

# MASTERCcolour CDM-TC

MASTERCcolour CDM-TC 35W/830 G8.5 1CT

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



## Product data

### • General Characteristics

Cap-Base	G8.5
Bulb	T14 [T 14 mm]
Bulb Material	UV-Block Quartz
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
Life to 5% failures EM	6000 hr
Life to 5% failures EL	6000 hr
Life to 10% failures EM	8000 hr
Life to 10% failures EL	8000 hr
Life to 20% failures EM	9000 hr
Life to 20% failures EL	9000 hr
Life to 50% failures EM	10000 hr
Life to 50% failures EL	12000 hr

### • Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	81 Ra8
Color Designation (text)	Warm White
Color Temperature Technical	3000 K
Luminous Flux Lamp EM	3000 Lm
Luminous Flux Lamp EL	3100 Lm
Luminous Efficacy Lamp EM	87 Lm/W

Lumen Maintenance EM 2000h	70 %
Lumen Maintenance EL 2000h	80 %
Lumen Maintenance EM 5000h	55 %
Lumen Maintenance EL 5000h	65 %
Lumen Maintenance EM 10000h	35 %
Lumen Maintenance EL 10000h	50 %
Design Mean Lumens EL	2200 Lm
Design Mean Lumens EM	1850 Lm
Chromaticity Coordinate X	0.432 -
Chromaticity Coordinate Y	0.394 -

### • Electrical Characteristics

System Power EM	47 W
System Power EL	44 W
Lamp Wattage	35 W
Lamp Wattage EM	38 W
Lamp Wattage EL	38 W
Lamp Voltage	88 V
Lamp Current EM	0.53 A
Lamp Current EL	0.47 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

**PHILIPS**

## • Environmental Characteristics

Mercury (Hg) Content 3 mg

## • UV-related Characteristics

PET (NIOSH) 44 h.klx  
Damage Factor D/fc 0.27 -

## • 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 5 mm  
Light Center Length L [inch] 2 in

Overall Length C [inch] 3.34375 (max)  
Diameter D [inch] 0.5 in

## • Product Data

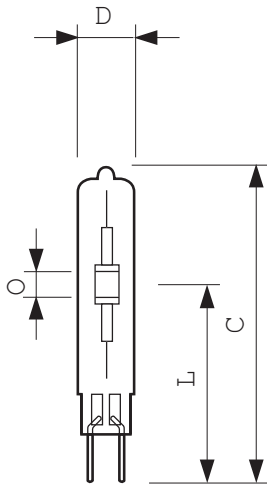
Order code 928085205125  
Full product code 928085205125  
Full product name MASTERColour CDM-TC 35W/830 G8.5 1CT  
Order product name MASTERC CDM-TC 35W/830 G8.5 1CT/12  
Pieces per pack 1  
Packing configuration 12  
Packs per outerbox 12  
Bar code on pack - EAN1 8711500200006  
Bar code on outerbox - EAN3 8711500200013  
Logistic code(s) - 12NC 928085205125  
ILCOS code MT-35/30/1A-H-G8.5  
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

- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Use only with electronic control gear. 35W/830 lamps may also use electromagnetic gear.

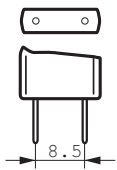
## Dimensional drawing



## MasterColor CDM-TC 35W/830 T4 CL

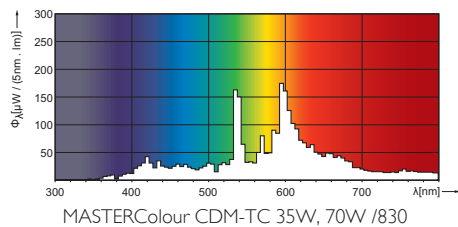
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-TC 35W/830 G8.5	85	15	51	52	53	5

## Dimensional drawing



G8.5

## Photometric data



© 2013 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](http://www.philips.com/lighting)

2013, June 27  
data subject to change