



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
Light Technical		Luminous Efficacy (rated) (Nom)	102 lm/W
Color Code	942 [CCT of 4200K]	Color Rendering Index (Min)	89
Luminous Flux (Rated) (Min)	6700 lm	Color Rendering Index (Nom)	92
Luminous Flux (Rated) (Nom)	7450 lm	Operating and Electrical	
Color Designation	Cool White (CW)	Power (Nom)	73.2 W
		Ignition Supply Voltage (Min)	198 V

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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	871869648473900
Order product name	MASTERColour CDM-TC Elite 70W/942 G8.5 1CT
EAN/UPC - Product	8718696484739
Order code	928193905129
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928193905129
Net Weight (Piece)	9.000 g
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)
MASTERColour CDM-TC	15 mm	7.75	51 mm	53 mm	52 mm	85 mm
Elite 70W/942 G8.5 1CT		mm				

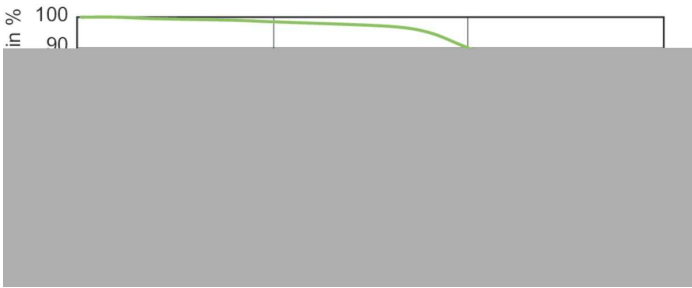
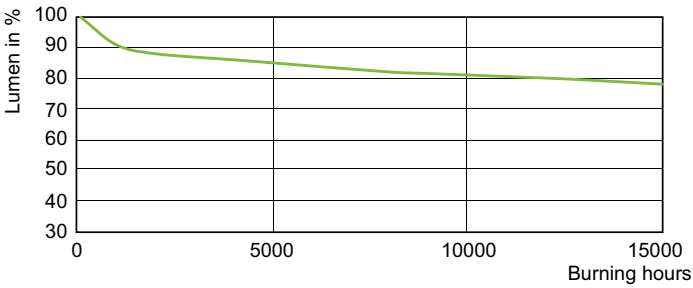
CDM-TC Elite 70W/942 G8.5

Photometric data



MASTERC colour CDM-TC Elite

Lifetime



LDLM_CDMTC-E_0007-Lumen maintenance diagram

