PHILIPS Lighting

MasterColor CDM-TM

CDM20/TM/830 12PK

Introducing the smallest 20W ceramic metal halide lamp together with the unique e-Vision® electronic ballast. It's visually pleasing and financially rewarding, so the focus can be on your merchandise and not the ceiling clutter.

Product data

General Information

Base	PGJ5 [PGJ5]
Operating Position	Universal [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

|	
Color Code	830 [CCT of 3000K]
Luminous Flux (Rated) (Nom)	1600 lm
Color Designation	Warm White (WW)
Lumen Maintenance 1000 h (Nom)	80 %
Lumen Maintenance 10000 h (Nom)	60 %
Lumen Maintenance 2000 h (Nom)	75 %
Lumen Maintenance 5000 h (Nom)	65 %
Chromaticity Coordinate X (Nom)	0.433
Chromaticity Coordinate Y (Nom)	0.392
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	72 lm/W
Color Rendering Index (Min)	84
Color Rendering Index (Nom)	87

Operating and Electrical

Power (Rated) (Nom)	22.1 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

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

MasterColor CDM-TM

Damage Factor D/fc (Max)	0.5		**Order code**	140400
			Numerator – Quantity Per Pack	1
Luminaire Design Requirements			**Numerator – Packs per outer box**	12
Bulb Temperature (Max)	380 °C		**Material Nr. (12NC)**	928087905115
Cap–Base Temperature (Max)	250 °C		**Net Weight (Piece)**	0.005 kg
			ILCOS Code	MT/UB-20/830-H/L-PGJ5-13.3/52
Product Data				
Order product name	CDM20/TM/830 12PK			
EAN/UPC – Product	046677140403			

Dimensional drawing
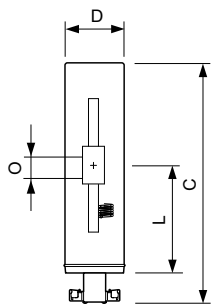
CDM-Tm 20W/830 PGJ5

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
CDM20/TM/830 12PK	13.2 mm	0.44 in	3 mm	22.3 mm	22.9 mm	22.6 mm	52 mm

Photometric data
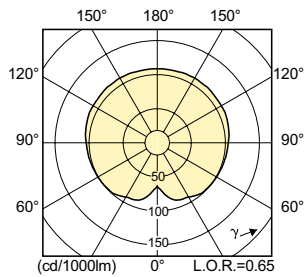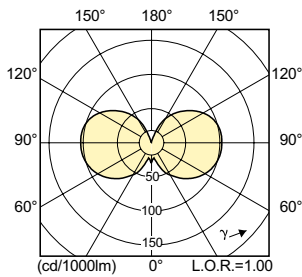
MasterColor CDM-TM

Lifetime

% 100

www.lighting.philips.com

2020, June 1 – data subject to change