

MASTERC colour CDM-T

MASTERC colour CDM-T 250W/942 G12 1CT

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



Product data

• General Characteristics

Cap-Base	G12
Bulb	T25 [T 25mm]
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
Life to 5% failures EM	3500 hr
Life to 5% failures EL	3500 hr
Life to 10% failures EM	4500 hr
Life to 10% failures EL	4500 hr
Life to 20% failures EM	5500 hr
Life to 20% failures EL	5500 hr
Life to 50% failures EM	8000 hr
Life to 50% failures EL	8000 hr

• Light Technical Characteristics

Color Code	942 [CCT of 4200K]
Color Rendering Index	88 (min), 91 (nom) Ra8
Color Designation (text)	Cool White
Color Temperature	4200 K
Color Temperature Technical	4070 K
Luminous Flux Lamp EM	26000 Lm
Luminous Efficacy Lamp EM	105 Lm/W
Lumen Maintenance EM 2000h	98 %

Lumen Maintenance EM 5000h	94 %
Lumen Maintenance EM 10000h	86 %
Chromaticity Coordinate X	0.376 -
Chromaticity Coordinate Y	0.368 -

• Electrical Characteristics

System Power EM	271 W
System Power EL	271 W
Lamp Wattage	250 W
Lamp Wattage EM 25°C, Nominal	250.0 W
Lamp Wattage EM 25°C, Rated	247.0 W
Lamp Voltage	93 V
Lamp Current EM	3.04 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Ignition Peak Voltage	3500 (min) V
Re-ignition Time [min]	15 (max) min
Dimmable	No
Ratio scotopic/photopic lumens	1.75 -

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	19.0 mg
Energy consumption kWh/1000h	271 kWh

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• UV-related Characteristics

Damage Factor D/fc PET (NIOSH) 0.28 - 8 (min) h500lx

• Luminaire Design Requirements

Cap-Base Temperature 280 (max) C
Pinch Temperature 350 (max) C
Bulb Temperature 700 (max) C

• Product Dimensions

Reference Length A 122 (max) mm
Overall Length C 135 (max) mm
Diameter D 25 (max) mm
Light Center Length L 71.5 (min), 72.5 (nom), 73.5 (max) mm
Arc Length O 12.3 mm

• Product Data

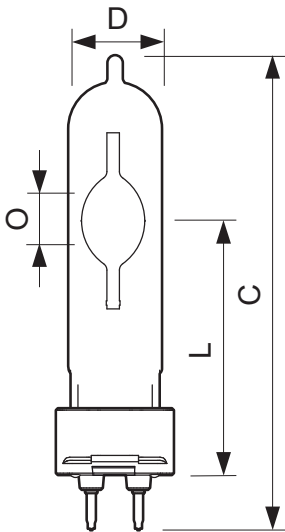
Order code 928094205131
Full product code 928094205131
Full product name MASTERColour CDM-T 250W/942 G12 1CT
Order product name MASTERC CDM-T 250W/942 G12 1CT/12
Pieces per pack 1
Packing configuration 12
Packs per outerbox 12
Bar code on pack - EAN1 8711500211125
Bar code on outerbox - EAN3 8711500211132
Logistic code(s) - 12NC 928094205131
ILCOS code MT/UB-250/942-H-G12-25/135
Net weight per piece 0.039 kg

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.

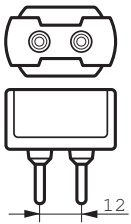
Dimensional drawing



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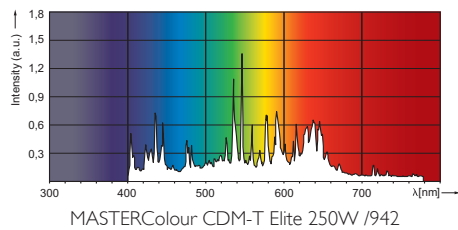
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T 250W/942 G12	135	25	71.5	72.5	73.5	12.3

Dimensional drawing



G12

Photometric data



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2013, October 9
data subject to change