



MASTERColour CDM-Tm Elite Mini



MASTERColour CDM-Tm Elite Mini 20W/830 GU6.5 1CT

Mini, single-ended, very high-efficiency, long-life Ceramic Metal Halide discharge lamp producing crisp white sparkling light with high color rendering

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
- For 50W use with Philips electronic gear only
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- 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.

Product data

General information	
Cap-Base	GU6.5 [GU6.5]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life to 5% Failures (Nom)	12000 h
Life To 10% Failures (Nom)	14000 h
Life to 20% Failures (Nom)	16000 h
Life to 50% Failures (Nom)	20000 h
ANSI Code HID	C156/E
Flux measurement reference	Sphere

Light technical	
Color Code	830 [CCT of 3000K]
Luminous Flux (Nom)	1800 lm
Luminous Flux (Rated) (Min)	1620 lm
Luminous Flux (Rated) (Nom)	1800 lm
Color Designation	Warm White (WW)
Lumen Maintenance 1000 h (Nom)	91 %
Lumen Maintenance 12000 h (Nom)	77 %
Lumen Maintenance 10000 h (Nom)	78 %
Lumen Maintenance 2000 h (Nom)	87 %
Lumen Maintenance 4000 h (Nom)	84 %

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Lumen Maintenance 5000 h (Nom)	83 %
Chromaticity Coordinate X (Nom)	0.434
Chromaticity Coordinate Y (Nom)	0.398
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	90 lm/W
Color Rendering Index (Min)	81
Color Rendering Index (Nom)	84

Operating and electrical

Power (Nom)	20.1 W
Lamp Current Run-Up (Max)	0.5 A
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	100 V
Voltage (Min)	90 V
Voltage (Nom)	95 V

Controls and dimming

Dimmable	No
Run-Up Time 90% (Max)	3 min

Mechanical and housing

Bulb Finish	Clear
Bulb Shape	T-4

Approval and application

Energy Efficiency Class	G
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Mercury (Hg) Content (Max)	3.5 mg
Mercury (Hg) Content (Nom)	3.5 mg
Energy Consumption kWh/1000 h	21 kWh
EPREL Registration Number	473256

UV

Pet (Niosh) (Min)	8 h/500lx
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	872790089083900
Order product name	MASTERCcolour CDM-Tm Elite Mini 20W/830 GU6.5 1CT
EAN/UPC - Product	8727900890839
Order code	928183505130
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928183505130
Net Weight (Piece)	0.007 kg
ILCOS Code	MT/UB-20/830-H-GU6.5-13.3/52

Dimensional drawing

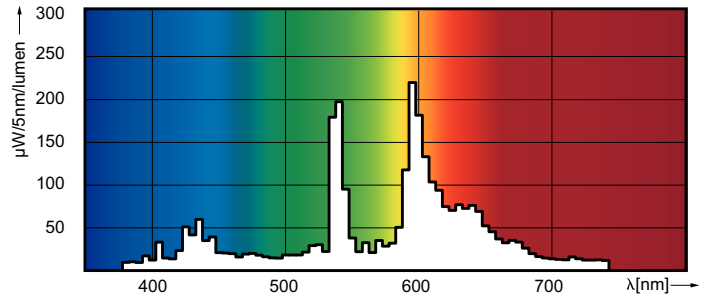
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Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERCcolour CDM-Tm Elite Mini 20W/830	13.3 mm	0.5 in	3.4	28 mm	32 mm	30	56.7 mm
GU6.5 1CT			mm			mm	

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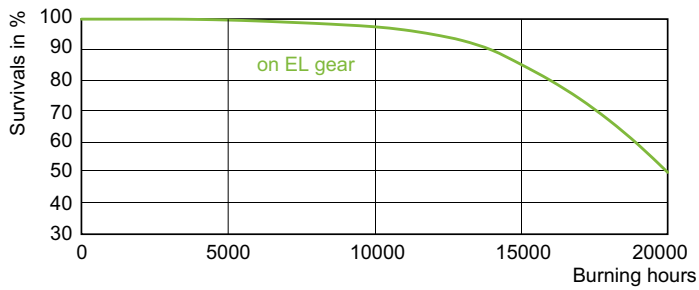
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Photometric data



LDPO_CDM-Tm_20W_830_GU65-Spectral power distribution Colour

Lifetime



LDLE_CDM-T-E_0006-Life expectancy diagram

