



MASTERColour CDM-T Elite

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

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

Product data

General Information		Color rendering index (min.)		Color rendering index (nom.)		
Cap base	G12 [G12]		87		90	
Operating position	UNIVERSAL [Any/Universal]					
Life to 5% failures (nom.)	9000 h	Operating and Electrical				
Life to 10% failures (nom.)	10000 h	Power (Rated) (Min)	50.0 W			
Life to 20% failures (nom.)	12000 h	Power (Rated) (Nom)	50 W			
Life to 50% failures (nom.)	15000 h	Re-ignition time (min.) (max.)	15 min			
ANSI code HID	C193/E	Ignition time (max.)	30 s			
		Voltage (Max)	97 V			
		Voltage (Min)	85 V			
		Voltage (Nom)	91 V			
			Controls and Dimming			
			Dimmable	no		
			Run-up time 90% (max.)	3 min		
				Mechanical and Housing		
			Bulb finish	Clear		
				Approval and Application		
			Energy efficiency label (EEL)	A+		
			Mercury (Hg) content (nom.)	5.7 mg		
				Light Technical		
Colour code	942 [CCT of 4,200 K]					
Luminous flux (rated) (nom.)	5000 lm					
Colour designation	Cool White (CW)					
Lumen maintenance 1,000 hours (nom.)	93 %					
Lumen maintenance 12,000 hours (nom.)	83 %					
Lumen maintenance 10,000 hours (nom.)	84 %					
Lumen maintenance 2,000 hours (nom.)	91 %					
Lumen maintenance 4,000 hours (nom.)	88 %					
Lumen maintenance 5,000 hours (nom.)	87 %					
Chromaticity coordinate X (nom.)	0.363					
Chromaticity coordinate Y (nom.)	0.361					
Correlated colour temperature (nom.)	4200 K					
Luminous efficacy (rated) (nom.)	100 lm/W					

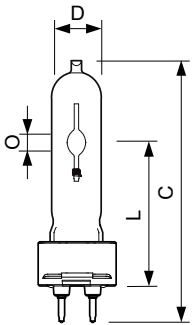
MASTERCLOUR CDM-T Elite

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	MASTERCLOUR CDM-T Elite 50W/942 G12 1CT
EAN/UPC – product	8718291201595
Order code	20159500
Local Code	50CDMTELITE942
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928080015131
Net weight (piece)	0.030 kg
ILCOS Code	MT/UB-50/942-H-G12-20/90

Warnings and Safety

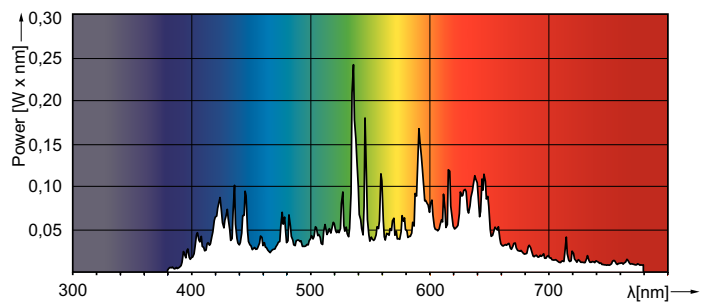
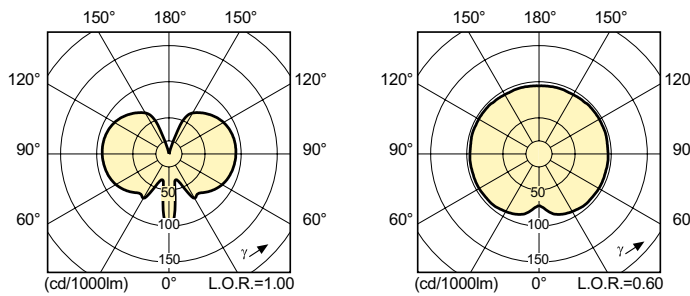
Dimensional drawing



CDM-T Elite 50W/942 G12

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

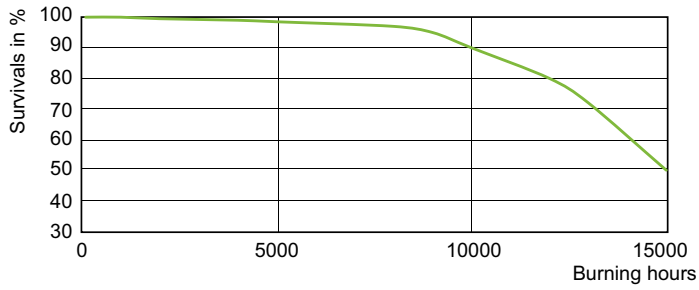
Photometric data



LDPO_CDM-T-E_0007-Spectral power distribution Colour

MASTERCcolour CDM-T Elite

Lifetime



LDLE_CDM-T-E_0009-Life expectancy diagram

