



MASTERColour CDM-TC Elite

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

Single-ended, compact size, high-efficiency Ceramic Metal Halide discharge lamp

Product data

General Information	
Cap-Base	G8.5 [G8.5]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life to 5% Failures (Nom)	12000 h
Life To 10% Failures (Nom)	14000 h
Life to 20% Failures (Nom)	16000 h
Life to 50% Failures (Nom)	20000 h
ANSI Code HID	-
Light Technical	
Colour Code	930 [CCT of 3000K]
Luminous Flux (Rated) (Min)	4900 lm
Luminous Flux (Rated) (Nom)	5400 lm
Colour Designation	Warm White (WW)
Lumen Maintenance 12000 h (Nom)	82 %
Lumen Maintenance 10000 h (Nom)	83 %
Lumen Maintenance 2000 h (Nom)	95 %
Lumen Maintenance 5000 h (Nom)	88 %
Chromaticity Coordinate X (Nom)	0.435
Chromaticity Coordinate Y (Nom)	0.396
Colour Temperature, horizontal (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	108 lm/W

Colour Rendering Index horiz (Min)	88
Colour Rendering Index horiz (Nom)	91
Operating and Electrical	
Power (Rated) (Nom)	50.0 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	
Bulb Finish	Clear

MASTERC colour CDM-TC Elite

Approval and Application

Energy Efficiency Label	A+
Mercury (Hg) Content (Nom)	6.6 mg
Energy Consumption kWh/1000 h	55 kWh

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	MASTERC colour CDM-TC Elite 50W/930 G8.5 1CT/12
EAN/UPC - Product	8727900930627
Order code	93062700
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928191805131
Net Weight (Piece)	0.010 kg
ILCOS Code	MT/UB-50/930-H-G8.5-17/85

Warnings and Safety

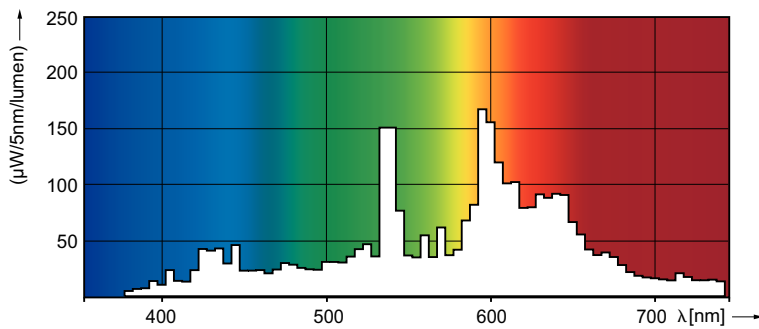
Dimensional drawing

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Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERC colour 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

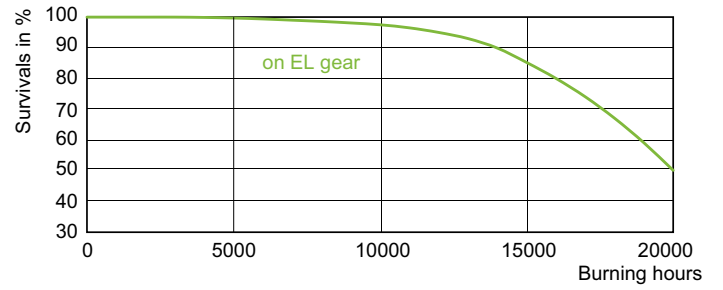
Photometric data



LDPO_CDMTC-E_50W_930-Spectral power distribution Colour

MASTERCcolour CDM-TC Elite

Lifetime



LDLE_CDMTC-E_0002-Life expectancy diagram

