



# MASTERColour CDM-TC



## MASTERColour CDM-TC 35W/830 G8.5 1CT/12

Range of single-ended, very 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)
- Use only with electronic control gear. 35W/830 lamps may also use electromagnetic 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		Colour designation	
Cap base	G8.5 [ G8.5]		Warm white (WW)
Operating position	UNIVERSAL [ Any/Universal]	Lumen maintenance 10,000 hours (nom.)	50 %
Life to 5% failures (nom.)	9000 h	Lumen maintenance 2,000 hours (min.)	70 %
Life to 10% failures (nom.)	10000 h	Lumen maintenance 2,000 hours (nom.)	80 %
Life to 20% failures (nom.)	11000 h	Lumen maintenance 5,000 hours (min.)	50 %
Life to 50% failures (nom.)	12000 h	Lumen maintenance 5,000 hours (nom.)	65 %
ANSI code HID	C130/E	Chromaticity coordinate X (nom.)	0.434
	Sphere	Chromaticity coordinate Y (nom.)	0.398
		Correlated Colour Temperature (Nom)	3000 K
		Luminous efficacy (rated) (nom.)	79 lm/W
		Colour rendering index (nom.)	81
Light Technical		Operating and Electrical	
Colour Code	830 [ CCT of 3,000 K]	Power (Rated) (Nom)	39.1 W
Luminous flux (nom.)	3100 lm		
Luminous flux (rated) (nom.)	3100 lm		

## MASTERCcolour CDM-TC

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)	96 V
Voltage (Min)	80 V
Voltage (Nom)	88 V

### Controls and Dimming

Dimmable	No
Run-up time 90% (max.)	3 min

### Mechanical and Housing

Lamp Finish	Clear
Bulb material	UV-Block Quartz
Bulb shape	T14 [ T 14 mm]

### Approval and Application

Energy Efficiency Class	G
Mercury (Hg) content (max.)	3.1 mg
Mercury (Hg) content (nom.)	3.1 mg

Energy consumption kWh/1,000 hours	40 kWh
	473341

### UV

PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.3

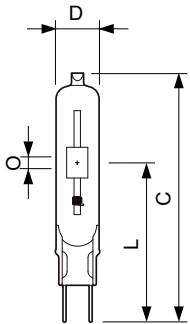
### Luminaire Design Requirements

Bulb temperature (max.)	500 °C
Pinch temperature (max.)	300 °C

### Product Data

Full product code	871150020000615
Order product name	MASTERCcolour CDM-TC 35W/830 G8.5 1CT/12
EAN/UPC – product	8711500200006
Order code	20000615
Local order code	35CDMTC830
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928085205125
SAP net weight (piece)	10.000 g
ILCOS code	MT/UB-35/830-H-G8.5-17/85

## Dimensional drawing

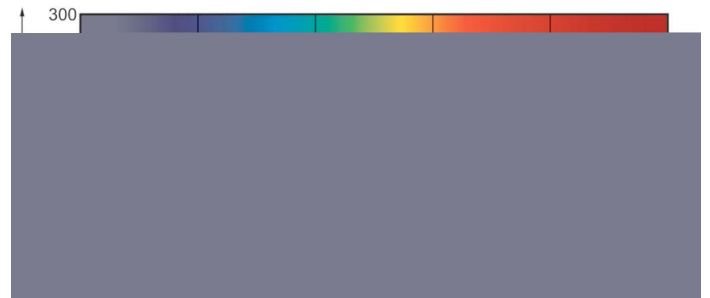
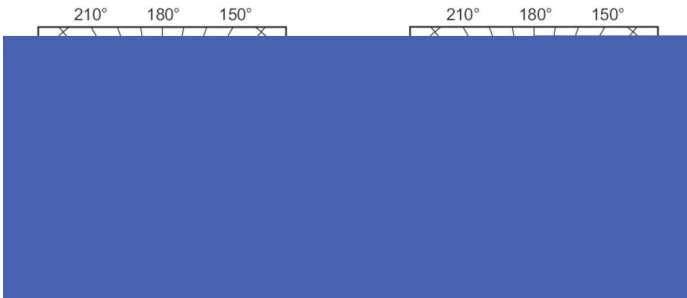


CDM-TC 35W/830 G8.5

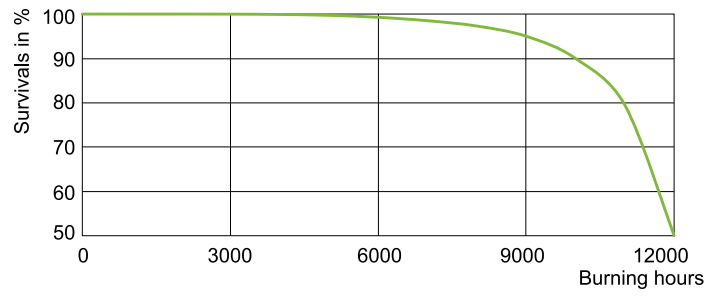
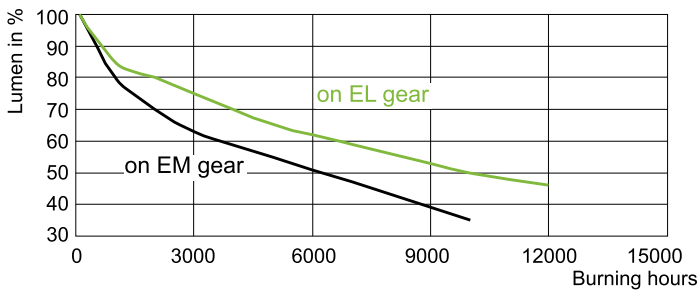
Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERCcolour CDM-TC 35W/830 G8.5 1CT/12	15 mm	0.5 in	5 mm	51 mm	53 mm	52 mm	85 mm

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## Photometric data



## Lifetime



LDLM\_CDM-TC\_35W\_830-Lumen maintenance diagram

LDLE\_CDM-TC\_0001-Life expectancy diagram

