



MASTERColour CDM-TC Elite

MASTERColour CDM-TC Elite 70W/942 G8.5 1CT

Compact, 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	G8.5
Bulb	T14 [T 14 mm]
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	89 (min), 92 (nom) Ra8
Color Designation (text)	Cool White
Color Temperature	4200 K
Color Temperature Technical	4400 K
Luminous Flux Lamp EL	7450 Lm
Luminous Efficacy Lamp EL	102 Lm/W
Lumen Maintenance EL 2000h	88 %
Lumen Maintenance EL 5000h	85 %
Lumen Maintenance EL 10000h	81 %
Lumen Maintenance EL 12000h	80 %
Design Mean Lumens EL	6250 Lm

Chromaticity Coordinate X	0.365 -
Chromaticity Coordinate Y	0.363 -

• Electrical Characteristics

System Power EL	80 W
Lamp Wattage	70 W
Lamp Wattage EL 25°C, Rated	73.0 W
Lamp Wattage EL 25°C, Nominal	70.0 W
Lamp Voltage	88 V
Lamp Current EL	0.83 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	6.5 mg
Energy consumption kWh/1000h	80 kWh

• UV-related Characteristics

Damage Factor D/fc PET (NIOSH)	0.4 (max) - 8 (min) h500lx
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• Luminaire Design Requirements

Pinch Temperature	300 (max) C
Bulb Temperature	500 (max) C

• Product Dimensions

Overall Length C	85 (max) mm
Diameter D	15 (max) mm
Light Center Length L	51 (min), 52 (nom), 53 (max) mm
Arc Length O	7.75 mm
Light Center Length L [inch]	2 (min), 2.45 (nom), 2.9 (max) in
Overall Length C [inch]	3.3 (max) in
Diameter D [inch]	0.6 (max) in

• Product Data

Order code	928193905131
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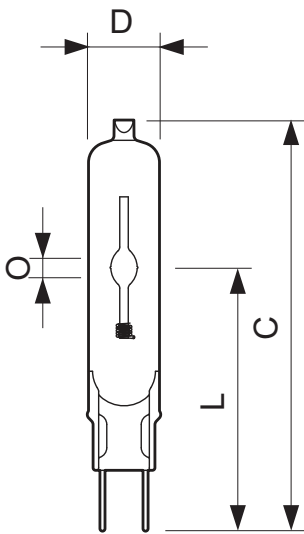
Full product code	928193905131
Full product name	MASTERColour CDM-TC Elite 70W/942 G8.5 1CT
Order product name	MASTERC CDM-TC Elite 70W/942 G8.5 1CT
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8718291163688
Bar code on outerbox - EAN3	8718291163695
Logistic code(s) - 12NC	928193905131
ILCOS code	MT/UB-70/942-H-G8.5-17/85
Net weight per piece	0.009 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

- 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.

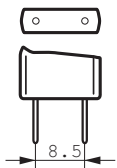
Dimensional drawing



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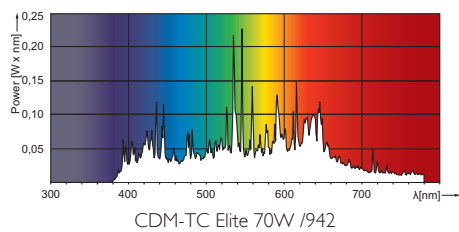
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-TC Elite 70W/942 G8.5	85	15	51	52	53	7.75

Dimensional drawing



G8.5

Photometric data



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2015, August 29
data subject to change