

PHILIPS

Lighting



MASTERCoulour CDM-Tm Mini PGJ5

MASTERC CDM-TM MINI 20W/830 PGJ5 1CT/12

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

Product data

General Information

Cap base	PGJ5 [PGJ5]
Operating position	UNIVERSAL [Any/Universal]
Life to 5% failures (nom.)	9000 h
Life to 10% failures (nom.)	10000 h
Life to 20% failures (nom.)	11000 h
Life to 50% failures (nom.)	12000 h

Light Technical

Colour code	830 [CCT of 3,000 K]
Luminous flux (rated) (nom.)	1650 lm
Colour designation	Warm white (WW)
Lumen maintenance 1,000 hours (nom.)	80 %
Lumen maintenance 10,000 hours (nom.)	60 %
Lumen maintenance 2,000 hours (nom.)	75 %
Lumen maintenance 5,000 hours (nom.)	65 %
Chromaticity coordinate X (nom.)	0.433
Chromaticity coordinate Y (nom.)	0.392
Correlated colour temperature (nom.)	3000 K
Luminous efficacy (rated) (nom.)	75 lm/W
Color rendering index (min.)	84
Color rendering index (nom.)	87

Operating and Electrical

Power (Rated) (Nom)	22.0 W
Lamp current run-up (max.)	.5 A
Re-ignition time (min.) (max.)	15 min
Ignition time (max.)	30 s
Voltage (Max)	108 V
Voltage (Min)	95 V
Voltage (Nom)	100 V

Controls and Dimming

Dimmable	no
Run-up time 90% (max.)	3 min

Mechanical and Housing

Bulb finish	Clear
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Approval and Application

Energy efficiency label (EEL)	A
Mercury (Hg) content (nom.)	2.4 mg
Energy Consumption kWh/1000 h	24 kWh

UV

PET (NIOSH) (min.)	8 h/500lx
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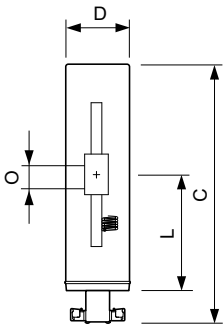
MASTERColour CDM-Tm Mini PGJ5

Damage factor D/fc (max.)	0.5
Luminaire Design Requirements	
Bulb temperature (max.)	380 °C
Cap base temperature (max.)	250 °C
Product Data	
Full product code	871150020751715
Order product name	MASTERColour CDM-Tm Mini 20W/830 PGJ5 1CT/12

EAN/UPC – product	8711500207517
Order code	20751715
Local Code	20CDMTM830
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928087905130
Net weight (piece)	0.005 kg
ILCOS Code	MT/UB-20/830-H/L-PGJ5-13.3/52

Warnings and Safety

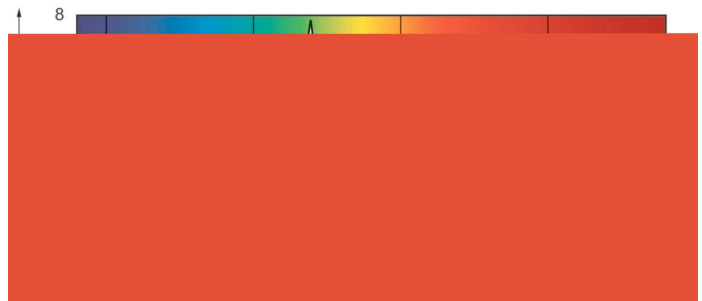
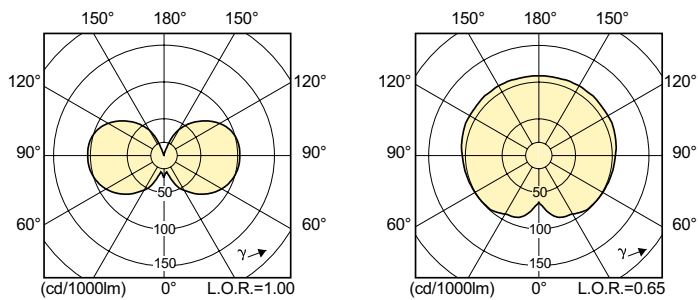
Dimensional drawing



CDM-Tm 20W/830 PGJ5

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

Photometric data



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Lifetime

