



# MASTERColour CDM-T Elite



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

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. 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			
Cap-Base	G12 [ G12]	Luminous Flux (Rated) (Nom)	1800 lm
Operating Position	UNIVERSAL [ Any or Universal (U)]	Color Designation	Warm White (WW)
Life to 5% Failures (Nom)	12000 h	Lumen Maintenance 12000 h (Nom)	77 %
Life To 10% Failures (Nom)	14000 h	Lumen Maintenance 10000 h (Nom)	78 %
Life to 20% Failures (Nom)	16000 h	Lumen Maintenance 2000 h (Nom)	87 %
Life to 50% Failures (Nom)	20000 h	Lumen Maintenance 5000 h (Nom)	83 %
ANSI Code HID	C156/E	Chromaticity Coordinate X (Nom)	0.434
Flux measurement reference	Sphere	Chromaticity Coordinate Y (Nom)	0.398
		Correlated Color Temperature (Nom)	3000 K
		Luminous Efficacy (rated) (Nom)	90 lm/W
		Color Rendering Index (Nom)	84
Light technical		Operating and electrical	
Color Code	830 [ CCT of 3000K]	Power (Rated) (Min)	20.0 W
Luminous Flux (Nom)	1800 lm		
Luminous Flux (Rated) (Min)	1620 lm		

# MASTERCcolour CDM-T Elite

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	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/1000 h	21 kWh

EPREL Registration Number	473252
---------------------------	--------

## UV

Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.4

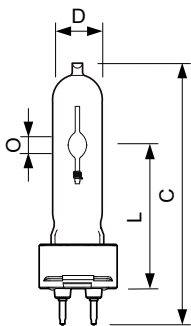
## Luminaire design requirements

Bulb Temperature (Max)	250 °C
------------------------	--------

## Product data

Full product code	872790087156200
Order product name	MASTERCcolour CDM-T Elite 20W/830 G12 1CT/12
EAN/UPC - Product	8727900871562
Order code	928183305125
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928183305125
Net Weight (Piece)	27.000 g
ILCOS Code	MT/UB-20/830-H-G12-20/90

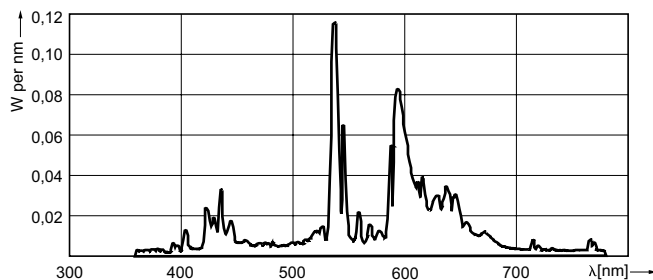
## Dimensional drawing



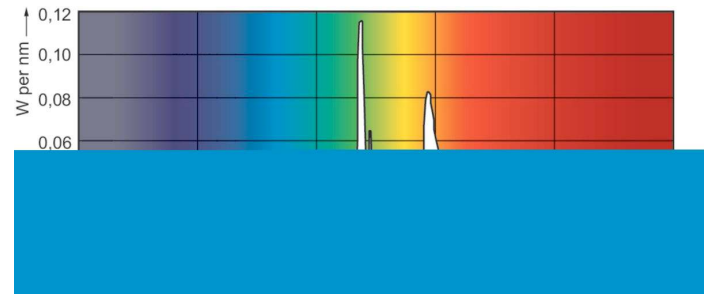
MASTERColour CDM-T Elite 20W/830 G12 1CT/12

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

## Photometric data

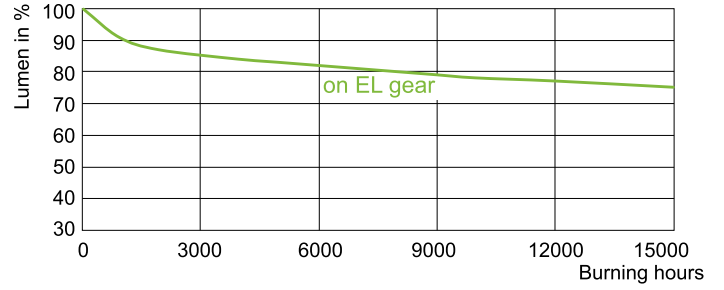
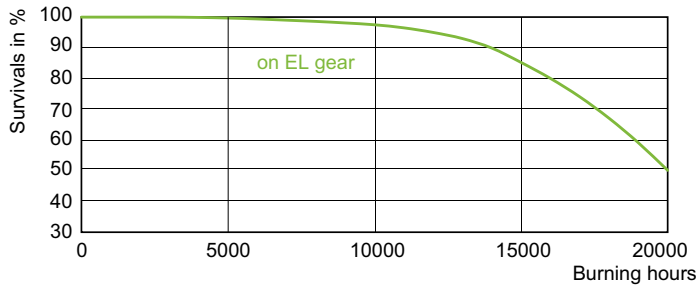


LDPB\_CDM-T\_20W\_830-Spectral power distribution B/W



# MASTERCcolour CDM-T Elite

## Lifetime



LDLE\_CDM-T-E\_0006-Life expectancy diagram

LDLM\_CDM-T\_20W\_830-Lumen maintenance diagram

