



MASTERColour CDM-TC Elite

MASTERColour CDM-TC Elite 50W/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 10000 h (Nom)	
Cap-Base	G8.5 [G8.5]	Lumen Maintenance 2000 h (Nom)	85 %
Operating Position	UNIVERSAL [Any or Universal (U)]	Lumen Maintenance 5000 h (Nom)	92 %
Life to 5% Failures (Nom)	9000 h	Chromaticity Coordinate X (Nom)	89 %
Life To 10% Failures (Nom)	10000 h	Chromaticity Coordinate Y (Nom)	0.367
Life to 20% Failures (Nom)	12000 h	Correlated Color Temperature (Nom)	0.362
Life to 50% Failures (Nom)	15000 h	Luminous Efficacy (rated) (Nom)	4200 K
ANSI Code HID	-	Color Rendering Index (Min)	101 lm/W
		Color Rendering Index (Nom)	87
			90
Light Technical		Operating and Electrical	
Color Code	942 [CCT of 4200K]	Power (Nom)	50.2 W
Luminous Flux (Rated) (Nom)	5050 lm	Re-Ignition Time (Min) (Max)	15 min
Color Designation	Cool White (CW)	Ignition Time (Max)	30 s
Lumen Maintenance 12000 h (Nom)	84 %		

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Voltage (Max)	99 V
Voltage (Min)	87 V
Voltage (Nom)	93 V
Controls and Dimming	
Dimmable	No
Run-Up Time 90% (Max)	3 min
Mechanical and Housing	
Bulb Finish	Clear
Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	5.7 mg
Energy Consumption kWh/1000 h	55 kWh
UV	
Pet (Niosh) (Min)	8 h/500lx

Damage Factor D/fc (Max)	0.5
Luminaire Design Requirements	
Bulb Temperature (Max)	550 °C
Pinch Temperature (Max)	350 °C
Product Data	
Full product code	871829120163200
Order product name	MASTERCLOUR CDM-TC Elite 50W/942 G8.5 1CT
EAN/UPC - Product	8718291201632
Order code	928080115131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928080115131
Net Weight (Piece)	10.000 g
ILCOS Code	MT/UB-50/942-H-G8.5-17/85

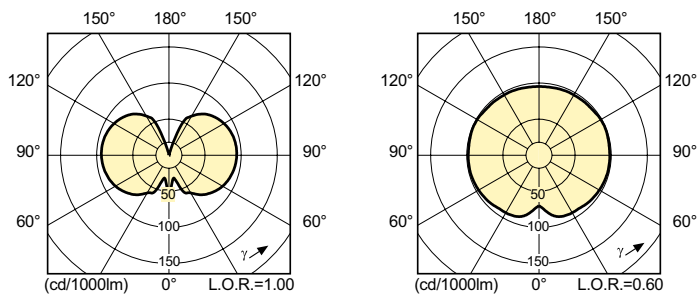
Dimensional drawing

D

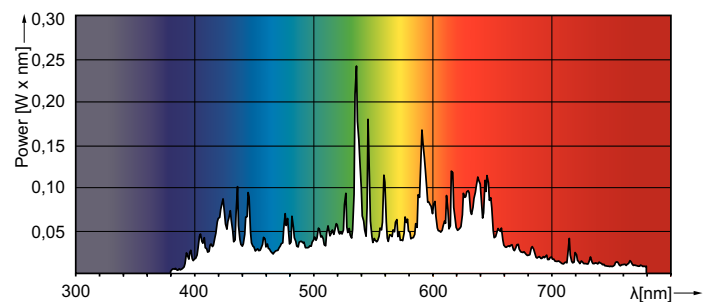
Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERCLOUR CDM-TC Elite 50W/942 G8.5 1CT	15 mm	7.1 mm	51 mm	53 mm	52 mm	85 mm

CDM-TC Elite 50W/942 G8.5

Photometric data



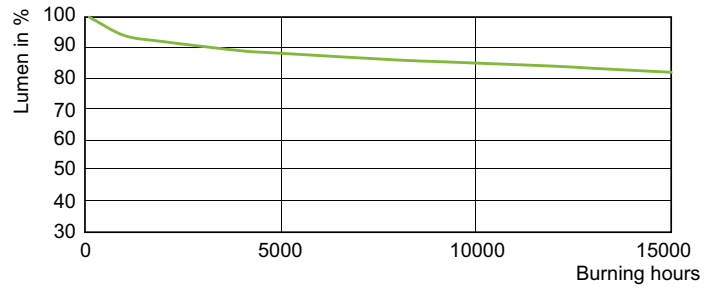
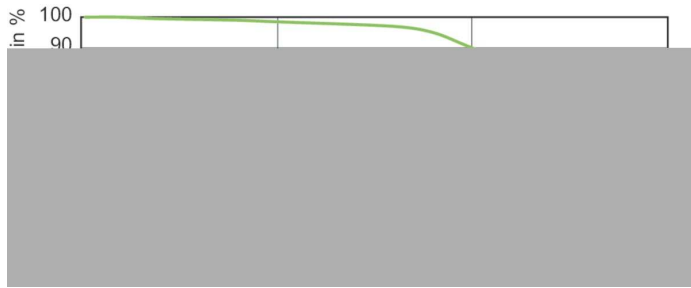
LDLD_CDMTC-E_0007-Light distribution diagram



LDPO_CDMTC-E_0007-Spectral power distribution Colour

MASTERCcolour CDM-TC Elite

Lifetime



LDLM_CDMTC-E_0008-Lumen maintenance diagram

