparkling light

### 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
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Lamps may use electronic or electromagnetic control gear, except 35W/942 and 20W lamps, which must use electronic control gear.
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

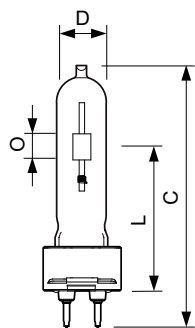
### Product data

| General Information         |                            |                                       |                 |
|-----------------------------|----------------------------|---------------------------------------|-----------------|
| Cap base                    | G12 [ G12]                 | Luminous flux (rated) (nom.)          | 3100 lm         |
| Operating position          | UNIVERSAL [ Any/Universal] | Colour designation                    | Warm white (WW) |
| Life to 5% failures (nom.)  | 9000 h                     | Lumen maintenance 10,000 hours (nom.) | 50 %            |
| Life to 10% failures (nom.) | 10000 h                    | Lumen maintenance 2,000 hours (min.)  | 70 %            |
| Life to 20% failures (nom.) | 11000 h                    | Lumen maintenance 2,000 hours (nom.)  | 80 %            |
| Life to 50% failures (nom.) | 12000 h                    | Lumen maintenance 5,000 hours (min.)  | 60 %            |
| ANSI code HID               | C130/E                     | Lumen maintenance 5,000 hours (nom.)  | 70 %            |
|                             | Sphere                     | Chromaticity coordinate X (nom.)      | 0.434           |
|                             |                            | Chromaticity coordinate Y (nom.)      | 0.398           |
|                             |                            | Correlated Colour Temperature (Nom)   | 3000 K          |
|                             |                            | Luminous efficacy (rated) (nom.)      | 79 lm/W         |
|                             |                            | Colour rendering index (nom.)         | 83              |
| Light Technical             |                            |                                       |                 |
| Colour Code                 | 830 [ CCT of 3,000 K]      |                                       |                 |
| Luminous flux (nom.)        | 3100 lm                    |                                       |                 |

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| Operating and Electrical       |               |
|--------------------------------|---------------|
| Power (Rated) (Nom)            | 39.1 W        |
| Lamp current run-up (max.)     | 0.8 A         |
| Lamp current (EM) (nom.)       | 0.53 A        |
| Ignition supply voltage (max.) | 198 V         |
| Ignition peak voltage (max.)   | 5000 V        |
| Ignition supply voltage (min.) | 198 V         |
| Ignition peak voltage (min.)   | 3500 V        |
| Re-ignition time (min.) (max.) | 15 min        |
| Ignition time (max.)           | 30 s          |
| Voltage (Max)                  | 90 V          |
| Voltage (Min)                  | 76 V          |
| Voltage (Nom)                  | 82 V          |
| Controls and Dimming           |               |
| Dimmable                       | No            |
| Run-up time 90% (max.)         | 3 min         |
| Mechanical and Housing         |               |
| Lamp Finish                    | Clear         |
| Bulb shape                     | T19 [ T 19mm] |
| Approval and Application       |               |
| Energy Efficiency Class        | G             |
| Mercury (Hg) content (max.)    | 3.2 mg        |
| Mercury (Hg) content (nom.)    | 3.1 mg        |

## Dimensional drawing



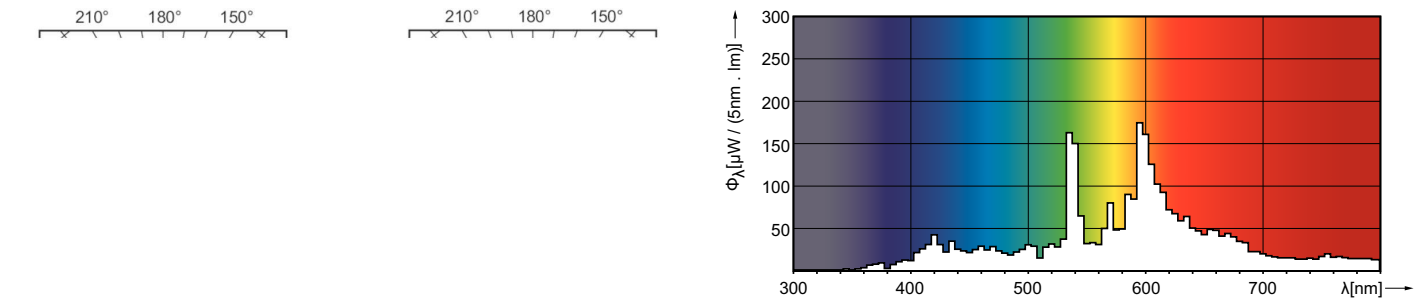
CDM-T 35W/830 G12

| Energy consumption kWh/1,000 hours | 40 kWh                                |
|------------------------------------|---------------------------------------|
|                                    | 473333                                |
| UV                                 |                                       |
| PET (NIOSH) (min.)                 | 8 h/500lx                             |
| Damage factor D/fc (max.)          | 0.3                                   |
| Luminaire Design Requirements      |                                       |
| Bulb temperature (max.)            | 500 °C                                |
| Cap-base temperature (max.)        | 280 °C                                |
| Pinch temperature (max.)           | 350 °C                                |
| Product Data                       |                                       |
| Full product code                  | 871150019697215                       |
| Order product name                 | MASTERColour CDM-T 35W/830 G12 ICT/12 |
| EAN/UPC – product                  | 8711500196972                         |
| Order code                         | 19697215                              |
| Local order code                   | 35CDMT830                             |
| SAP numerator – quantity per pack  | 1                                     |
| Numerator – packs per outer box    | 12                                    |
| SAP material                       | 928083105125                          |
| SAP net weight (piece)             | 27.000 g                              |
| ILCOS code                         | MT/UB-35/830-H-G12-20/90              |

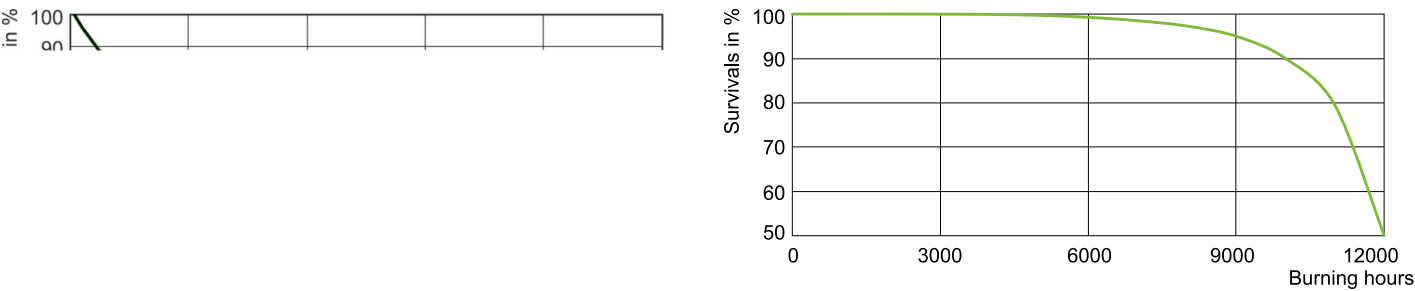
| Product            | D (max) | D       | O    | L (min) | L (max) | L  | C (max) |
|--------------------|---------|---------|------|---------|---------|----|---------|
| MASTERColour CDM-T | 20 mm   | 0.75 in | 5 mm | 55 mm   | 57 mm   | 56 | 103 mm  |
| 35W/830 G12 ICT/12 |         |         |      |         |         | mm |         |

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Photometric data



Lifetime



LDLE\_CDM-T\_0001-Life expectancy diagram

