PHILIPS

Lighting



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/Universal]
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 12,000 hours (nom.)	82 %
Lumen maintenance 10,000 hours (nom.)	83 %
Lumen maintenance 2,000 hours (nom.)	95 %
Lumen maintenance 5,000 hours (nom.)	88 %
Chromaticity coordinate X (nom.)	0.435
Chromaticity coordinate Y (nom.)	0.396
Correlated colour temperature (nom.)	3000 K
Luminous efficacy (rated) (nom.)	108 lm/W
Color rendering index (min.)	88
Color rendering index (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 (CL)

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Approval and Application	
Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	6.4 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

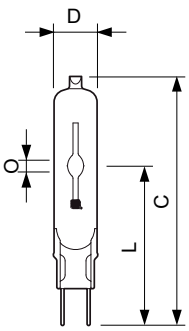
Product Data	
Full product code	872790093062700

Order product name	MASTERColour CDM-TC Elite 50W/930 G8.5 1CT/12
EAN/UPC – product	8727900930627
Order code	93062700
Local Code	50CDMTCELITE930
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928191805131
Net weight (piece)	0.010 kg
ILCOS Code	MT/UB-50/930-H-G8.5-17/85

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.

Dimensional drawing



CDM-TC Elite 50W/930 G8.5

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

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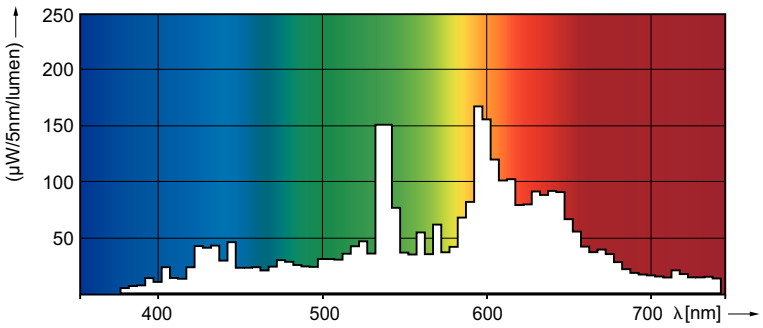
Photometric data



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