

MASTERColour CDM-T Elite

MASTERColour CDM-T Elite 100W/930 G12 1CT/12

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

Benefits

• General Information

Cap base	G12 [G12]
Burning Position	UNIVERSAL [Any/Universal]
Life to 5% failures (nom.)	12000 h
Life to 10% failures (nom.)	14000 h
Life to 20% failures (nom.)	16000 h
Life to 50% failures (nom.)	20000 h
ANSI code HID	C191/E

• Light Technical

Lamp Luminous Flux (Nom)	11000 lm
Colour Designation	Warm white (WW)
Lumen maintenance 1,000 hours (nom.)	97 %
Lumen maintenance 12,000 hours (nom.)	85 %
Lumen maintenance 10,000 hours (nom.)	87 %
Lumen maintenance 2,000 hours (nom.)	95 %
Lumen maintenance 4,000 hours (nom.)	93 %
Lumen maintenance 5,000 hours (nom.)	92 %
Chromaticity coordinate X (nom.)	0.432
Chromaticity coordinate Y (nom.)	0.399
Colour Temperature, horizontal (Nom)	3000 K
Lamp Luminous Efficacy EM (Nom)	110 lm/W
Colour Rendering Index,horiz (Min)	89
Colour Rendering Index,horiz (Nom)	92

• Operating and Electrical

Power (Rated) (Nom)	100.0 W
Lamp current run-up (max.)	1.8 A
Ignition supply voltage (max.)	198 V
Ignition peak voltage (max.)	4500 V
Ignition supply voltage (min.)	198 V
Re-ignition time (min.) (max.)	15 min
Ignition time (max.)	30 s
Voltage (Max)	94 V
Voltage (Min)	82 V
Voltage (Nom)	88 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.)	10.1 mg
Energy Consumption kWh/1000 h	110 kWh

- UV

PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.2

- Luminaire Design Requirements

Bulb temperature (max.)	550 °C
Cap base temperature (max.)	250 °C
Pinch temperature (max.)	350 °C

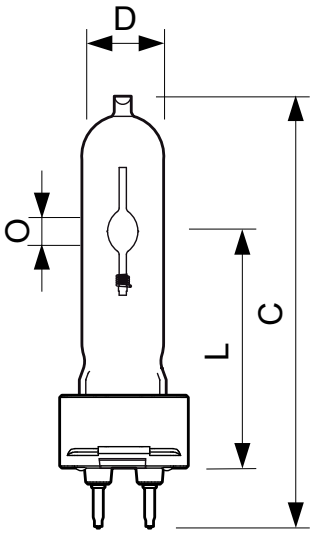
- Product Data

Full product code	872790087169200
Order product name	MASTERColour CDM-T Elite 100W/930 G12 1CT/12
EAN/UPC – product	8727900871692
Order code	928183205125
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928183205125
Net weight (piece)	0.030 kg
ILCOS Code	MT/UB-100/930-H-G12-21/100

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
- Use only with electronic control gear. 35W & 70W lamps may also use electromagnetic gear.
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- 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

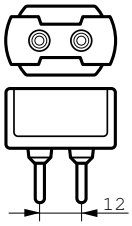


CDM-T Elite 35W - 150W G12

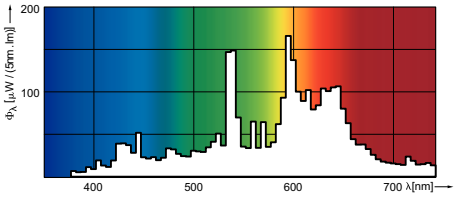
CDM-T Elite 100W/930 G12

Product	D	O	L	L	L	C
MASTERColour CDM-T Elite 100W/930 G12 1CT/12	20 mm	8.5 mm	55 mm	57 mm	56 mm	110 mm

Dimensional drawing



Photometric data



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2015, December 28
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