



# MASTERColour CDM-TC Elite

MASTERColour CDM-TC Elite 70W/930 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	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 EL	7700 Lm
Luminous Efficacy Lamp EL	105 Lm/W
Lumen Maintenance EL 2000h	95 %
Lumen Maintenance EL 5000h	88 %
Lumen Maintenance EL 10000h	83 %
Lumen Maintenance EL 12000h	82 %
Design Mean Lumens EL	6650 Lm

Chromaticity Coordinate X	0.435 -
Chromaticity Coordinate Y	0.396 -

### • Electrical Characteristics

System Power EL	83 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	85 V
Lamp Current EL	0.86 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	6.6 mg
Energy consumption kWh/1000h	80 kWh

### • UV-related Characteristics

Damage Factor D/fc PET (NIOSH)	0.3 (max) - 8 (min) h500lx
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## • Luminaire Design Requirements

Pinch Temperature	350 (max) C
Bulb Temperature	550 (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	7.15 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	928189505131
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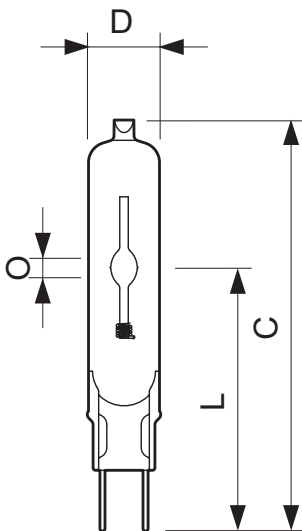
Full product code	928189505131
Full product name	MASTERColour CDM-TC Elite 70W/930 G8.5 1CT
Order product name	MASTERC CDM-TC Elite 70W/930 G8.5 1CT/12
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8727900911534
Bar code on outerbox - EAN3	8727900911541
Logistic code(s) - 12NC	928189505131
ILCOS code	MT/UB-70/930-H-G8.5-17/85
Net weight per piece	0.010 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)

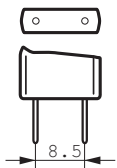
## Dimensional drawing



## MASTERColour CDM-TC Elite 70W/930 G8.5 1CT

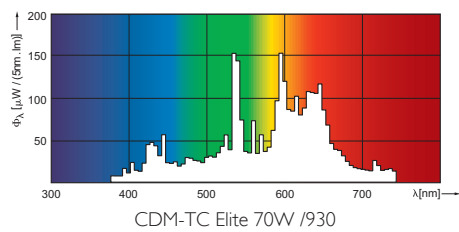
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-TC ACCENT 70W/930 G8.5	85	15	51	52	53	7.15

## Dimensional drawing



G8.5

## Photometric data



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2014, April 10  
data subject to change