



MASTERCcolour CDM-TC

MASTERCcolour CDM-TC 70W/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 50% failures EL	12000 hr
Life to 5% failures EL	6000 hr
Life to 20% failures EL	9000 hr
Life to 10% failures EL	8000 hr

• Electrical Characteristics

System Power EL	83 W
Lamp Wattage	70 W
Lamp Wattage EL	73 W
Lamp Voltage	83 V
Lamp Current EL	0.87 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	4.5 mg
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• Light Technical Characteristics

Color Code	830 [CCT of 3000K]
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Color Rendering Index	80 (min), 83 (nom) Ra8
Color Designation (text)	Warm White
Color Temperature Technical	3000 K
Chromaticity Coordinate X	0.439 -
Chromaticity Coordinate Y	0.398 -
Luminous Flux Lamp EL	6500 Lm
Luminous Efficacy Lamp EL	89 Lm/W
Lumen Maintenance EL 2000h	85 %
Lumen Maintenance EL 5000h	75 %
Lumen Maintenance EL 10000h	65 %

• UV-related Characteristics

PET (NIOSH)	64 h.klx
Damage Factor D/fc	0.22 -

• 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 mm
Light Center Length L [inch]	2 in
Overall Length C [in]	3.34375 (max) in

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sense and simplicity

MASTERCcolour CDM-TC

Diameter [inch]- D 0.5 in

• Luminaire Design Requirements

Pinch Temperature 300 (max) C
Bulb Temperature 550 (max) C

• Product Data

Order code 928086505131
Full product code 928086505131
Full product name MASTERCcolour CDM-TC 70W/830 G8.5 1CT

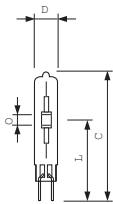
Order product name MASTERC CDM-TC 70W/830 G8.5 1CT/12

Pieces per pack 1
Packing configuration 12
Packs per outerbox 12
Bar code on pack - EAN1 8711500201676
Bar code on outerbox - EAN3 8711500201683
Logistic code(s) - 12NC 928086505131
ILCOS code MT-70/30/1B-H-G8.5
Net weight per piece 0.010 kg

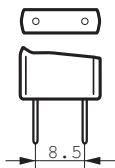
Warnings and Safety

- 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.

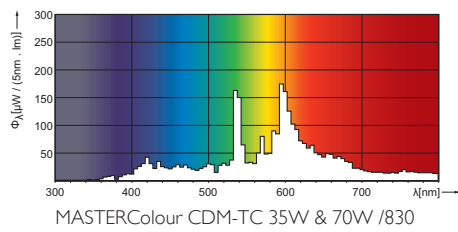
Dimensional drawing



Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-TC 70W/830 G8.5	85	15	51	52	53	7



Photometric data



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data subject to change