



MASTERCcolour CDM-Tm Mini GU6.5

MASTERCcolour CDM-Tm Mini GU6.5 20W/830 1CT

Miniature, single-ended ceramic metal halide lamp GU6.5 twist-lock lamp base, according to global IEC standard

Product data

• General Characteristics

Cap-Base	GU6.5 [GU6.5]
Bulb	T-4
Bulb Finish	Clear
Burning Position	any [Any/Universal]
Life to 5% failures	9000 hr
Life to 10% failures	10000 hr
Life to 20% failures	12000 hr
Life to 50% failures	15000 hr

• Light Technical Characteristics

Colour Code	830 [CCT of 3000K]
Colour Rendering Index	81 (min), 84 (nom) Ra8
Colour Designation	Warm white
Colour Temperature	3000 K
Colour Temperature Technical	2950 K
Lamp Luminous Flux EL	1800 Lm
Lamp Luminous Efficacy EL	90 Lm/W
Lumen Maintenance 1000h	91 %
Lumen Maintenance 2000h	87 %
Lumen Maintenance 4000h	84 %
Lumen Maintenance 5000h	83 %
Lumen Maintenance 8000h	80 %
Lumen Maintenance 10000h	78 %
Lumen Maintenance 12000h	77 %

Lumen Maintenance 15000h	75 %
Design Mean Lumens EL	1400 Lm
Chromaticity Coordinate X	0.436 -
Chromaticity Coordinate Y	0.396 -

• Electrical Characteristics

System Power EL	23.5 W
Lamp Wattage	20 W
Lamp Wattage EL 25°C, Rated	20.0 W
Lamp Wattage EL 25°C, Nominal	20.0 W
Lamp Voltage	94 V
Lamp Current EL	0.215 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	3.5 mg
Energy consumption kWh/1000h	22 kWh

• UV-related Characteristics

Damage Factor D/fc	0.5 (max) -
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MASTERColour CDM-Tm Mini GU6.5

PET (NIOSH) 8 (min) h500lx

• Luminaire Design Requirements

Cap-Base Temperature 250 (max) C
Bulb Temperature 380 (max) C

• Product Dimensions

Overall Length C 56.7 (max) mm
Diameter D 13.3 (max) mm
Light Center Length L 29.7 (min), 30 (nom), 30.3 (max) mm
Arc Length O 3.5 mm
Light Center Length L [inch] 1.18 in
Overall Length C [inch] 2.25 (max) in
Diameter D [inch] 0.5 in

• Product Data

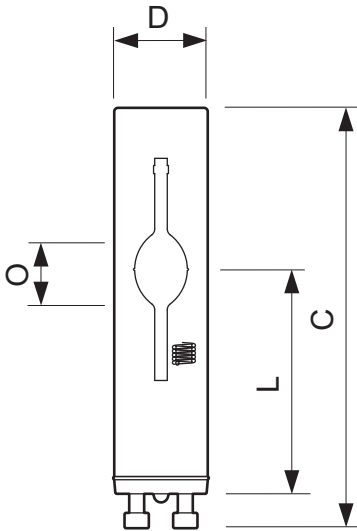
Order code 890839 00
Full product code 872790089083900
Full product name MASTERColour CDM-Tm Mini GU6.5 20W/830 1CT
Order product name MASTERC CDM-Tm Mini GU6.5 20W/830 1CT/12
Pieces per pack 1
Packing configuration 12
Packs per outerbox 12
Bar code on pack - EAN1 8727900890839
Bar code on outerbox - EAN3 8727900890846
Logistic code(s) - 12NC 928183505130
ILCOS code MT/UB-20/830-H-GU6.5-13.3/52
Net weight per piece 0.007 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)

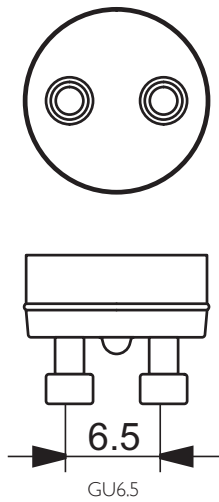
Dimensional drawing



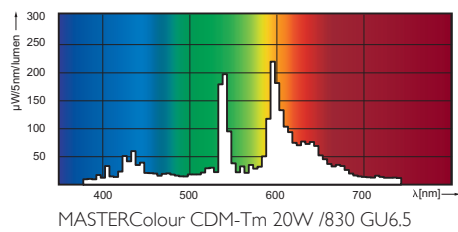
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Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Min)	O (Norm)	O (Max)
CDM-Tm 20W/830 GU6.5	56.7	13.3	29.7	30	30.3	-	3.5	-

Dimensional drawing



Photometric data



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data subject to change