



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		Lumen maintenance 12,000 hours (nom.)	
Cap base	G8.5 [G8.5]	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	
Light technical		Luminous efficacy (rated) (nom.) 102 lm/W	
Colour Code	942 [CCT of 4,200 K]	Colour-rendering index (min.) 89	
Luminous flux (rated) (min.)	6700 lm	Colour rendering index (nom.) 92	
Luminous flux (rated) (nom.)	7450 lm	Operating and electrical	
Colour designation	Cool White (CW)	Power (Rated) (Nom) 73.2 W	
		Ignition supply voltage (min.) 198 V	

MASTERCcolour CDM-TC Elite

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
--------------------	-----------

Damage factor D/fc (max.)	0.4
---------------------------	-----

Luminaire design requirements

Bulb temperature (max.)	500 °C
Pinch temperature (max.)	300 °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
Net Weight (Piece)	9.000 g
ILCOS code	MT/UB-70/942-H-G8.5-17/85

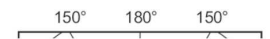
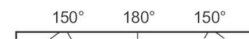
Dimensional drawing

. D .

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				

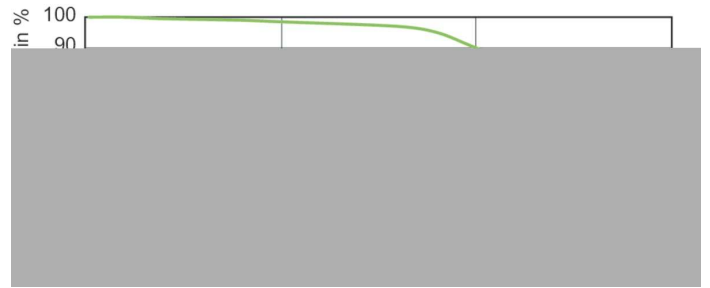
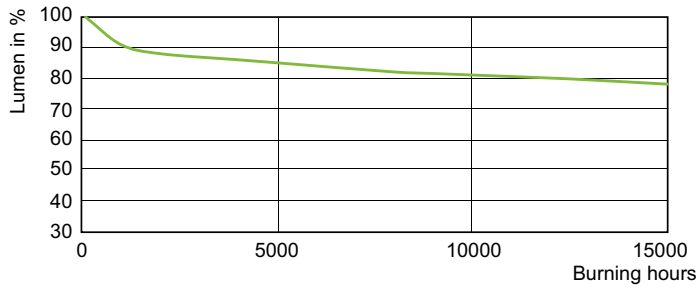
MASTERCcolour CDM-TC Elite 70W/942 G8.5 1CT

Photometric data



MASTERC colour CDM-TC Elite

Lifetime



LDLM_CDMTC-E_0007-Lumen maintenance diagram

