![PHILIPS Lighting]

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]
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

Light Technical

Color Code	830 [CCT of 3000K]
Luminous Flux (Rated) (Min)	1620 lm
Luminous Flux (Rated) (Nom)	1800 lm
Color Designation	Warm White (WW)

Lumen Maintenance 12000 h (Nom)	77 %
Lumen Maintenance 10000 h (Nom)	78 %
Lumen Maintenance 2000 h (Nom)	87 %
Lumen Maintenance 5000 h (Nom)	83 %
Chromaticity Coordinate X (Nom)	0.434
Chromaticity Coordinate Y (Nom)	0.391
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	90 lm/W
Color Rendering Index (Nom)	84

Operating and Electrical

Power (Rated) (Min)	20.0 W
Power (Nom)	20.1 W
Lamp Current Run-Up (Max)	0.5 A

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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

Bulb Finish	Clear

Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	3.5 mg
Energy Consumption kWh/1000 h	22 kWh

UV

Pet (Niosh) (Min)	8 h/500lx

Damage Factor D/fc (Max)	0.4

Luminaire Design Requirements

Bulb Temperature (Max)	250 ℃

Product Data

|	
Full product code	872790087156200
Order product name	MASTERColour 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
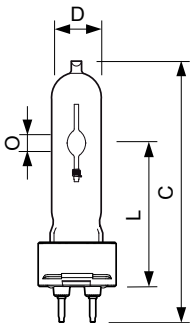
CDM-T Elite 20W/830 G12

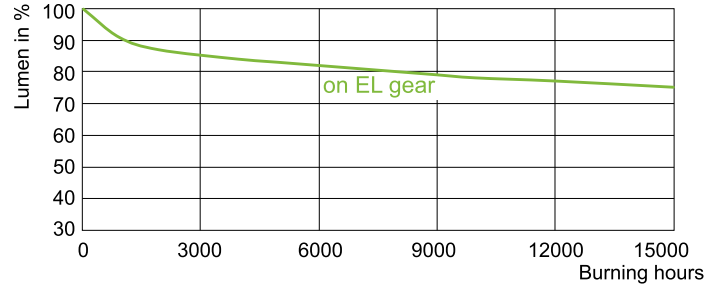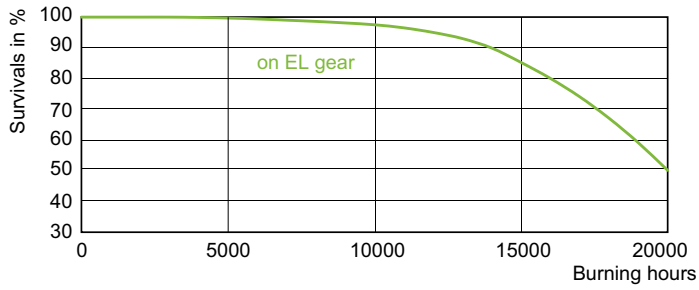| Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T Elite 20W/830 G12 1CT/12	20 mm		4 mm	55 mm	57 mm	56 mm	103 mm

Photometric data
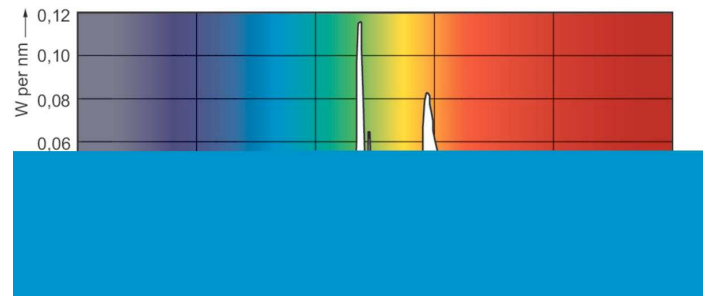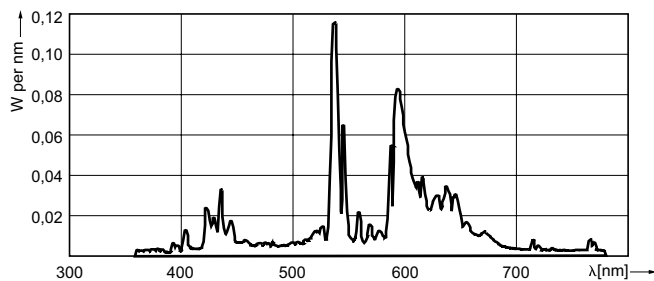
LDPB_CDM-T_20W_830-Spectral power distribution B/W

Lifetime

LDLE_CDM-T-E_0006-Life expectancy diagram

LDLM_CDM-T_20W_830-Lumen maintenance diagram