

PHILIPS

Lighting



MASTERColour CDM-TC Elite

MASTERColour CDM-TC Elite 50W/942 G8.5 1CT

Compact, single-ended, very high-efficiency, long-life ceramic metal-halide discharge lamp producing crisp white sparkling light with high color rendering

Product data

General Information	
Cap-Base	G8.5 [G8.5]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life to 5% Failures (Nom)	9000 h
Life To 10% Failures (Nom)	10000 h
Life to 20% Failures (Nom)	12000 h
Life to 50% Failures (Nom)	15000 h
ANSI Code HID	-

Light Technical	
Color Code	942 [CCT of 4200K]
Luminous Flux (Rated) (Nom)	5100 lm
Color Designation	Cool White (CW)
Lumen Maintenance 12000 h (Nom)	84 %
Lumen Maintenance 10000 h (Nom)	85 %
Lumen Maintenance 2000 h (Nom)	92 %
Lumen Maintenance 5000 h (Nom)	89 %
Chromaticity Coordinate X (Nom)	0.367
Chromaticity Coordinate Y (Nom)	0.362
Correlated Color Temperature (Nom)	4200 K
Luminous Efficacy (rated) (Nom)	102 lm/W
Color Rendering Index (Min)	87

Color Rendering Index (Nom)	
Color Rendering Index (Nom)	90

Operating and Electrical	
Power (Nom)	50.0 W
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	99 V
Voltage (Min)	87 V
Voltage (Nom)	93 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)	5.7 mg
Energy Consumption kWh/1000 h	55 kWh

MASTERCLOUR CDM-TC Elite

UV

Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.5

Luminaire Design Requirements

Bulb Temperature (Max)	550 °C
Pinch Temperature (Max)	350 °C

Product Data

Full product code	871829120163200
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Order product name	MASTERCLOUR CDM-TC Elite 50W/942 G8.5 ICT
EAN/UPC - Product	8718291201632
Order code	928080115131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928080115131
Net Weight (Piece)	10.000 g
ILCOS Code	MT/UB-50/942-H-G8.5-17/85

Warnings and Safety

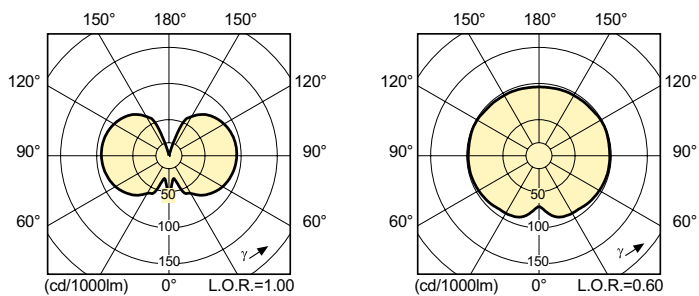
Dimensional drawing

D

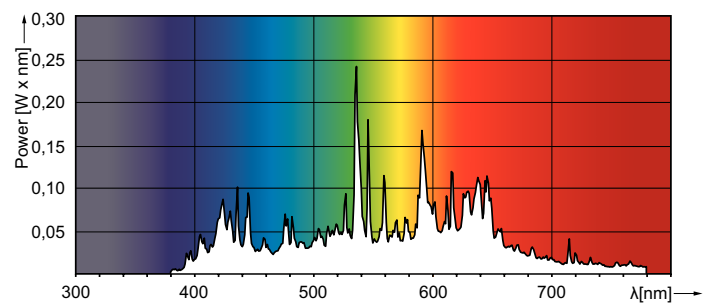
Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERCLOUR CDM-TC Elite 50W/942 G8.5 ICT	15 mm	7.1 mm	51 mm	53 mm	52 mm	85 mm

CDM-TC Elite 50W/942 G8.5

Photometric data



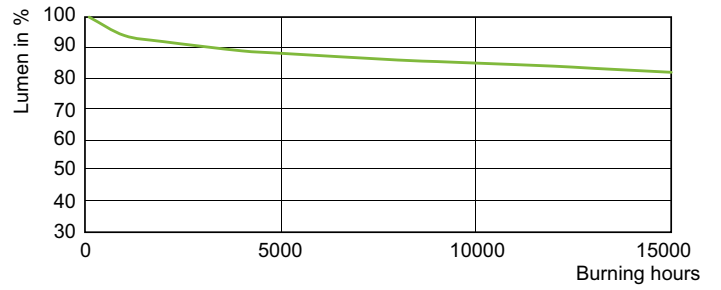
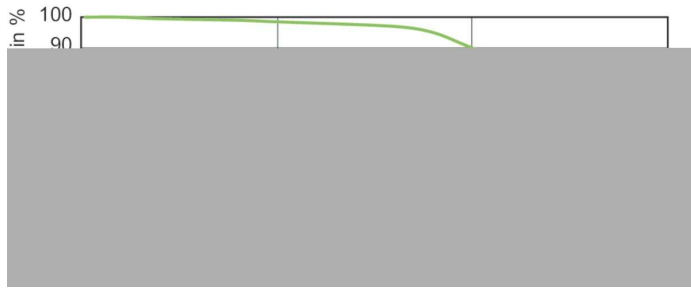
LDLD_CDMTC-E_0007-Light distribution diagram



LDPO_CDMTC-E_0007-Spectral power distribution Colour

MASTERCcolour CDM-TC Elite

Lifetime



LDLM_CDMTC-E_0008-Lumen maintenance diagram

