



# MASTERColour CDM-TC Elite

## MASTERColour CDM-TC Elite 70W/942 G8.5 1CT

Compact, single-ended, very high-efficiency, long-life ceramic metal-halide discharge lamp producing crisp white sparkling light with high color rendering

### 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
- Use only with electronic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- 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]	Lumen Maintenance 12000 h (Nom)	80 %
Operating Position	UNIVERSAL [ Any or Universal (U)]	Lumen Maintenance 10000 h (Nom)	81 %
Life to 5% Failures (Nom)	9000 h	Lumen Maintenance 2000 h (Nom)	88 %
Life To 10% Failures (Nom)	10000 h	Lumen Maintenance 5000 h (Nom)	85 %
Life to 20% Failures (Nom)	12000 h	Chromaticity Coordinate X (Nom)	0.365
Life to 50% Failures (Nom)	15000 h	Chromaticity Coordinate Y (Nom)	0.363
ANSI Code HID	-	Correlated Color Temperature (Nom)	4200 K
		Luminous Efficacy (rated) (Nom)	102 lm/W
		Color Rendering Index (Min)	89
		Color Rendering Index (Nom)	92
Light Technical		Operating and Electrical	
Color Code	942 [ CCT of 4200K]	Power (Nom)	73.2 W
Luminous Flux (Rated) (Min)	6700 lm	Ignition Supply Voltage (Min)	198 V
Luminous Flux (Rated) (Nom)	7450 lm		
Color Designation	Cool White (CW)		

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Re-ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	94 V
Voltage (Min)	82 V
Voltage (Nom)	88 V

## Controls and Dimming

Dimmable	No
Run-Up Time 90% (Max)	3 min

## Mechanical and Housing

Bulb Finish	Clear
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## Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	6.6 mg
Energy Consumption kWh/1000 h	80 kWh

## UV

Pet (Niosh) (Min)	8 h/500lx
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Damage Factor D/fc (Max)	0.4
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## Luminaire Design Requirements

Bulb Temperature (Max)	500 °C
Pinch Temperature (Max)	300 °C

## Product Data

Full product code	871829116368800
Order product name	MASTERCcolour CDM-TC Elite 70W/942 G8.5 1CT
EAN/UPC - Product	8718291163688
Order code	928193905131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928193905131
Net Weight (Piece)	0.009 kg
ILCOS Code	MT/UB-70/942-H-G8.5-17/85

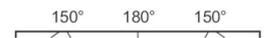
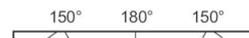
## Dimensional drawing

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Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERCcolour CDM-TC	15 mm	7.75	51 mm	53 mm	52 mm	85 mm
Elite 70W/942 G8.5 1CT		mm				

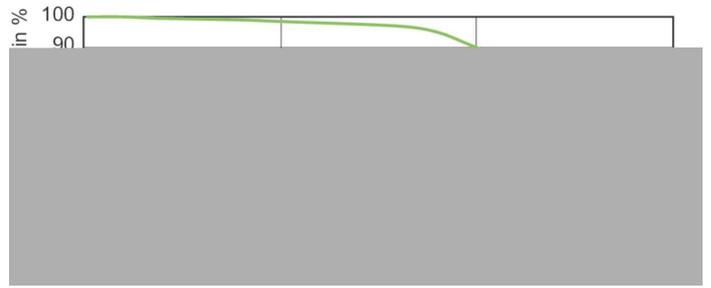
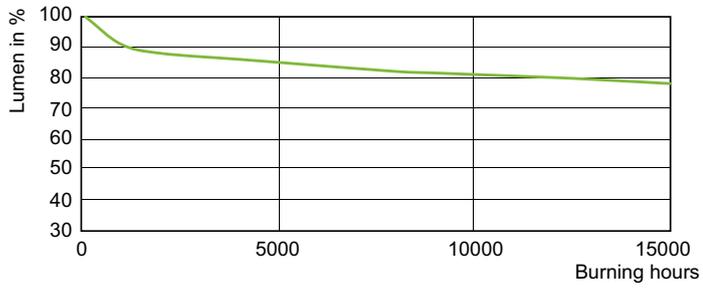
## CDM-TC Elite 70W/942 G8.5

## Photometric data



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## Lifetime



LDLM\_CDMTC-E\_0007-Lumen maintenance diagram

