



# MASTERColour CDM-Tm Mini

MASTERColour CDM-Tm Mini 20W/830 PGJ5 1CT

Mini, single-ended, high-efficiency Ceramic Metal Halide discharge lamp producing crisp white sparkling light

## Product data

### • General Characteristics

Cap-Base	PGJ5
Bulb	T3.5
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
Life to 5% failures	9000 hr
Life to 10% failures	10000 hr
Life to 20% failures	11000 hr
Life to 50% failures	12000 hr

### • Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	84 (min), 87 (nom) Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Color Temperature Technical	2975 K
Luminous Flux Lamp EL	1650 Lm
Luminous Efficacy Lamp EL	75 Lm/W
Lumen Maintenance 1000h	80 %
Lumen Maintenance 2000h	75 %
Lumen Maintenance 5000h	65 %
Lumen Maintenance 10000h	60 %
Design Mean Lumens EL	1100 Lm
Chromaticity Coordinate X	0.433 -

Chromaticity Coordinate Y 0.392 -

### • Electrical Characteristics

System Power EL	24 W
Lamp Wattage	20 W
Lamp Wattage EL 25°C, Rated	22.0 W
Lamp Wattage EL 25°C, Nominal	20.0 W
Lamp Voltage	100 V
Lamp Current EL	0.220 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	2.4 mg
Energy consumption kWh/1000h	24 kWh

### • UV-related Characteristics

Damage Factor D/fc PET (NIOSH)	0.5 (max) - 8 (min) h500lx
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### • Luminaire Design Requirements

Cap-Base Temperature	250 (max) C
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# MASTERColour CDM-Tm Mini

Bulb Temperature 380 (max) C

## • Product Dimensions

Overall Length C 52 (max) mm  
 Diameter D 11.2 (max) mm  
 Light Center Length L 22.3 (min), 22.6 (nom), 22.9 (max) mm  
 Arc Length O 3 mm  
 Light Center Length L [inch] 0.87 in  
 Overall Length C [inch] 1.75 (max) in  
 Diameter D [inch] 0.44 in

## • Product Data

Order code 928087905130

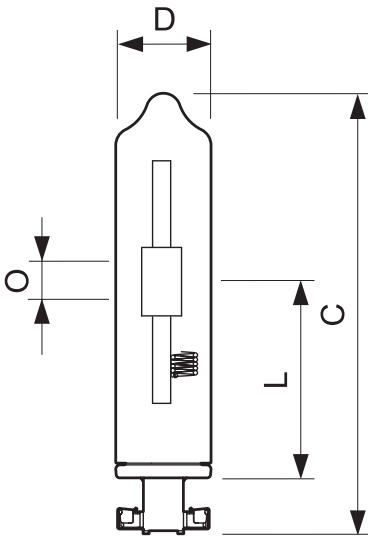
Full product code 928087905130  
 Full product name MASTERColour CDM-Tm Mini 20W/830 PGJ5 1CT  
 Order product name MASTERC CDM-Tm Mini 20W/830 PGJ5 1CT/12  
 Pieces per pack 1  
 Packing configuration 12  
 Packs per outerbox 12  
 Bar code on pack - EAN1 8711500207517  
 Bar code on outerbox - EAN3 8711500207524  
 Logistic code(s) - 12NC 928087905130  
 ILCOS code MT/UB-20/830-H-PGJ5-11.2/52  
 Net weight per piece 0.005 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)
- For 20W PGJ5 lamp, use only Philips electronic control gear HID PV mini PGJ5 20W
- For 35W PGJ5 lamp, use only Philips electronic control gear HID PV mini PGJ5 35W

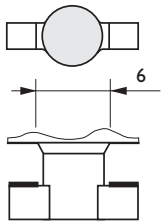
## Dimensional drawing



## MASTERColour CDM-Tm Mini 20W/830 PGJ5 1CT

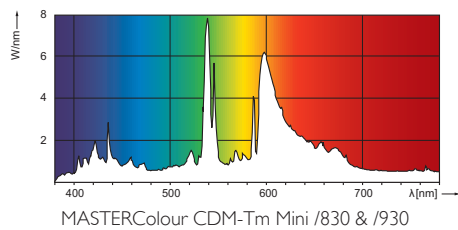
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Min)	O (Norm)	O (Max)
CDM-Tm 20W/830 PGJ5	52	11.2	22.3	22.6	22.9	-	3	-

## Dimensional drawing



PGJ5

## Photometric data



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2014, October 14  
data subject to change