



# MASTERColour CDM-T



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

Range of single-ended, compact, high-efficiency, discharge lamps with a stable color 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		Luminous Flux (Rated) (Nom)	
Cap-Base	G12 [ G12]		3100 lm
Operating Position	UNIVERSAL [ Any or Universal (U)]	Color Designation	Warm White (WW)
Life to 5% Failures (Nom)	9000 h	Lumen Maintenance 10000 h (Nom)	50 %
Life To 10% Failures (Nom)	10000 h	Lumen Maintenance 2000 h (Min)	70 %
Life to 20% Failures (Nom)	11000 h	Lumen Maintenance 2000 h (Nom)	80 %
Life to 50% Failures (Nom)	12000 h	Lumen Maintenance 5000 h (Min)	60 %
ANSI Code HID	C130/E	Lumen Maintenance 5000 h (Nom)	70 %
Flux measurement reference	Sphere	Chromaticity Coordinate X (Nom)	0.434
		Chromaticity Coordinate Y (Nom)	0.398
		Correlated Color Temperature (Nom)	3000 K
		Luminous Efficacy (rated) (Nom)	79 lm/W
		Color Rendering Index (Nom)	83
Light technical			
Color Code	830 [ CCT of 3000K]		
Luminous Flux (Nom)	3100 lm		

# MASTERCcolour CDM-T

## Operating and electrical

Power (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

Bulb 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
Energy Consumption kWh/1000 h	40 kWh

EPREL Registration Number	473333
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## UV

Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.3

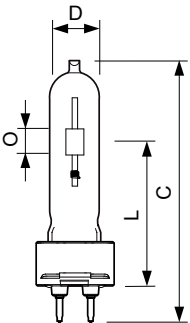
## Luminaire design requirements

Bulb Temperature (Max)	500 °C
Cap-Base Temperature (Max)	280 °C
Cap-Base Temperature (Max)-DUP(do not use)	536 °F
Pinch Temperature (Max)	350 °C
Pinch Temperature (Max)-DUP(do not use)	350 °C

## Product data

Full product code	871150019697215
Order product name	MASTERCcolour CDM-T 35W/830 G12 1CT/12
EAN/UPC - Product	8711500196972
Order code	928083105125
Numerator - Quantity Per Pack	1
Local code description	8348265
Numerator - Packs per outer box	12
Material Nr. (12NC)	928083105125
Net Weight (Piece)	27.000 g
ILCOS Code	MT/UB-35/830-H-G12-20/90

## Dimensional drawing

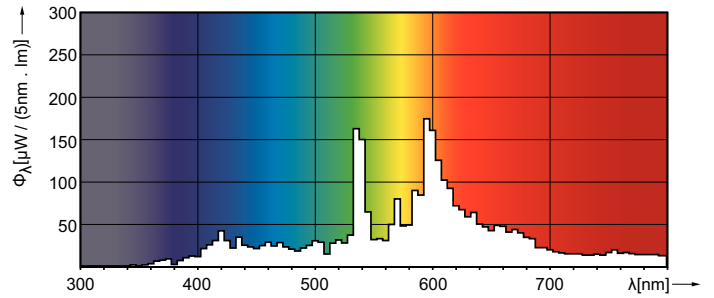
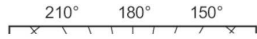
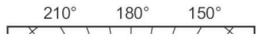


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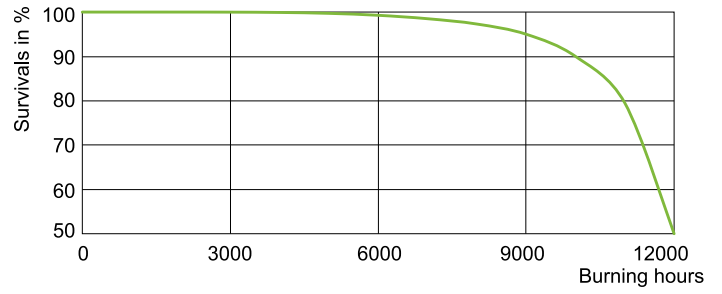
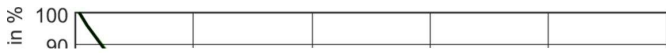
Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T 35W/830 G12 1CT/12	20 mm	0.75 in	5 mm	55 mm	57 mm	56	103 mm
							mm

# MASTERC colour CDM-T

## Photometric data



## Lifetime



LDLE\_CDM-T\_0001-Life expectancy diagram

