



MASTERC colour CDM-TC Elite

MASTERC colour 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	87 (min), 90 (nom) Ra8
Color Designation (text)	Cool White
Color Temperature	4200 K
Color Temperature Technical	4200 K
Luminous Flux Lamp EL	7400 Lm
Luminous Efficacy Lamp EL	101 Lm/W
Lumen Maintenance EL 2000h	92 %
Lumen Maintenance EL 5000h	86 %
Lumen Maintenance EL 10000h	77 %
Lumen Maintenance EL 12000h	76 %
Design Mean Lumens EL	6500 Lm

Chromaticity Coordinate X	0.371 -
Chromaticity Coordinate Y	0.366 -

• 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	84 V
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

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	6 mg
Energy consumption kWh/1000h	80 kWh

• UV-related Characteristics

Damage Factor D/fc PET (NIOHS)	0.4 (nom), 0.5 (max) - 8 (min), 20 (nom) h500lx
--------------------------------	---



asimpleswitch.com

PHILIPS

MASTERColour CDM-TC Elite

• 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	7.15 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	928193905131
------------	--------------

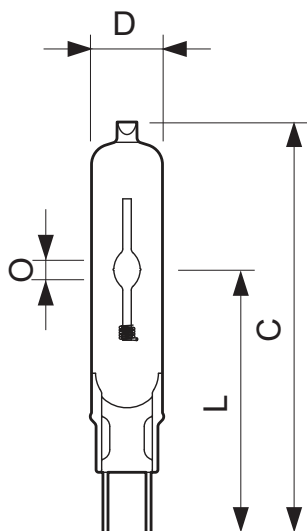
Full product code	928193905131
Full product name	MASTERColour CDM-TC Elite 70W/942 G8.5 1CT
Order product name	MASTERC CDM-TC Elite 70W/942 G8.5 1CT
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8718291163688
Bar code on outerbox - EAN3	8718291163695
Logistic 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)

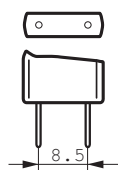
Dimensional drawing



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

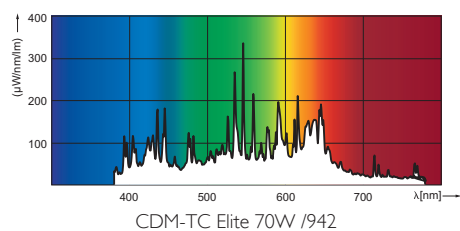
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-TC ACCENT 70W/942 G8.5	85	15	51	52	53	7.15

Dimensional drawing



G8.5

Photometric data



© 2014 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2014, February 18
data subject to change