



MASTERCcolour CDM-T Elite

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

Single-ended, very high-efficiency, long-life Ceramic Metal Halide discharge lamp producing crisp white sparkling light with high color rendering

Product data

• General Characteristics

Cap-Base	G12
Bulb	T19 [T 19mm]
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
Life to 5% failures EL	9000 hr
Life to 10% failures EL	10000 hr
Life to 20% failures EL	12000 hr
Life to 50% failures EL	15000 hr

• Light Technical Characteristics

Color Code	942 [CCT of 4200K]
Color Rendering Index	91 Ra8
Color Designation (text)	Cool White
Color Temperature	4200 K
Color Temperature Technical	4150 K
Luminous Flux Lamp EL	10500 Lm
Luminous Efficacy Lamp EL	105 Lm/W
Lumen Maintenance EL 1000h	95 %
Lumen Maintenance EL 2000h	92 %
Lumen Maintenance EL 4000h	88 %
Lumen Maintenance EL 8000h	81 %
Lumen Maintenance EL 12000h	76 %

Lumen Maintenance EL 15000h	73 %
Design Mean Lumens EL	8300 Lm
Chromaticity Coordinate X	0.373 -
Chromaticity Coordinate Y	0.369 -

• Electrical Characteristics

System Power EL	109 W
Lamp Wattage	100 W
Lamp Wattage EL 25°C, Rated	100.0 W
Lamp Wattage EL 25°C, Nominal	100.0 W
Lamp Voltage	88 V
Lamp Current EL	1.140 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Re-ignition Time [min]	15 (max) min
Dimmable	No

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	8.5 mg
Energy consumption kWh/1000h	110 kWh

• UV-related Characteristics

Damage Factor D/fc	0.4 (max) -
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MASTERColour CDM-T Elite

PET (NIOSH) 8 (min) h500lx

Diameter D [inch] 0.79 (max) in

• Luminaire Design Requirements

Cap-Base Temperature 250 (max) C
 Pinch Temperature 350 (max) C
 Bulb Temperature 550 (max) C

• Product Dimensions

Reference Length A 96 (max) mm
 Overall Length C 110 (max) mm
 Diameter D 20 (max) mm
 Light Center Length L 55 (min), 56 (nom), 57 (max) mm
 Arc Length O 8.5 mm
 Light Center Length L [inch] 2.16 (min), 2.20 (nom), 2.24 (max) in
 Overall Length C [inch] 4.34 (max) in

• Product Data

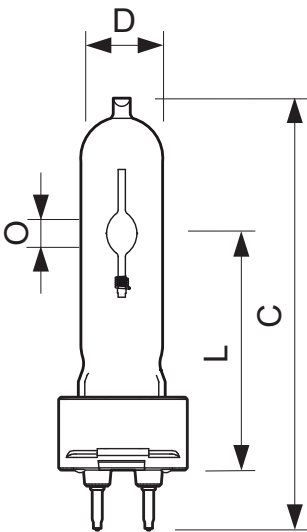
Order code 928064205131
 Full product code 928064205131
 Full product name MASTERColour CDM-T Elite 100W/942 G12 1CT
 Order product name MASTERC CDM-T Elite 100W/942 G12 1CT
 Pieces per pack 1
 Packing configuration 12
 Packs per outerbox 12
 Bar code on pack - EAN1 8718291231783
 Bar code on outerbox - EAN3 8718291231790
 Logistic code(s) - 12NC 928064205131
 ILCOS code MT/UB-100/942-H-G12-21/100
 Net weight per piece 0.033 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

- 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)

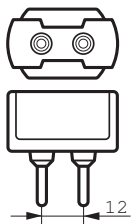
Dimensional drawing



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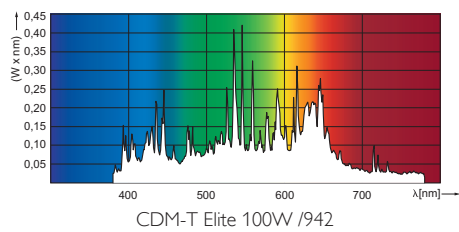
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T Elite 100W/942 G12	110	20	55	56	57	8.5

Dimensional drawing



G12

Photometric data



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2014, June 24
data subject to change