

PHILIPS

Lighting



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	
Cap base	G12 [G12]
Operating position	UNIVERSAL [Any/Universal]
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	
Colour code	830 [CCT of 3,000 K]
Luminous flux (rated) (min.)	1620 lm
Luminous flux (rated) (nom.)	1800 lm
Colour designation	Warm white (WW)
Lumen maintenance 12,000 hours (nom.)	77 %
Lumen maintenance 10,000 hours (nom.)	78 %
Lumen maintenance 2,000 hours (nom.)	87 %
Lumen maintenance 5,000 hours (nom.)	83 %
Chromaticity coordinate X (nom.)	0.434
Chromaticity coordinate Y (nom.)	0.391
Correlated colour 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 (Rated) (Nom)	20.0 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

Approval and Application	
Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	3.5 mg

MASTERCcolour CDM-T Elite

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 °C
-------------------------	--------

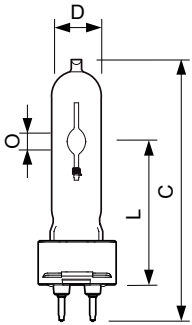
Product Data

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

EAN/UPC – product	8727900871562
Order code	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

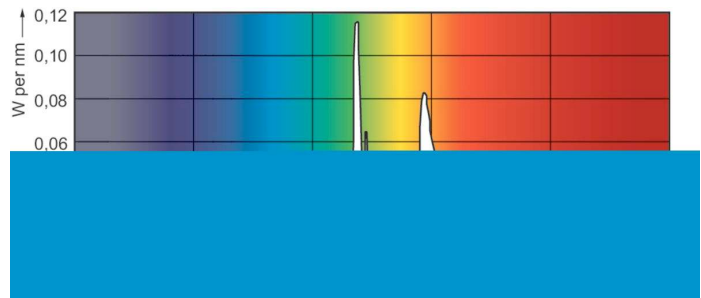
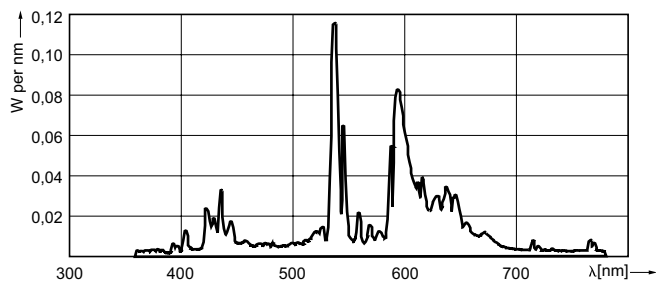
Dimensional drawing



CDM-T Elite 20W/830 G12

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

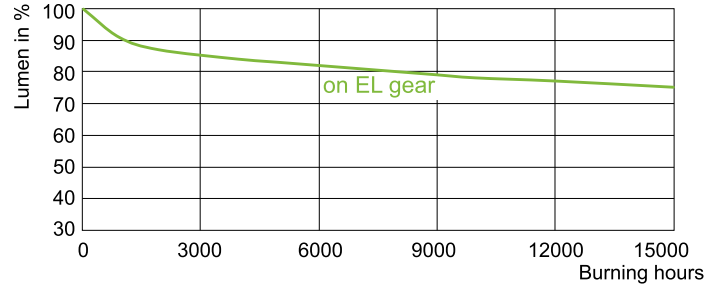
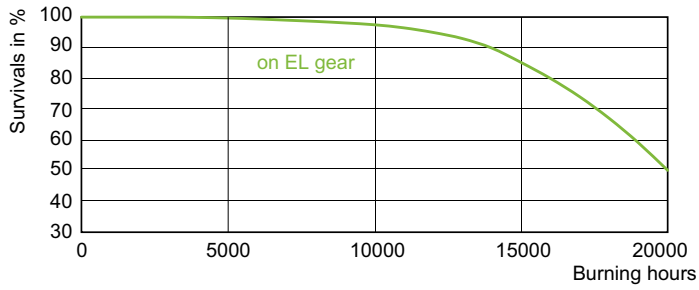
Photometric data



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

