



MASTERColour CDM-T Elite

MASTERColour CDM-T Elite 50W/930 G12 1CT/12

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. 35W & 70W lamps may also use electromagnetic 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	G12 [G12]	Lumen maintenance 12,000 hours (nom.)	82 %
Operating position	UNIVERSAL [Any or Universal (U)]	Lumen maintenance 10,000 hours (nom.)	83 %
Life to 5% failures (nom.)	12000 h	Lumen maintenance 2,000 hours (nom.)	95 %
Life to 10% failures (nom.)	14000 h	Lumen maintenance 4,000 hours (nom.)	90 %
Life to 20% failures (nom.)	16000 h	Lumen maintenance 5,000 hours (nom.)	88 %
Life to 50% failures (nom.)	20000 h	Chromaticity coordinate X (nom.)	0.435
ANSI code HID	-	Chromaticity coordinate Y (nom.)	0.396
		Correlated Colour Temperature (Nom)	3000 K
		Luminous efficacy (rated) (nom.)	108 lm/W
		Colour-rendering index (min.)	87
		Colour rendering index (nom.)	90
Light Technical		Operating and Electrical	
Colour Code	930 [CCT of 3,000 K]	Power (Rated) (Min)	50.0 W
Luminous flux (rated) (nom.)	5450 lm		
Colour designation	Warm White (WW)		
Lumen maintenance 1,000 hours (nom.)	97 %		

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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
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Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	6.6 mg
Energy consumption kWh/1,000 hours	55 kWh

UV

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

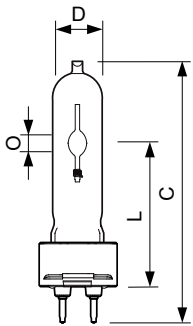
Luminaire Design Requirements

Bulb temperature (max.)	500 °C
Cap-base temperature (max.)	250 °C
Pinch temperature (max.)	350 °C

Product Data

Full product code	872790093060300
Order product name	MASTERColour CDM-T Elite 50W/930 G12 1CT/12
EAN/UPC – product	8727900930603
Order code	93060300
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928191705131
SAP net weight (piece)	0.030 kg
ILCOS code	MT/UB-50/930-H-G12-20/90

Dimensional drawing

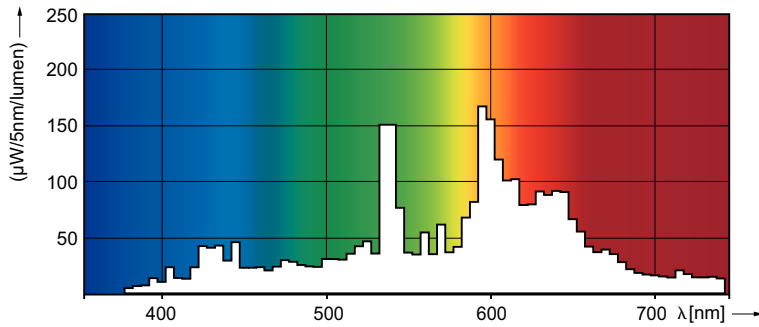


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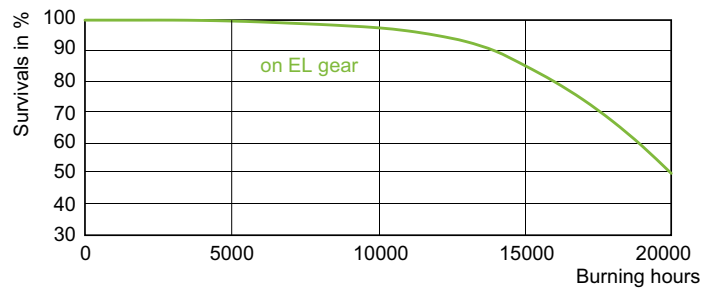
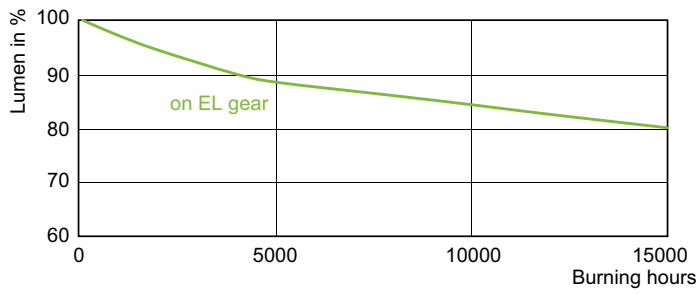
Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T Elite 50W/930 G12 1CT/12	20 mm	6 mm	55 mm	57 mm	56 mm	103 mm

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Photometric data



Lifetime



LDLM_CDM-T-E_0007-Lumen maintenance diagram

LDLE_CDM-T-E_0006-Life expectancy diagram

