

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		Color rendering index (min.)		Color rendering index (nom.)	
Cap base	G8.5 [G8.5]		88		91
Operating position	UNIVERSAL [Any/Universal]	Operating and Electrical			
Life to 5% failures (nom.)	12000 h	Power (Rated) (Nom)	50.0 W	Lamp current run-up (max.)	2 A
Life to 10% failures (nom.)	14000 h	Ignition supply voltage (max.)	198 V	Ignition supply voltage (max.)	5000 V
Life to 20% failures (nom.)	16000 h	Ignition supply voltage (min.)	198 V	Ignition supply voltage (min.)	198 V
Life to 50% failures (nom.)	20000 h	Re-ignition time (min.) (max.)	15 min	Ignition time (max.)	30 s
ANSI code HID	-	Voltage (Max)	96 V	Voltage (Min)	84 V
Light Technical		Voltage (Nom)	90 V	Controls and Dimming	
Colour code	930 [CCT of 3,000 K]	Dimmable	no	Run-up time 90% (max.)	3 min
Luminous flux (rated) (min.)	4900 lm	Mechanical and Housing			
Luminous flux (rated) (nom.)	5400 lm	Bulb finish	Clear		
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				

MASTERCcolour CDM-TC Elite

Approval and Application

Energy efficiency label (EEL)	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
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Order product name	MASTERCcolour 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

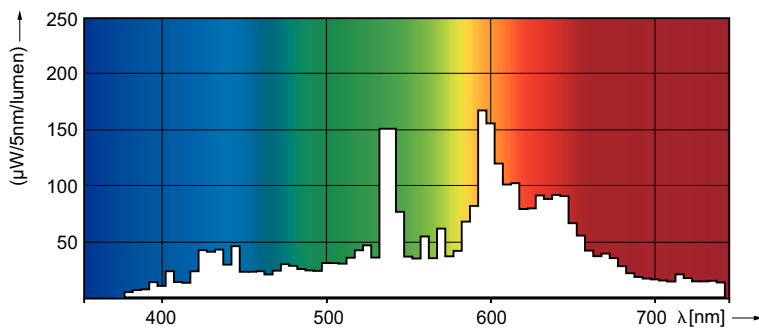
Dimensional drawing

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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

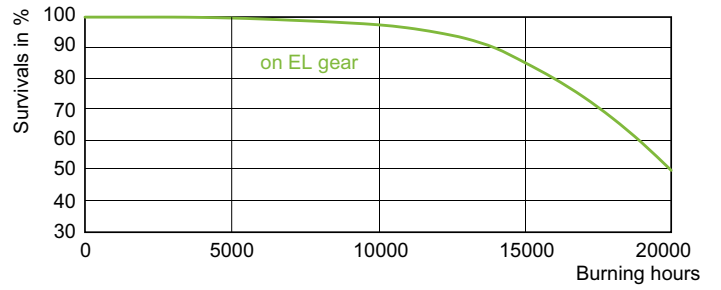
Photometric data



LDPO_CDMTC-E_50W_930-Spectral power distribution Colour

MASTERCcolour CDM-TC Elite

Lifetime



LDLE_CDMTC-E_0002-Life expectancy diagram

