



MASTERCcolour CDM-Tm Mini

MASTERCcolour CDM-Tm Mini 20W/830 PGJ5 KIT

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

Product data

• General Characteristics

Cap-Base	PGJ5
Bulb	T-3 1/2
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

Full product code 914499996230
 Full product name MasterColor CDM-TM 20W/830 PGJ5 1SYS
 Order product name MMC LAMPKIT CDM-TM 20W/830
 Pieces per pack 1
 Packing configuration 12
 Packs per outerbox 12
 Bar code on pack - EAN1 8711500207661
 Bar code on outerbox - EAN3 8711500207579
 Logistic code(s) - 12NC 914499996230
 ILCOS code MC-20/30/1B-H-PGJ5
 Net weight per piece 0.013 kg

• Product Dimensions

Overall Length C 55 (max) mm
 Diameter D 11.2 (max) mm
 Light Center Length L 32 (min), 32.6 (nom), 33.1 (max) mm
 Arc Length O 3 mm
 Light Center Length L [inch] 1.28 in
 Overall Length C [inch] 2.5 (max) in
 Diameter D [inch] 0.44 in

• Product Data

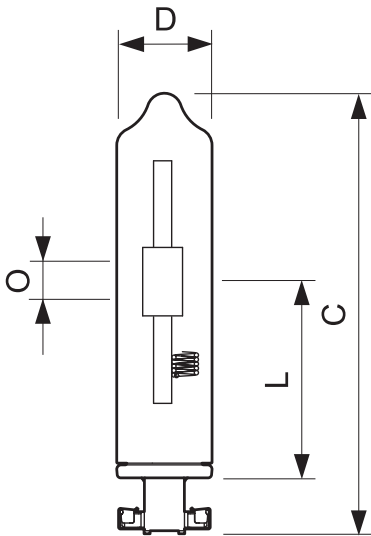
Order code 914499996230

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

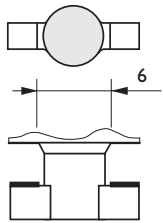
Dimensional drawing



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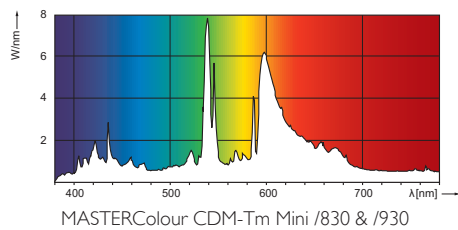
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Min)	O (Norm)	O (Max)
CDM-Tm 20W/830 Lamp Kit	55	11.2	32	32.6	33.1	-	3	-

Dimensional drawing



PGJ5

Photometric data



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data subject to change