



MASTERColour CDM-TC Elite



MASTERColour CDM-TC Elite 50W/930 G8.5 1CT/12

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]	Luminous flux (nom.)	5400 lm
Operating position	UNIVERSAL [Any or Universal (U)]	Luminous flux (rated) (min.)	4900 lm
Life to 5% failures (nom.)	12000 h	Luminous flux (rated) (nom.)	5400 lm
Life to 10% failures (nom.)	14000 h	Colour designation	Warm White (WW)
Life to 20% failures (nom.)	16000 h	Lumen maintenance 12,000 hours (nom.)	82 %
Life to 50% failures (nom.)	20000 h	Lumen maintenance 10,000 hours (nom.)	83 %
ANSI code HID	-	Lumen maintenance 2,000 hours (nom.)	95 %
	Sphere	Lumen maintenance 5,000 hours (nom.)	88 %
		Chromaticity coordinate X (nom.)	0.434
		Chromaticity coordinate Y (nom.)	0.398
		Correlated Colour Temperature (Nom)	3000 K
		Luminous efficacy (rated) (nom.)	108 lm/W
Light Technical			
Colour Code	930 [CCT of 3,000 K]		

MASTERCcolour CDM-TC Elite

Colour-rendering index (min.)	88
Colour rendering index (nom.)	91

Operating and Electrical

Power (Rated) (Nom)	50.2 W
Lamp current run-up (max.)	2 A
Ignition supply voltage (max.)	198 V
Ignition peak voltage (max.)	5000 V
Ignition supply voltage (min.)	198 V
Re-ignition time (min.) (max.)	15 min
Ignition time (max.)	30 s
Voltage (Max)	96 V
Voltage (Min)	84 V
Voltage (Nom)	90 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

Energy Efficiency Class	F
Mercury (Hg) content (max.)	6.6 mg

Mercury (Hg) content (nom.)	6.6 mg
Energy consumption kWh/1,000 hours	51 kWh 473270

UV

PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.3

Luminaire Design Requirements

Bulb temperature (max.)	550 °C
Pinch temperature (max.)	350 °C

Product Data

Full product code	872790093062700
Order product name	MASTERCcolour CDM-TC Elite 50W/930 G8.5 1CT/12
EAN/UPC – product	8727900930627
Order code	93062700
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928191805131
SAP net weight (piece)	0.010 kg
ILCOS code	MT/UB-50/930-H-G8.5-17/85

Dimensional drawing

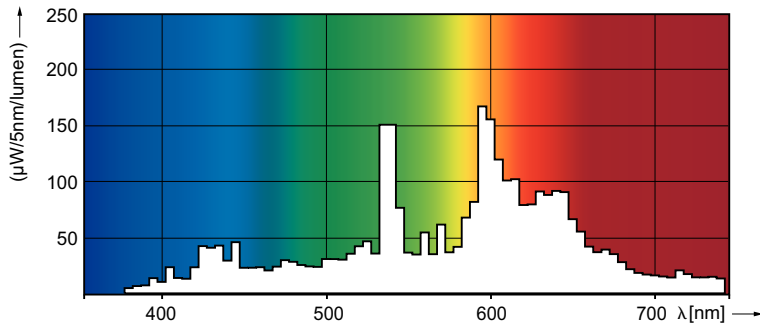
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Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERCcolour CDM-TC Elite 50W/930 G8.5 1CT/12	15 mm	6 mm	51 mm	53 mm	52 mm	85 mm

CDM-TC Elite 50W/930 G8.5

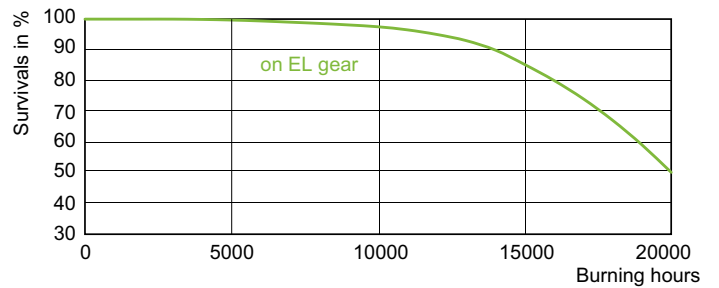
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Photometric data



LDPO_CDMTC-E_50W_930-Spectral power distribution Colour

Lifetime



LDLE_CDMTC-E_0002-Life expectancy diagram

