



MASTERColour CDM-T Elite



MASTERColour CDM-T Elite 20W/830 G12.1CT/12

Single-ended, high-efficiency Ceramic Metal Halide discharge lamp

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. 35W & 70W lamps may also use electromagnetic gear.
- 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		Colour designation	
Cap base	G12 [G12]	Warm white (WW)	
Operating position	UNIVERSAL [Any/Universal]	Lumen maintenance 12,000 hours (nom.)	77 %
Life to 5% failures (nom.)	12000 h	Lumen maintenance 10,000 hours (nom.)	78 %
Life to 10% failures (nom.)	14000 h	Lumen maintenance 2,000 hours (nom.)	87 %
Life to 20% failures (nom.)	16000 h	Lumen maintenance 5,000 hours (nom.)	83 %
Life to 50% failures (nom.)	20000 h	Chromaticity coordinate X (nom.)	0.434
ANSI code HID	C156/E	Chromaticity coordinate Y (nom.)	0.398
	Sphere	Correlated Colour Temperature (Nom)	3000 K
		Luminous efficacy (rated) (nom.)	90 lm/W
		Colour rendering index (nom.)	84
Light Technical		Operating and Electrical	
Colour Code	830 [CCT of 3,000 K]	Power (Rated) (Min)	20.0 W
Luminous flux (nom.)	1800 lm	Power (Rated) (Nom)	20.1 W
Luminous flux (rated) (min.)	1620 lm	Lamp current run-up (max.)	0.5 A
Luminous flux (rated) (nom.)	1800 lm		

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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

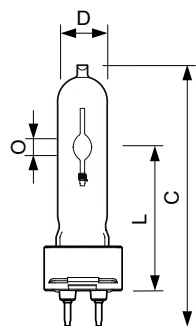
Mechanical and Housing

Lamp Finish	Clear
Bulb shape	T19 [T 19mm]

Approval and Application

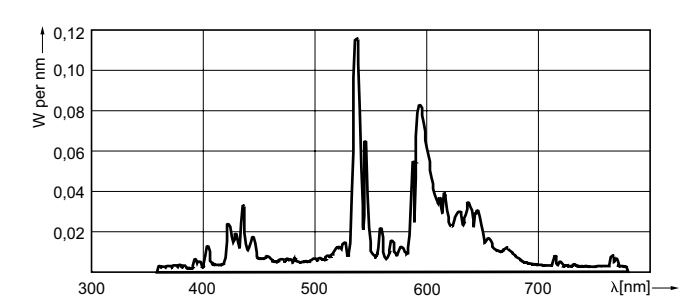
Energy Efficiency Class	G
Mercury (Hg) content (max.)	3.5 mg
Mercury (Hg) content (nom.)	3.5 mg
Energy consumption kWh/1,000 hours	21 kWh
	473252

Dimensional drawing



CDM-T Elite 20W/830 G12

Photometric data



LDPB_CDM-T_20W_830-Spectral power distribution B/W

UV	
PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.4

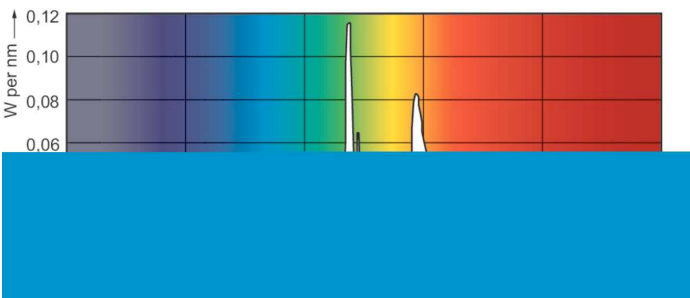
Luminaire Design Requirements

Bulb temperature (max.)	250 °C
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Product Data

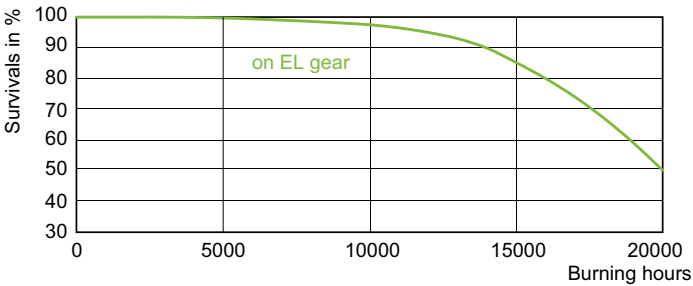
Full product code	872790087156200
Order product name	MASTERColour CDM-T Elite 20W/830 G12 1CT/12
EAN/UPC – product	8727900871562
Order code	87156200
Local order code	20CDMT830+
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928183305125
SAP net weight (piece)	27.000 g
ILCOS code	MT/UB-20/830-H-G12-20/90

Product	D (max)	D O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T Elite 20W/830 G12 1CT/12	20 mm	4 mm	55 mm	57 mm	56 mm	103 mm

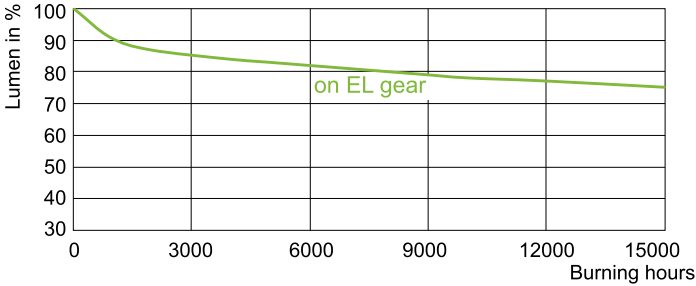


MASTERC colour CDM-T Elite

Lifetime



LDLE_CDM-T-E_0006-Life expectancy diagram



LDLM_CDM-T_20W_830-Lumen maintenance diagram

