



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

Product data

• General Information

Cap-Base	G12 [G12]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life To 5% Failures (Nom)	3500 h
Life To 10% Failures (Nom)	10000 h
Life To 20% Failures (Nom)	12000 h
Life To 50% Failures (Nom)	15000 h
Ansi Code HID	-

• Light Technical

Color Code	942 [CCT of 4200K]
Luminous Flux (Min)	23400 lm
Luminous Flux (Nom)	26000 lm
Color Designation	Cool White (CW)
Lumen Maintenance 10000 h (Nom)	86 %
Lumen Maintenance 2000 h (Nom)	98 %
Lumen Maintenance 5000 h (Nom)	94 %
Chromaticity Coordinate X (Nom)	0.376
Chromaticity Coordinate Y (Nom)	0.368
Correlated Color Temperature (Nom)	4070 K
Luminous Efficacy (rated) (Nom)	105 lm/W
Color Rendering Index (Nom)	91

• Operating and Electrical

Power (Rated) (Nom)	247.0 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

Bulb Finish	Clear (CL)
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• Approval and Application

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

• 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

Pinch Temperature (Max) 350 °C

• Product Data

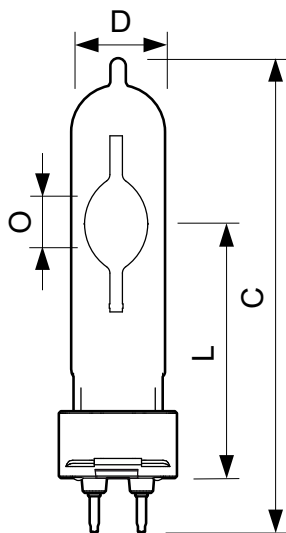
Full product code	871150021112515
Order product name	MASTERColour CDM-T 250W/942 G12 1CT/12
EAN/UPC - Product	8711500211125
Order code	928094205131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928094205131
Net Weight (Piece)	0.039 kg
ILCOS Code	MT/UB-250/942-H-G12-25/135

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.

Dimensional drawing

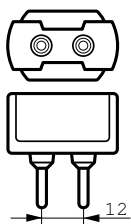


CDM-T 250W

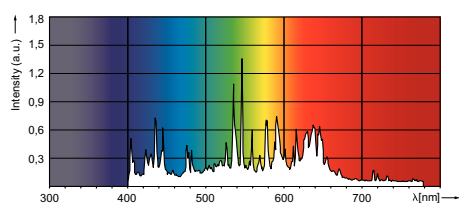
CDM-T 250W/942 G12

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

Dimensional drawing



Photometric data



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data subject to change