



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 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)	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	C130/E
Light Technical	
Color Code	830 [CCT of 3000K]
Luminous Flux (Rated) (Nom)	3100 lm
Color Designation	Warm White (WW)
Lumen Maintenance 10000 h (Nom)	50 %

Lumen Maintenance 2000 h (Min)	70 %
Lumen Maintenance 2000 h (Nom)	80 %
Lumen Maintenance 5000 h (Min)	50 %
Lumen Maintenance 5000 h (Nom)	65 %
Chromaticity Coordinate X (Nom)	0.432
Chromaticity Coordinate Y (Nom)	0.394
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	79 lm/W
Color Rendering Index (Nom)	81
Operating and Electrical	
Power (Nom)	39.1 W
Lamp Current Run-Up (Max)	0.8 A
Lamp Current (EM) (Nom)	0.53 A

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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

Bulb Finish	Clear
Bulb Material	UV-Block Quartz

Approval and Application

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	3.1 mg
Energy Consumption kWh/1000 h	43 kWh

UV

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

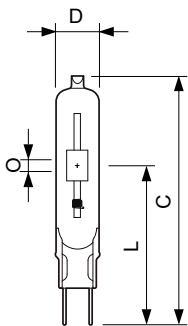
Luminaire Design Requirements

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	928085205125
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928085205125
Net Weight (Piece)	10.000 g
ILCOS Code	MT/UB-35/830-H-G8.5-17/85

Dimensional drawing

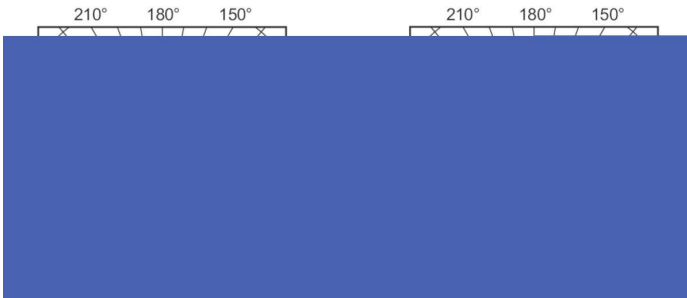


CDM-TC 35W/830 G8.5

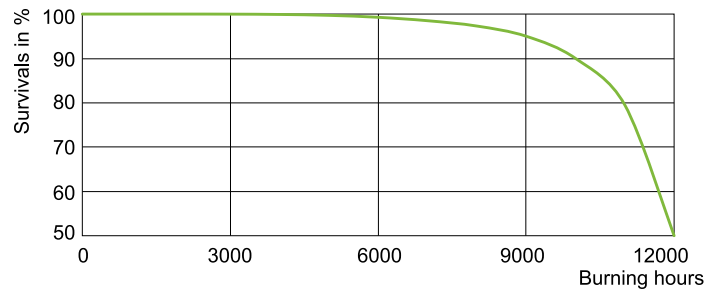
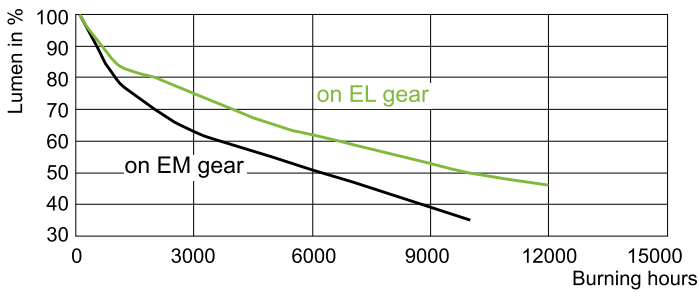
Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERCcolour CDM-TC 35W/830 G8.5 1CT/12	15 mm	0.5 in	5 mm	51 mm	53 mm	52 mm	85 mm

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Photometric data



Lifetime



LDLM_CDM-TC_35W_830-Lumen maintenance diagram

LDLE_CDM-TC_0001-Life expectancy diagram

