

MASTERCcolour CDM-T Elite

MASTERCcolour CDM-T Elite 70W/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	87 (min), 90 (nom) Ra8
Color Designation (text)	Cool White
Color Temperature	4200 K
Color Temperature Technical	4200 K
Luminous Flux Lamp EM	7200 Lm
Luminous Flux Lamp EL	7500 Lm
Luminous Efficacy Lamp EM	100 Lm/W
Luminous Efficacy Lamp EL	103 Lm/W
Lumen Maintenance EL 1000h	95 %
Lumen Maintenance EL 2000h	93 %
Lumen Maintenance EL 4000h	90 %

Lumen Maintenance EL 5000h	88 %
Lumen Maintenance EL 8000h	85 %
Lumen Maintenance EL 10000h	82 %
Lumen Maintenance EL 12000h	81 %
Lumen Maintenance EL 15000h	80 %
Design Mean Lumens EL	6600 Lm
Chromaticity Coordinate X	0.371 -
Chromaticity Coordinate Y	0.366 -

• Electrical Characteristics

System Power EL	80 W
Lamp Wattage	70 W
Lamp Wattage EM 25°C, Nominal	70.0 W
Lamp Wattage EM 25°C, Rated	72.0 W
Lamp Wattage EL 25°C, Rated	73.0 W
Lamp Wattage EL 25°C, Nominal	70.0 W
Lamp Voltage	84 V
Lamp Current EM	1 A
Lamp Current EL	0.89 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Re-ignition Time [min]	15 (max) min
Dimmable	No



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• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	6.0 mg
Energy consumption kWh/1000h	80 kWh

• UV-related Characteristics

Damage Factor D/fc PET (NIOSH)	0.5 (max) - 8 (min) h500lx
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• Luminaire Design Requirements

Cap-Base Temperature	250 (max) C
Pinch Temperature	350 (max) C
Bulb Temperature	500 (max) C

• Product Dimensions

Reference Length A	90 (max) mm
Overall Length C	103 (max) mm
Diameter D	20 (max) mm
Light Center Length L	55 (min), 56 (nom), 57 (max) mm

Arc Length O	7.15 mm
Light Center Length L [inch]	2.16 (min), 2.20 (nom), 2.24 (max) in
Overall Length C [inch]	4 (max) in
Diameter D [inch]	0.79 (max) in

• Product Data

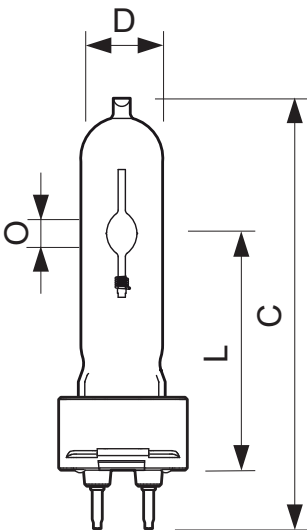
Order code	928193705131
Full product code	928193705131
Full product name	MASTERC colour CDM-T Elite 70W/942 G12 1CT
Order product name	MASTERC CDM-T Elite 70W/942 G12 1CT
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8718291163626
Bar code on outerbox - EAN3	8718291163633
Logistic code(s) - 12NC	928193705131
ILCOS code	MT/UB-70/942-H-G12-20/90
Net weight per piece	0.028 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)

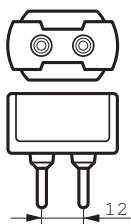
Dimensional drawing



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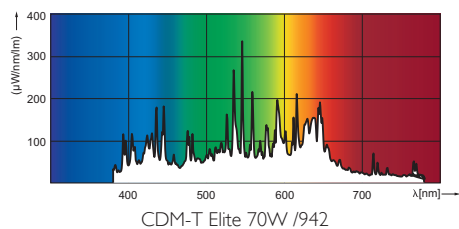
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T ACCENT 70W/942 G12	103	20	55	56	57	7.15

Dimensional drawing



G12

Photometric data



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data subject to change