

PHILIPS

Lighting



MASTERColour CDM-T Elite

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

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

Product data

General Information	
Cap-Base	G12 [G12]
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) (Nom)	5450 lm
Colour Designation	Warm White (WW)
Lumen Maintenance 1000 h (Nom)	97 %
Lumen Maintenance 12000 h (Nom)	82 %
Lumen Maintenance 10000 h (Nom)	83 %
Lumen Maintenance 2000 h (Nom)	95 %
Lumen Maintenance 4000 h (Nom)	90 %
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)	87
Colour Rendering Index horiz (Nom)	90

Operating and Electrical	
Power (Rated) (Min)	50.0 W
Power (Rated) (Nom)	50 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

MASTERCLOUR CDM-T 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

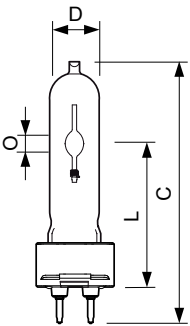
Bulb Temperature (Max)	500 °C
Cap-Base Temperature (Max)	250 °C
Pinch Temperature (Max)	350 °C

Product Data

Full product code	872790093060300
Order product name	MASTERCLOUR CDM-T Elite 50W/930 G12 1CT/12
EAN/UPC - Product	8727900930603
Order code	93060300
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928191705131
Net Weight (Piece)	0.030 kg
ILCOS Code	MT/UB-50/930-H-G12-20/90

Warnings and Safety

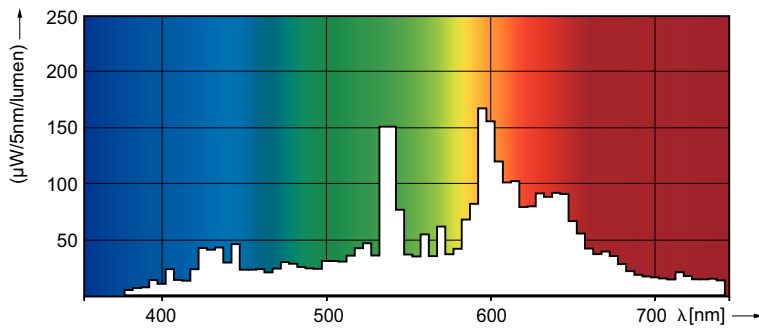
Dimensional drawing



CDM-T Elite 50W/930 G12

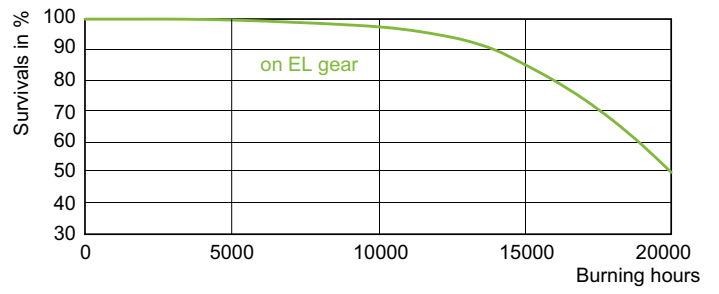
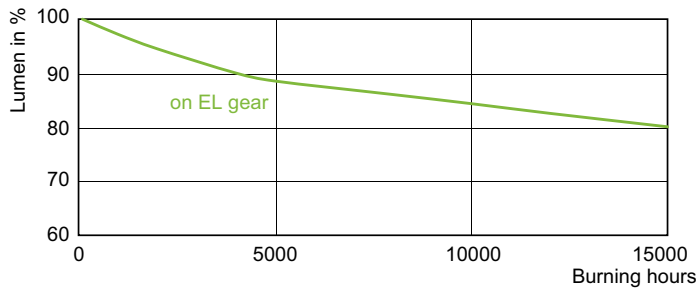
Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERCLOUR CDM-T Elite 50W/930 G12 1CT/12	20 mm	6 mm	55 mm	57 mm	56 mm	103 mm

Photometric data



MASTERCcolour CDM-T Elite

Lifetime



LDLM_CDM-T-E_0007-Lumen maintenance diagram

LDLE_CDM-T-E_0006-Life expectancy diagram

