



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

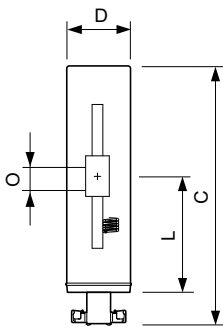
Warnings and Safety

- 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
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Versions



Dimensional drawing



Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-Tm Mini 20W/830 PGJ5 1CT/12	13.2 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	13.2 mm	0.44 in	4 mm	22.3 mm	22.9 mm	22.6 mm	52 mm

MASTERCcolour CDM-Tm Mini PGJ5

Controls and Dimming

Dimmable	No
----------	----

Operating and Electrical

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

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

Chromaticity Coordinate X (Nom)	0.434
Chromaticity Coordinate Y (Nom)	0.398
Colour Designation	Warm white (WW)
Correlated Colour Temperature (Nom)	3000 K
Lumen Maintenance 10000 h (Nom)	60 %

Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	T13.3

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
20751715	MASTERC CDM-TM MINI 20W/830 PGJ5 1CT/12	23 kWh	2.4 mg	2.4 mg
21149115	MASTERC CDM-TM MINI 35W/930 PGJ5 1CT/12	40 kWh	2.7 mg	2.74 mg

Operating and Electrical

Order Code	Full Product Name	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Nom)
20751715	MASTERC CDM-TM MINI 20W/830 PGJ5 1CT/12	108 V	95 V	100 V	22.1 W

Order Code	Full Product Name	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Nom)
21149115	MASTERC CDM-TM MINI 35W/930 PGJ5 1CT/12	104 V	88 V	96 V	39.1 W

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
20751715	MASTERC CDM-TM MINI 20W/830 PGJ5 1CT/12	380 °C

Order Code	Full Product Name	Bulb Temperature (Max)
21149115	MASTERC CDM-TM MINI 35W/930 PGJ5 1CT/12	480 °C

Light Technical (1/2)

Order Code	Full Product Name	Colour Code	Colour Rendering Index (Min)	Colour Rendering Index (Nom)	Lumen Maintenance 1000 h (Nom)
20751715	MASTERC CDM-TM MINI 20W/830 PGJ5 1CT/12	830	84	87	80 %

Order Code	Full Product Name	Colour Code	Colour Rendering Index (Min)	Colour Rendering Index (Nom)	Lumen Maintenance 1000 h (Nom)
21149115	MASTERC CDM-TM MINI 35W/930 PGJ5 1CT/12	930	88	91	85 %

Light Technical (2/2)

MASTERColour CDM-Tm Mini PGJ5

Order Code	Full Product Name	Lumen Maintenance	Lumen Maintenance	Luminous Efficacy	Luminous Flux	Luminous Flux
		2000 h (Nom)	5000 h (Nom)	(rated) (Nom)	(Nom)	(Rated) (Nom)
20751715	MASTERC CDM-TM MINI 20W/830 PGJ5 1CT/12	75 %	65 %	72 lm/W	1600 lm	1600 lm
21149115	MASTERC CDM-TM MINI 35W/930 PGJ5 1CT/12	80 %	70 %	77 lm/W	3000 lm	3000 lm

