



Product Description

MASTERColour CDM-Tm Mini PGJ5

Miniature, single-ended ceramic metal halide lamp PGJ5 twist-lock lamp base

Benefits

- Stable colour impression over lifetime
- High efficacy for low operating costs and low heat generation
- Long life compared with halogen lamps
- Relatively low heat output enhances comfort for shoppers and staff
- Mechanical retrofit in halogen capsule (GY6.35) luminaires (same light centre length). For full retrofit gear and lampholder also need to be exchanged
- UV Block for reduced fading risk of merchandise

Features

- Crisp, sparkling light for a comfortable atmosphere
- Low heat generation
- Warm white colour impression
- Good colour rendering
- Miniature size allows design of very compact luminaires with high beam intensities for mounting close to illuminated object
- Easy replacement due to robust twist-lock socket
- Universal burning position

Application

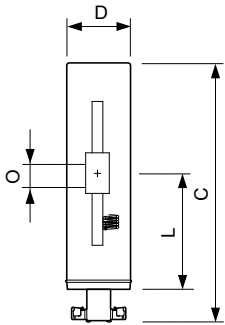
- Accent and display lighting with a sparkling effect
- Decorative outdoor floodlighting

MASTERColour CDM-Tm Mini PGJ5

Versions



Dimensional drawing



Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MMC LAMPKIT CDM-TM 20W/830	13.3 mm	0.44 in	3 mm	22.3 mm	22.9 mm	22.6 mm	52 mm
MASTERColour CDM-Tm Mini 35W/930 PGJ5 1CT/12	13.3 mm	0.44 in	4 mm	22.3 mm	22.9 mm	22.6 mm	52 mm
MASTERColour CDM-Tm Mini 20W/830 PGJ5 1CT/12	13.3 mm	0.44 in	3 mm	22.3 mm	22.9 mm	22.6 mm	52 mm

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Approval and Application

Energy Efficiency Label (EEL)	A
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Controls and Dimming

Dimmable	no
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Operating and Electrical

Re-ignition Time (Min) (Max)	15 min
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General Information

Cap-Base	PGJ5
Life To 10% Failures (Nom)	10000 h
Life To 20% Failures (Nom)	11000 h
Life To 50% Failures (Nom)	12000 h
Life To 5% Failures (Nom)	9000 h
Operating Position	UNIVERSAL

Light Technical

Colour Designation	Warm white (WW)
Correlated Colour Temperature (Nom)	3000 K
Lumen Maintenance 10000 h (Nom)	60 %

Mechanical and Housing

Bulb Finish	Clear (CL)
Bulb Shape	T13.3

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
914499996230	MMC LAMPKIT CDM-TM 20W/830	24 kWh	2.4 mg
928087905130	MASTERColour CDM-Tm Mini 20W/830 PGJ5 1CT/12	24 kWh	2.4 mg
928093905130	MASTERColour CDM-Tm Mini 35W/930 PGJ5 1CT/12	43 kWh	2.74 mg

Operating and Electrical

Order Code	Full Product Name	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
914499996230	MMC LAMPKIT CDM-TM 20W/830	108 V	95 V	100 V	22.0 W
928087905130	MASTERColour CDM-Tm Mini 20W/830 PGJ5 1CT/12	108 V	95 V	100 V	22.0 W

Order Code	Full Product Name	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
928093905130	MASTERColour CDM-Tm Mini 35W/930 PGJ5 1CT/12	104 V	88 V	96 V	39.0 W

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
914499996230	MMC LAMPKIT CDM-TM 20W/830	380 °C
928087905130	MASTERColour CDM-Tm Mini 20W/830 PGJ5 1CT/12	380 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928093905130	MASTERColour CDM-Tm Mini 35W/930 PGJ5 1CT/12	480 °C

Light Technical (1/2)

MASTERColour CDM-Tm Mini PGJ5

Order Code	Full Product Name	Chromaticity		Colour Rendering	
		Coordinate X (Nom)	Coordinate Y (Nom)	Colour Code	Index (Min)
914499996230	MMC LAMPKIT CDM-TM 20W/830	0.433	0.392	830	84
928087905130	MASTERColour CDM-Tm Mini	0.433	0.392	830	84

Order Code	Full Product Name	Chromaticity		Colour Rendering	
		Coordinate X (Nom)	Coordinate Y (Nom)	Colour Code	Index (Min)
	20W/830 PGJ5 1CT/12				
928093905130	MASTERColour CDM-Tm Mini 35W/930 PGJ5 1CT/12	0.436	0.396	930	88

Light Technical (2/2)

Order Code	Full Product Name	Colour Rendering		Lumen Maintenance			Luminous Efficacy	Luminous Flux
		Index (Nom)	Index (Nom)	1000 h (Nom)	2000 h (Nom)	5000 h (Nom)	(rated) (Nom)	(Rated) (Nom)
914499996230	MMC LAMPKIT CDM-TM 20W/830	87	87	80 %	75 %	65 %	75 lm/W	1650 lm
928087905130	MASTERColour CDM-Tm Mini 20W/830 PGJ5 1CT/12	87	87	80 %	75 %	65 %	75 lm/W	1650 lm
928093905130	MASTERColour CDM-Tm Mini 35W/930 PGJ5 1CT/12	91	91	85 %	80 %	70 %	77 lm/W	3000 lm

