



# MASTERColour CDM-T

## MASTERColour CDM-T 70W/830 G12 1CT/12

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

### Product data

General Information	
Cap base	G12 [ G12]
Operating position	UNIVERSAL [ Any/Universal]
Life to 5% failures (nom.)	9000 h
Life to 10% failures (nom.)	10000 h
Life to 20% failures (nom.)	11000 h
Life to 50% failures (nom.)	12000 h
ANSI code HID	C139/E

Light Technical	
Colour code	830 [ CCT of 3,000 K]
Luminous flux (rated) (min.)	5600 lm
Luminous flux (rated) (nom.)	6200 lm
Colour designation	Warm white (WW)
Lumen maintenance 10,000 hours (nom.)	70 %
Lumen maintenance 2,000 hours (min.)	75 %
Lumen maintenance 2,000 hours (nom.)	85 %
Lumen maintenance 5,000 hours (min.)	70 %
Lumen maintenance 5,000 hours (nom.)	80 %
Chromaticity coordinate X (nom.)	0.432
Chromaticity coordinate Y (nom.)	0.395
Correlated colour temperature (nom.)	3000 K

Luminous efficacy (rated) (nom.)	85 lm/W
Color rendering index (nom.)	84

Operating and Electrical	
Power (Rated) (Nom)	73 W
Lamp current run-up (max.)	1.4 A
Lamp current (EM) (nom.)	0.98 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)	96 V
Voltage (Min)	80 V
Voltage (Nom)	88 V

Controls and Dimming	
Dimmable	no
Run-up time 90% (max.)	3 min

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## Mechanical and Housing

Bulb finish Clear

## Approval and Application

Energy efficiency label (EEL) A  
 Mercury (Hg) content (nom.) 4.6 mg  
 Energy Consumption kWh/1000 h 80 kWh

## 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

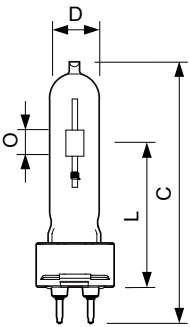
Pinch temperature (max.) 350 °C

## Product Data

Full product code 871150019699615  
 Order product name MASTERColour CDM-T 70W/830 G12 1CT/12  
 EAN/UPC – product 8711500196996  
 Order code 19699615  
 Local Code 70CDMT830  
 Numerator – quantity per pack 1  
 Numerator – packs per outer box 12  
 Material no. (12NC) 928082305125  
 Net weight (piece) 29.000 g  
 ILCOS Code MT/UB-70/830-H-G12-20/90

## Warnings and Safety

### Dimensional drawing

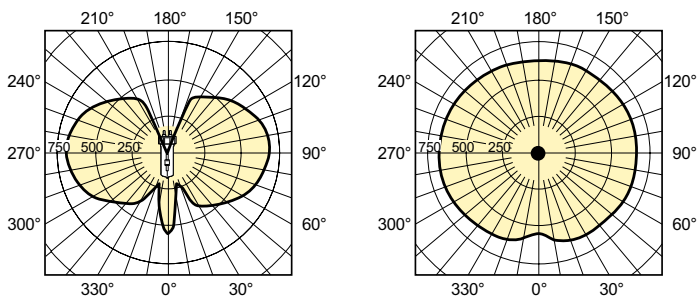


CDM-T 70W/830 G12

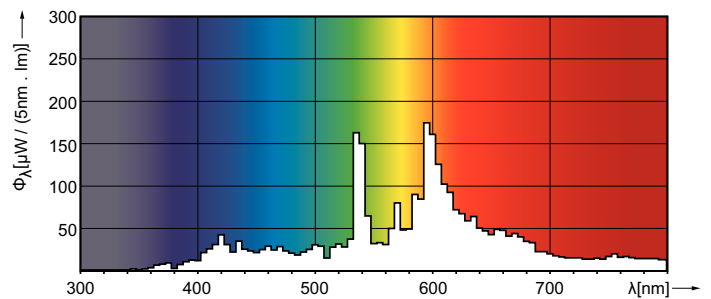
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## Photometric data

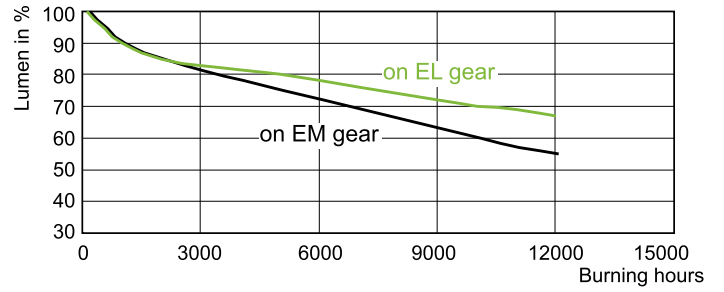
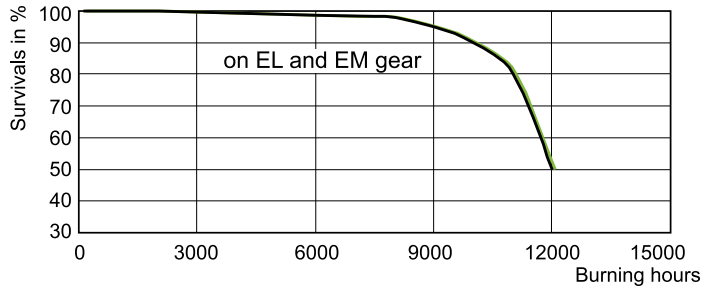


LDLD\_CDM-T\_70W\_830\_942-Light distribution diagram



# MASTERCcolour CDM-T

## Lifetime



LDLE\_CDM-T\_70W\_830-Life expectancy diagram

LDLM\_CDM-T\_70W\_830-Lumen maintenance diagram

