



MASTERColour CDM-T Elite

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

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

Product data

General Information		Color rendering index (nom.)	
Cap base	G12 [G12]		84
Operating position	UNIVERSAL [Any/Universal]	Operating and Electrical	
Life to 5% failures (nom.)	12000 h	Power (Rated) (Min)	20.0 W
Life to 10% failures (nom.)	14000 h	Power (Rated) (Nom)	20.0 W
Life to 20% failures (nom.)	16000 h	Lamp current run-up (max.)	0.5 A
Life to 50% failures (nom.)	20000 h	Re-ignition time (min.) (max.)	15 min
ANSI code HID	C156/E	Ignition time (max.)	30 s
Light Technical		Voltage (Max)	100 V
Colour code	830 [CCT of 3,000 K]	Voltage (Min)	90 V
Luminous flux (rated) (min.)	1620 lm	Voltage (Nom)	95 V
Luminous flux (rated) (nom.)	1800 lm	Controls and Dimming	
Colour designation	Warm white (WW)	Dimmable	no
Lumen maintenance 12,000 hours (nom.)	77 %	Run-up time 90% (max.)	3 min
Lumen maintenance 10,000 hours (nom.)	78 %	Mechanical and Housing	
Lumen maintenance 2,000 hours (nom.)	87 %	Bulb finish	Clear
Lumen maintenance 5,000 hours (nom.)	83 %	Approval and Application	
Chromaticity coordinate X (nom.)	0.434	Energy efficiency label (EEL)	A+
Chromaticity coordinate Y (nom.)	0.391	Mercury (Hg) content (nom.)	3.5 mg
Correlated colour temperature (nom.)	3000 K		
Luminous efficacy (rated) (nom.)	90 lm/W		

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Energy Consumption kWh/1000 h	22 kWh
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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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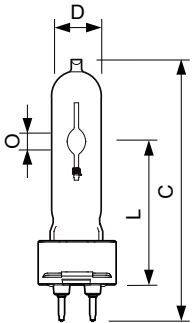
Product Data

Full product code	872790087156200
Order product name	MASTERCLOUR CDM-T Elite 20W/830 G12 1CT/12

EAN/UPC – product	8727900871562
Order code	87156200
Local Code	20CDMT830+
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928183305125
Net weight (piece)	27.000 g
ILCOS Code	MT/UB-20/830-H-G12-20/90

Warnings and Safety

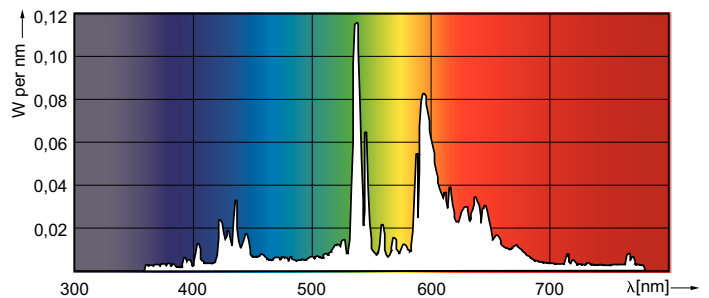
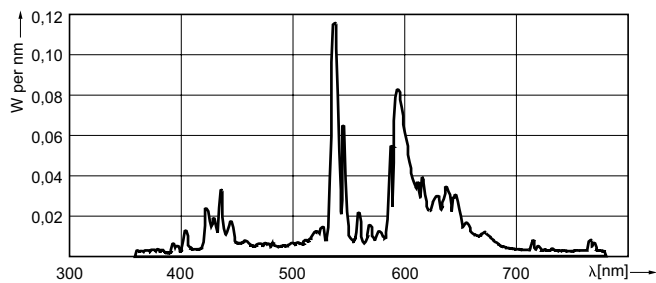
Dimensional drawing



CDM-T Elite 20W/830 G12

Product
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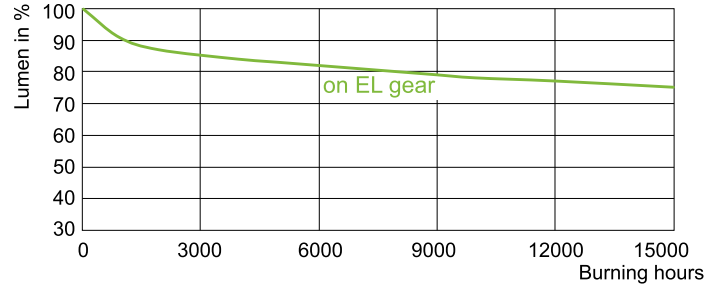
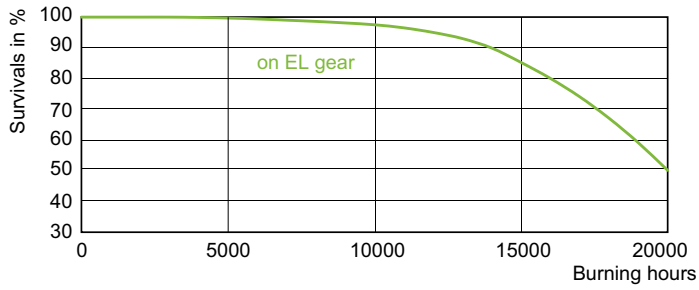
Photometric data



LDPB_CDM-T_20W_830-Spectral power distribution B/W

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Lifetime



LDLE_CDM-T-E_0006-Life expectancy diagram

LDLM_CDM-T_20W_830-Lumen maintenance diagram

