



MASTERColour CDM-T

MASTERColour CDM-T 250W/942 G12 1CT/12

Range of single-ended, compact, high-efficiency, discharge lamps with a stable color over lifetime and a crisp, sparkling light

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
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Lamps may use electronic or electromagnetic control gear, except 35W/942 and 20W lamps, which must use electronic control gear.
- 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		Luminous flux (rated) (min.)	
Cap base	G12 [G12]		23400 lm
Operating position	UNIVERSAL [Any or Universal (U)]	Luminous flux (rated) (nom.)	26250 lm
Life to 5% failures (nom.)	3500 h	Colour designation	Cool White (CW)
Life to 10% failures (nom.)	7000 h	Lumen maintenance 10,000 hours (nom.)	86 %
Life to 20% failures (nom.)	12000 h	Lumen maintenance 2,000 hours (nom.)	98 %
Life to 50% failures (nom.)	15000 h	Lumen maintenance 5,000 hours (nom.)	94 %
ANSI code HID	-	Chromaticity coordinate X (nom.)	0.371
	Sphere	Chromaticity coordinate Y (nom.)	0.366
		Correlated Colour Temperature (Nom)	4200 K
		Luminous efficacy (rated) (nom.)	105 lm/W
		Colour rendering index (nom.)	91
		Ratio scotopic/photopic lumens	1.75
Light technical			
Colour Code	942 [CCT of 4,200 K]		
Luminous flux (nom.)	26250 lm		

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Operating and electrical	
Power (Rated) (Nom)	250.0 W
Lamp current run-up (max.)	6 A
Lamp current (EM) (nom.)	3.04 A
Ignition supply voltage (max.)	198 V
Ignition peak voltage (max.)	5000 V
Ignition supply voltage (min.)	198 V
Ignition peak voltage (min.)	3500 V
Re-ignition time (min.) (max.)	15 min
Ignition time (max.)	30 s
Voltage (Max)	104 V
Voltage (Min)	84 V
Voltage (Nom)	93 V

Controls and dimming	
Dimmable	No
Run-up time 90% (max.)	3 min

Mechanical and housing	
Lamp Finish	Clear
Bulb shape	T24 [T 24mm]

Approval and application	
Energy Efficiency Class	F
Mercury (Hg) content (max.)	20 mg
Mercury (Hg) content (nom.)	20.0 mg
Energy consumption kWh/1,000 hours	250 kWh

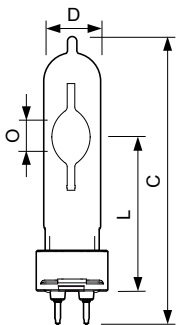
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UV	
PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (nom.)	0.28

Luminaire design requirements	
Bulb temperature (max.)	700 °C
Cap-base temperature (max.)	280 °C
Cap-Base Temperature (Max)-DUP(do not use)	536 °F
Pinch temperature (max.)	350 °C
Pinch Temperature (Max)-DUP(do not use)	350 °C

Product data	
Full product code	871150021112515
Order product name	MASTERCcolour CDM-T 250W/942 G12 1CT/12
EAN/UPC – product	8711500211125
Order code	21112515
SAP numerator – quantity per pack	1
Local code description	2053665429
Numerator – packs per outer box	12
SAP material	928094205131
Net Weight (Piece)	0.039 kg
ILCOS code	MT/UB-250/942-H-G12-25/135

Dimensional drawing

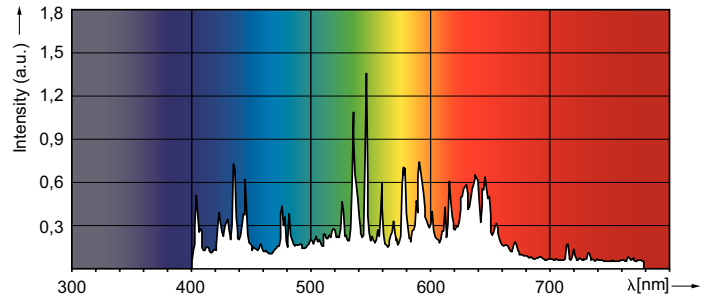
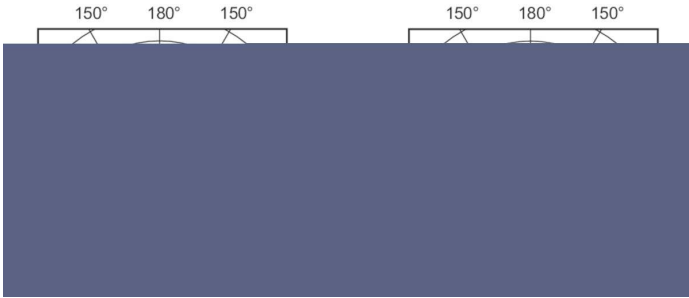


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Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T 250W/942 G12 1CT/12	25 mm	12.3 mm	71.5 mm	73.5 mm	72.5 mm	135 mm

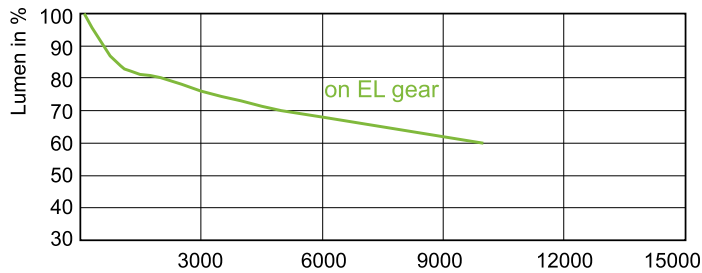
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Photometric data



LDPO_CDM-T_250W_942-Spectral power distribution Colour

Lifetime



LDLM_CDM-T_250W_942-Lumen maintenance diagram

