



# MASTERColour CDM-T



## MASTERColour CDM-T 150W/830 G12 1CT

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

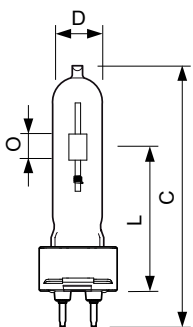
General information			
Cap base	G12 [ G12]	Luminous flux (rated) (min.)	11700 lm
Operating position	UNIVERSAL [ Any/Universal]	Luminous flux (rated) (nom.)	13000 lm
Life to 5% failures (nom.)	9000 h	Colour designation	Warm white (WW)
Life to 10% failures (nom.)	10000 h	Lumen maintenance 10,000 hours (nom.)	60 %
Life to 20% failures (nom.)	11000 h	Lumen maintenance 2,000 hours (min.)	65 %
Life to 50% failures (nom.)	12000 h	Lumen maintenance 2,000 hours (nom.)	75 %
ANSI code HID	C142/E	Lumen maintenance 5,000 hours (min.)	60 %
	Sphere	Lumen maintenance 5,000 hours (nom.)	70 %
Light technical		Chromaticity coordinate X (nom.)	0.434
Colour Code	830 [ CCT of 3,000 K]	Chromaticity coordinate Y (nom.)	0.398
Luminous flux (nom.)	13000 lm	Correlated Colour Temperature (Nom)	3000 K
		Luminous efficacy (rated) (nom.)	88 lm/W

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Colour rendering index (nom.)	88
<b>Operating and electrical</b>	
Power (Rated) (Nom)	150.1 W
Lamp current run-up (max.)	2.5 A
Lamp current (EM) (nom.)	1.8 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)	106 V
Voltage (Min)	86 V
Voltage (Nom)	96 V
<b>Controls and dimming</b>	
Dimmable	No
Run-up time 90% (max.)	3 min
<b>Mechanical and housing</b>	
Lamp Finish	Clear
Bulb shape	T19 [ T 19mm]
<b>Approval and application</b>	
Energy Efficiency Class	G
Mercury (Hg) content (max.)	14.3 mg
Mercury (Hg) content (nom.)	14.3 mg
Energy consumption kWh/1,000 hours	151 kWh

	473335
<b>UV</b>	
PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.3
<b>Luminaire design requirements</b>	
Bulb temperature (max.)	650 °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
<b>Product data</b>	
Full product code	871150019780115
Order product name	MASTERColour CDM-T 150W/830 G12 1CT
EAN/UPC – product	8711500197801
Order code	19780115
Local order code	150CDMT830
SAP numerator – quantity per pack	1
Local code description	8348300
Numerator – packs per outer box	12
SAP material	928083705125
Net Weight (Piece)	33.000 g
ILCOS code	MT/UB-150/830-H-G12-21/100

## Dimensional drawing

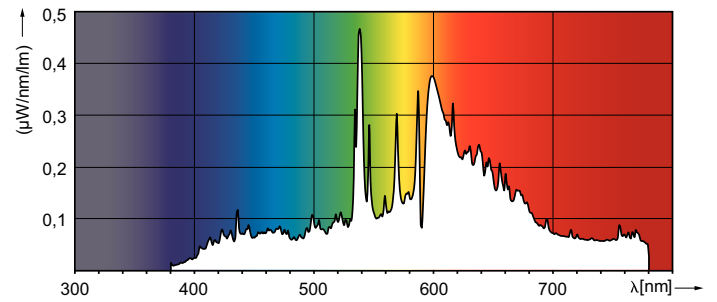
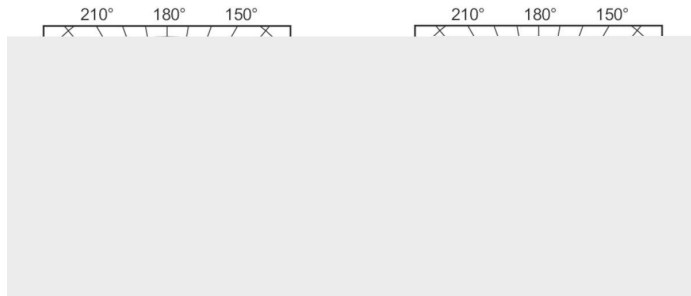


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Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T 150W/830 G12 1CT	20 mm	0.75 in	9 mm	55 mm	57 mm	56 mm	110 mm

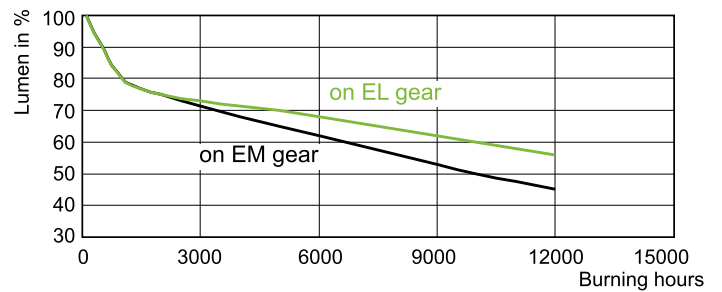
# MASTERCcolour CDM-T

## Photometric data



LDPO\_CDM-T\_150W\_830-Spectral power distribution Colour

## Lifetime



LDLM\_CDM-T\_150W\_830-Lumen maintenance diagram

