

MASTERColour CDM-T Elite

MASTERColour CDM-T Elite 100W/942 G12 1CT

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

Product data

General Information	
Cap base	G12 [G12]
Operating position	UNIVERSAL [Any/Universal]
Life to 5% failures (nom.)	9000 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	
Colour code	942 [CCT of 4200K]
Luminous flux (rated) (nom.)	10500 lm
Colour designation	Cool White (CW)
Lumen maintenance 1,000 hours (nom.)	95 %
Lumen maintenance 12,000 hours (nom.)	76 %
Lumen maintenance 2,000 hours (nom.)	92 %
Lumen maintenance 4,000 hours (nom.)	88 %
Chromaticity coordinate X (nom.)	0.373
Chromaticity coordinate Y (nom.)	0.369
Correlated colour temperature (nom.)	4200 K
Luminous efficacy (rated) (nom.)	105 lm/W
Color rendering index (min.)	-
Color rendering index (nom.)	91

Operating and Electrical	
Power (Rated) (Min)	100.0 W
Power (Rated) (Nom)	100 W
Re-ignition time (min.) (max.)	15 min
Ignition time (max.)	30 s
Voltage (Max)	- V
Voltage (Min)	- V
Voltage (Nom)	88 V

Controls and Dimming	
Dimmable	no
Run-up time 90% (max.)	3 min

Mechanical and Housing	
Bulb finish	Clear (CL)

Approval and Application	
Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	8.5 mg

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Energy Consumption kWh/1000 h	110 kWh

UV	
PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.4

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

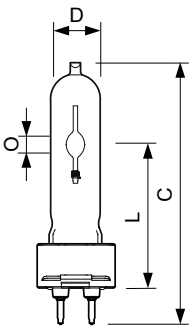
Product Data	
Full product code	871829123178300

Order product name	MASTERColour CDM-T Elite 100W/942 G12 1CT
EAN/UPC – product	8718291231783
Order code	23178300
Local Code	100CDMTELITE942
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928064205131
Net weight (piece)	0.033 kg
ILCOS Code	MT/UB-100/942-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.

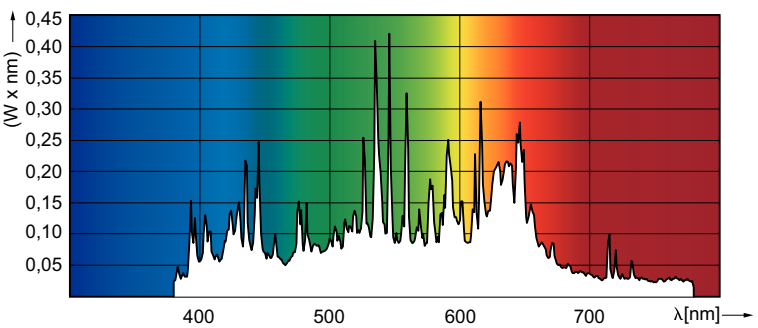
Dimensional drawing



CDM-T Elite 100W/942 G12

Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T Elite 100W/942 G12 1CT	20 mm	8.5 mm	55 mm	57 mm	56 mm	110 mm

Photometric data





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2017, May 8 - data subject to change