



MASTERCcolour CDM-Tm Elite Mini



MASTERCcolour 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 colour 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)

Product data

General Information		Light Technical	
Cap base	GU6.5 [GU6.5]	Luminous flux (rated) (nom.)	1800 lm
Operating position	UNIVERSAL [Any/Universal]	Colour designation	Warm white (WW)
Life to 5% failures (nom.)	12000 h	Lumen maintenance 1,000 hours (nom.)	91 %
Life to 10% failures (nom.)	14000 h	Lumen maintenance 12,000 hours (nom.)	77 %
Life to 20% failures (nom.)	16000 h	Lumen maintenance 10,000 hours (nom.)	78 %
Life to 50% failures (nom.)	20000 h	Lumen maintenance 2,000 hours (nom.)	87 %
ANSI code HID	C156/E	Lumen maintenance 4,000 hours (nom.)	84 %
	Sphere	Lumen maintenance 5,000 hours (nom.)	83 %
		Chromaticity coordinate X (nom.)	0.434
		Chromaticity coordinate Y (nom.)	0.398
		Correlated Colour Temperature (Nom)	3000 K
		Luminous efficacy (rated) (nom.)	90 lm/W
		Colour-rendering index (min.)	81

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Colour rendering index (nom.)	84
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Operating and Electrical

Power (Rated) (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

Lamp Finish	Clear
Bulb shape	T-4

Approval and Application

Energy Efficiency Class	G
Mercury (Hg) content (max.)	3.5 mg
Mercury (Hg) content (nom.)	3.5 mg
Energy consumption kWh/1,000 hours	21 kWh

Dimensional drawing

D

CDM-Tm 20W/830 GU6.5

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

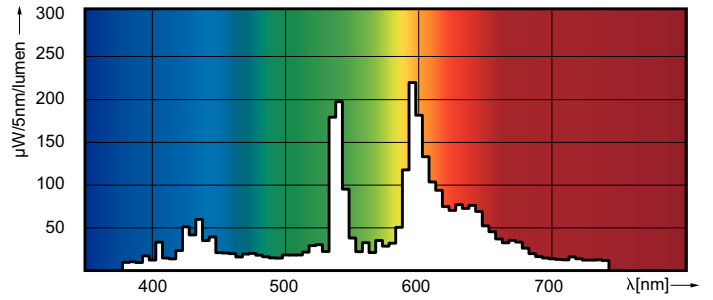
Product Data

Full product code	872790089083900
Order product name	MASTERColour CDM-Tm Elite Mini 20W/830 GU6.5 ICT
EAN/UPC – product	8727900890839
Order code	89083900
Local order code	20CDMTM830GU6.5
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928183505130
SAP net weight (piece)	0.007 kg
ILCOS code	MT/UB-20/830-H-GU6.5-13.3/52

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

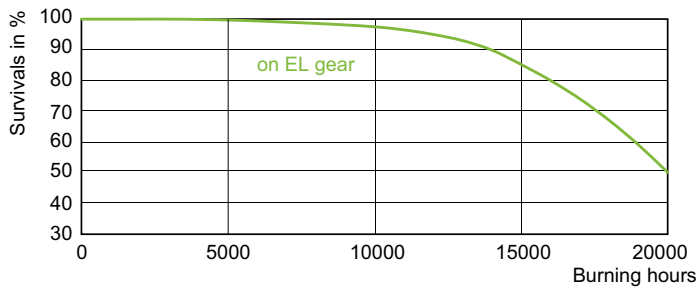
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Photometric data



LDPO_CDM-Tm_20W_830_GU65-Spectral power distribution Colour

Lifetime



LDLE_CDM-T-E_0006-Life expectancy diagram

