



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 12,000 hours (nom.)	80 %
Operating position	UNIVERSAL [Any or Universal (U)]	Lumen maintenance 10,000 hours (nom.)	81 %
Life to 5% failures (nom.)	9000 h	Lumen maintenance 2,000 hours (nom.)	88 %
Life to 10% failures (nom.)	10000 h	Lumen maintenance 5,000 hours (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 Colour Temperature (Nom)	4200 K
		Luminous efficacy (rated) (nom.)	102 lm/W
		Colour-rendering index (min.)	89
		Colour rendering index (nom.)	92
Light Technical		Operating and Electrical	
Colour Code	942 [CCT of 4,200 K]	Power (Rated) (Nom)	73.2 W
Luminous flux (rated) (min.)	6700 lm	Ignition supply voltage (min.)	198 V
Luminous flux (rated) (nom.)	7450 lm		
Colour 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

Lamp Finish	Clear
Bulb shape	T14 [T 14 mm]

Approval and Application

Mercury (Hg) content (nom.)	6.6 mg
Energy consumption kWh/1,000 hours	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	MASTERCcolour CDM-TC Elite 70W/942 G8.5 1CT
EAN/UPC – product	8718696484739
Order code	48473900
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928193905129
SAP net weight (piece)	9.000 g
ILCOS code	MT/UB-70/942-H-G8.5-17/85

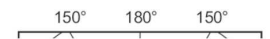
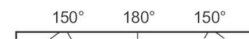
Dimensional drawing

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

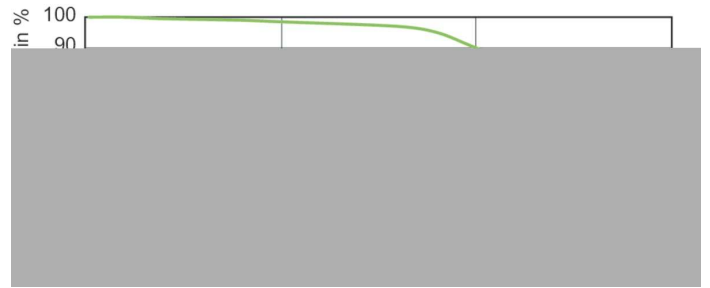
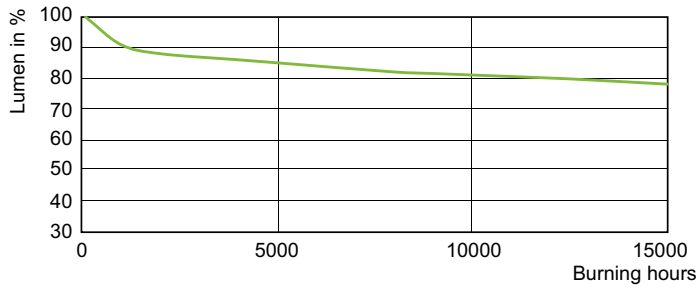
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Photometric data



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Lifetime



LDLM_CDMTC-E_0007-Lumen maintenance diagram

