



# MASTERColour CDM-TC

## MASTERColour CDM-TC 35W/842 G8.5 1CT/12

Range of single-ended, very 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)
- 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	
Cap base	G8.5 [ G8.5]
Operating position	UNIVERSAL [ Any or Universal (U)]
Life to 5% failures (nom.)	6000 h
Life to 10% failures (nom.)	8000 h
Life to 20% failures (nom.)	9000 h
Life to 50% failures (nom.)	12000 h
ANSI code HID	-
Light Technical	
Colour Code	842 [ CCT of 4,200 K]
Luminous flux (rated) (nom.)	3100 lm
Colour designation	Cool White (CW)
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.)	0.374
Chromaticity coordinate Y (nom.)	0.369
Correlated Colour Temperature (Nom)	4200 K
Luminous efficacy (rated) (nom.)	79 lm/W
Colour rendering index (nom.)	85
Operating and Electrical	
Power (Rated) (Min)	39.0 W
Power (Rated) (Nom)	39.1 W
Ignition supply voltage (max.)	198 V

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Ignition supply voltage (min.)	198 V
Re-ignition time (min.) (max.)	15 min
Ignition time (max.)	30 s
Voltage (Max)	93 V
Voltage (Min)	77 V
Voltage (Nom)	85 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

Mercury (Hg) content (nom.)	2.7 mg
Energy consumption kWh/1,000 hours	43 kWh

## UV

PET (NIOSH) (min.)	8 h/500lx
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Damage factor D/fc (max.)	0.5
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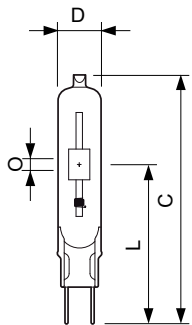
## Luminaire Design Requirements

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

## Product Data

Full product code	871869648461600
Order product name	MASTERCcolour CDM-TC 35W/842 G8.5 1CT/12
EAN/UPC – product	8718696484616
Order code	48461600
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928093805129
SAP net weight (piece)	10.000 g
ILCOS code	MT/UB-35/842-H-G8.5-17/85

## Dimensional drawing



MASTERCcolour CDM-TC 35W/842 G8.5 1CT/12

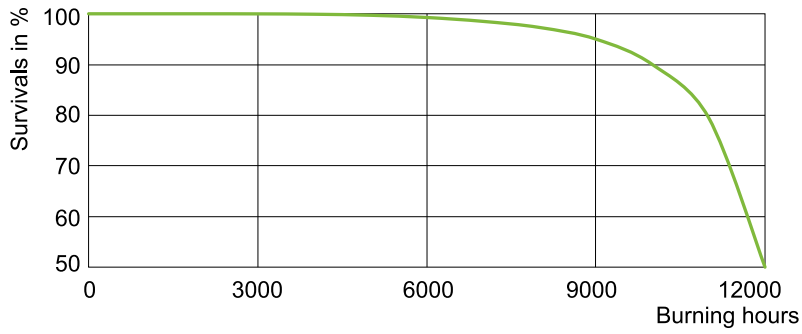
Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERCcolour CDM-TC 35W/842 G8.5 1CT/12	15 mm	0.5 in	5 mm	51 mm	53 mm	52 mm	85 mm

## Photometric data



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## Lifetime



LDLE\_CDM-TC\_0001-Life expectancy diagram

