

# MASTERC colour CDM-T

MASTERC colour CDM-T 150W/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 50% failures EM	12000 hr
Life to 50% failures EL	12000 hr
Life to 10% failures EM	10000 hr
Life to 5% failures EL	9000 hr
Life to 5% failures EM	9000 hr
Life to 20% failures EL	11000 hr
Life to 20% failures EM	11000 hr
Life to 10% failures EL	10000 hr

### • Electrical Characteristics

System Power EM	165 W
System Power EL	167 W
Lamp Wattage	150 W
Lamp Wattage EM	145.0 W
Lamp Wattage EL	150 W
Lamp Voltage	90 V
Lamp Current EM	1.9 A
Lamp Current EL	1.7 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Ignition Peak Voltage	3500 (min) V
Re-ignition Time [min]	15 (max) min
Dimmable	No

### • Environmental Characteristics

Mercury (Hg) Content	10.4 mg
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### • Light Technical Characteristics

Color Code	942 [CCT of 4200K]
Color Rendering Index	96 Ra8
Color Designation (text)	Cool White
Color Temperature	4200 K
Color Temperature Technical	4050 K
Chromaticity Coordinate X	0.375 -
Chromaticity Coordinate Y	0.363 -
Luminous Flux Lamp EM	12700 Lm
Luminous Flux Lamp EL	12700 Lm
Luminous Efficacy Lamp EM	88 Lm/W
Luminous Efficacy Lamp EL	88 Lm/W
Lumen Maintenance EM 2000h	85 %
Lumen Maintenance EL 2000h	85 %
Lumen Maintenance EM 5000h	75 %
Lumen Maintenance EL 5000h	80 %

# PHILIPS

sense and simplicity

# MASTERC colour CDM-T

Lumen Maintenance EM 10000h 65 %  
 Lumen Maintenance EL 10000h 70 %

Pinch Temperature 350 (max) C  
 Bulb Temperature 650 (max) C

• UV-related Characteristics

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

• Product Dimensions

Reference Length A 96 (max) mm  
 Overall Length C 110 (max) mm  
 Diameter D 20 (max) mm  
 Light Center Length L 55 (min), 56 (nom), 57 (max) mm  
 Arc Length O 8 mm  
 Light Center Length L [inch] 2.21875 in  
 Overall Length C [in] 4.34375 (max) in  
 Diameter [inch]- D 0.75 in

• Luminaire Design Requirements

Cap-Base Temperature 280 (max) C

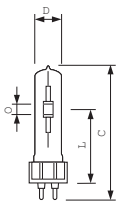
• Product Data

Order code 928084605131  
 Full product code 928084605131  
 Full product name MASTERC colour CDM-T 150W/942 G12 1CT  
 Order product name MASTERC CDM-T 150W/942 G12 1CT/12  
 Pieces per pack 1  
 Packing configuration 12  
 Packs per outerbox 12  
 Bar code on pack - EAN1 8711500200051  
 Bar code on outerbox - EAN3 8711500200068  
 Logistic code(s) - 12NC 928084605131  
 ILCOS code MT-150/42/1A-H-G12  
 Net weight per piece 0.033 kg

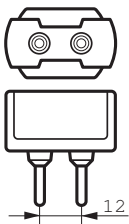
## Warnings and Safety

- 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.

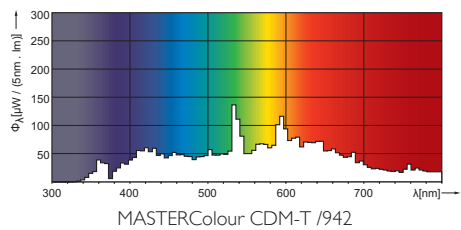
## Dimensional drawing



Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T 150W/942 G12	110	20	55	56	57	8



## Photometric data



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2011, July 12  
data subject to change