



MASTERCcolour CDM-T Elite

MASTERCcolour CDM-T Elite 50W/942 G12 1CT

Single-ended, very high-efficiency, long-life Ceramic Metal Halide discharge lamp producing crisp white sparkling light with high color rendering

Product data

General Information		Luminous Efficacy (rated) (Nom)	
Cap-Base	G12 [G12]		100 lm/W
Operating Position	UNIVERSAL [Any or Universal (U)]	Color Rendering Index (Min)	87
Life to 5% Failures (Nom)	9000 h	Color Rendering Index (Nom)	90
Life To 10% Failures (Nom)	10000 h	Operating and Electrical	
Life to 20% Failures (Nom)	12000 h	Power (Rated) (Min)	50.0 W
Life to 50% Failures (Nom)	15000 h	Power (Nom)	50 W
ANSI Code HID	C193/E	Re-Ignition Time (Min) (Max)	15 min
Light Technical		Ignition Time (Max)	30 s
Color Code	942 [CCT of 4200K]	Voltage (Max)	97 V
Luminous Flux (Rated) (Nom)	5000 lm	Voltage (Min)	85 V
Color Designation	Cool White (CW)	Voltage (Nom)	91 V
Lumen Maintenance 1000 h (Nom)	93 %	Controls and Dimming	
Lumen Maintenance 12000 h (Nom)	83 %	Dimmable	No
Lumen Maintenance 10000 h (Nom)	84 %	Run-Up Time 90% (Max)	3 min
Lumen Maintenance 2000 h (Nom)	91 %	Mechanical and Housing	
Lumen Maintenance 4000 h (Nom)	88 %	Bulb Finish	Clear
Lumen Maintenance 5000 h (Nom)	87 %	Approval and Application	
Chromaticity Coordinate X (Nom)	0.363	Energy Efficiency Label (EEL)	A+
Chromaticity Coordinate Y (Nom)	0.361		
Correlated Color Temperature (Nom)	4200 K		

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Mercury (Hg) Content (Nom)	5.7 mg
Energy Consumption kWh/1000 h	55 kWh

UV

Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.5

Luminaire Design Requirements

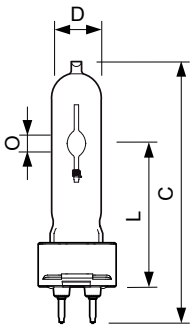
Bulb Temperature (Max)	500 °C
Cap-Base Temperature (Max)	250 °C
Pinch Temperature (Max)	350 °C

Product Data

Full product code	871829120159500
Order product name	MASTERColour CDM-T Elite 50W/942 G12 1CT
EAN/UPC - Product	8718291201595
Order code	928080015131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928080015131
Net Weight (Piece)	0.030 kg
ILCOS Code	MT/UB-50/942-H-G12-20/90

Warnings and Safety

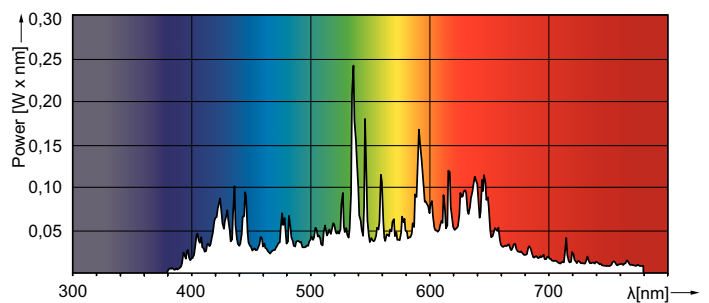
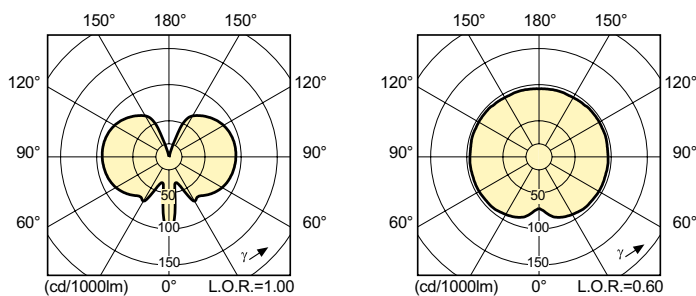
Dimensional drawing



CDM-T Elite 50W/942 G12

Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T Elite 50W/942 G12 1CT	20 mm	7.1 mm	55 mm	57 mm	56 mm	103 mm

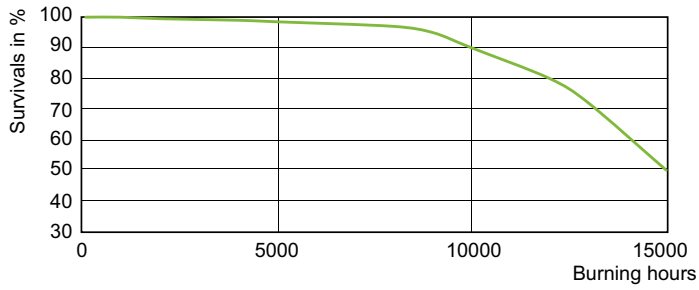
Photometric data



LDPO_CDM-T-E_0007-Spectral power distribution Colour

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Lifetime



LDLE_CDM-T-E_0009-Life expectancy diagram

