



MASTERColour CDM-T Elite

MASTERColour CDM-T Elite 70W/930 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 EM	15000 hr
Life to 50% failures EL	15000 hr

• Light Technical Characteristics

Color Code	930 [CCT of 3000K]
Color Rendering Index	87 (min), 90 (nom) Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Color Temperature Technical	2970 K
Luminous Flux Lamp EM	7500 Lm
Luminous Flux Lamp EL	7800 Lm
Luminous Efficacy Lamp EM	103 Lm/W
Luminous Efficacy Lamp EL	106 Lm/W
Lumen Maintenance EL 1000h	97 %
Lumen Maintenance EL 2000h	95 %

Lumen Maintenance EL 4000h	90 %
Lumen Maintenance EL 5000h	88 %
Lumen Maintenance EL 8000h	87 %
Lumen Maintenance EL 10000h	83 %
Lumen Maintenance EL 12000h	82 %
Lumen Maintenance EL 15000h	80 %
Design Mean Lumens EL	6730 Lm
Chromaticity Coordinate X	0.435 -
Chromaticity Coordinate Y	0.396 -

• 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	85 V
Lamp Current EM	1 A
Lamp Current EL	0.86 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min

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Re-ignition Time [min]	15 (max) min
Dimmable	No

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	6.6 mg
Energy consumption kWh/1000h	80 kWh

• UV-related Characteristics

Damage Factor D/fc PET (NIOSH)	0.2 (nom), 0.3 (max) - 8 (min), 64 (nom) 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	4 (max) in
Diameter D [inch]	0.79 (max) in

• Product Data

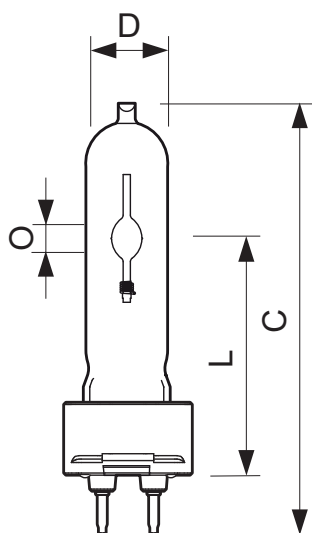
Order code	928185305131
Full product code	928185305131
Full product name	MASTERColour CDM-T Elite 70W/930 G12 1CT
Order product name	MASTERC CDM-T Elite 70W/930 G12 1CT/12
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8727900911411
Bar code on outerbox - EAN3	8727900911428
Logistic code(s) - 12NC	928185305131
ILCOS code	MT/UB-70/930-H-G12-20/90
Net weight per piece	0.029 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

- Lamps may use electronic or electromagnetic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)

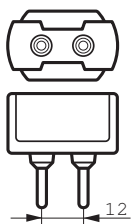
Dimensional drawing



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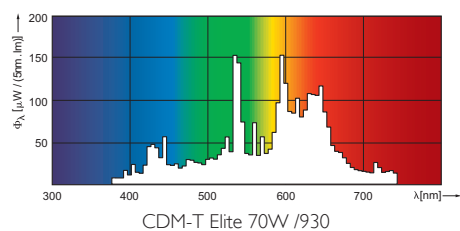
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T ACCENT 70W/930 G12	103	20	55	56	57	7.15

Dimensional drawing



G12

Photometric data



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data subject to change