

MASTERCcolour CDM-T

MASTERCcolour CDM-T 70W/942 G12 1CT

Range of single-ended, compact, high-efficiency, discharge lamps with a stable color over lifetime and a crisp, sparkling light

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 EM	9000 hr
Life to 5% failures EL	9000 hr
Life to 10% failures EM	10000 hr
Life to 10% failures EL	10000 hr
Life to 20% failures EM	11000 hr
Life to 20% failures EL	11000 hr
Life to 50% failures EM	12000 hr
Life to 50% failures EL	12000 hr

• Light Technical Characteristics

Color Code	942 [CCT of 4200K]
Color Rendering Index	92 Ra8
Color Designation (text)	Cool White
Color Temperature	4200 K
Color Temperature Technical	4185 K
Luminous Flux Lamp EM	6600 Lm
Luminous Flux Lamp EL	6600 Lm
Luminous Efficacy Lamp EM	92 Lm/W

Luminous Efficacy Lamp EL	92 Lm/W
Lumen Maintenance EM 2000h	85 %
Lumen Maintenance EL 2000h	85 %
Lumen Maintenance EM 5000h	70 %
Lumen Maintenance EL 5000h	75 %
Lumen Maintenance EM 10000h	55 %
Lumen Maintenance EL 10000h	65 %
Design Mean Lumens EL	4900 Lm
Design Mean Lumens EM	3900 Lm
Chromaticity Coordinate X	0.377 -
Chromaticity Coordinate Y	0.376 -

• Electrical Characteristics

System Power EM	88 W
System Power EL	80 W
Lamp Wattage	70 W
Lamp Wattage EM	72.0 W
Lamp Wattage EL	73 W
Lamp Voltage	88 V
Lamp Current EM	0.98 A
Lamp Current EL	0.87 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Ignition Peak Voltage	3500 (min) V

PHILIPS

sense and simplicity

MASTERColour CDM-T

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

• Environmental Characteristics

Mercury (Hg) 6.1 mg
Content

• UV-related Characteristics

PET (NIOSH) 35 h.klx
Damage Factor D/fc 0.35 -

• Luminaire Design Requirements

Cap-Base Temperature 280 (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 55 (min), 56 (nom), 57 (max) mm
L

Arc Length O 6 mm
Light Center Length 2.21875 in
L [inch]
Overall Length C 3.9375 (max) in
[inch]
Diameter D [inch] 0.75 in

• Product Data

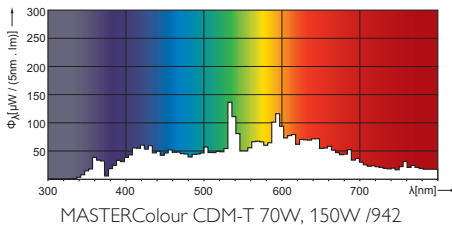
Order code 928084505131
Full product code 928084505131
Full product name MASTERColour CDM-T 70W/942
G12 1CT
Order product name MASTERC CDM-T 70W/942 G12
1CT/12
Pieces per pack 1
Packing configuration 12
Packs per outerbox 12
Bar code on pack - 8711500199270
EAN1
Bar code on 8711500199287
outerbox - EAN3
Logistic code(s) - 928084505131
12NC
ILCOS code MT-70/42/1A-H-G12
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

- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Lamps may use electronic or electromagnetic control gear, except 35W/942 and 20W lamps, which must use electronic control gear.

Photometric data





© 2013 Koninklijke Philips Electronics N.V.
All rights reserved.

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

www.philips.com/lighting

2013, April 26
data subject to change