MASTERColour CDM-TC Elite

MASTERColour CDM-TC Elite 70W/930 G8.5 1CT/12

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)	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	C139/E

Light Technical

Color Code	930 [CCT of 3000K]
Luminous Flux (Rated) (Nom)	7800 lm
Color Designation	Warm White (WW)
Lumen Maintenance 12000 h (Nom)	82 %
Lumen Maintenance 10000 h (Nom)	83 %
Lumen Maintenance 2000 h (Nom)	95 %
Lumen Maintenance 5000 h (Nom)	88 %
Chromaticity Coordinate X (Nom)	0.435
Chromaticity Coordinate Y (Nom)	0.396
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	107 lm/W

Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90

Operating and Electrical

Power (Nom)	73.0 W
Lamp Current Run-Up (Max)	2 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	5000 V
Ignition Supply Voltage (Min)	198 V
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	90 V
Voltage (Min)	80 V
Voltage (Nom)	85 V

Controls and Dimming

Dimmable	No
Run-Up Time 90% (Max)	3 min
Run-Up Time 90% (Nom)	1.5 min

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Mechanical and Housing

Bulb Finish	Clear

Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	6.6 mg
Energy Consumption kWh/1000 h	80 kWh

UV

Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.3

Luminaire Design Requirements

Bulb Temperature (Max)	550 ℃
Pinch Temperature (Max)	350 ℃

Product Data

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Full product code	872790091153400
Order product name	MASTERColour CDM-TC Elite 70W/930 G8.5 1CT/12
EAN/UPC – Product	8727900911534
Order code	928189505131
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	12
Material Nr. (12NC)	928189505131
Net Weight (Piece)	0.010 kg
ILCOS Code	MT/UB-70/930-H-G8.5-17/85

Warnings and Safety

Dimensional drawing

D

Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-TC Elite 70W/930 G8.5 1CT/12	15 mm	7.15 mm	51 mm	53 mm	52 mm	85 mm

CDM-TC Elite 70W/930 G8.5

Photometric data
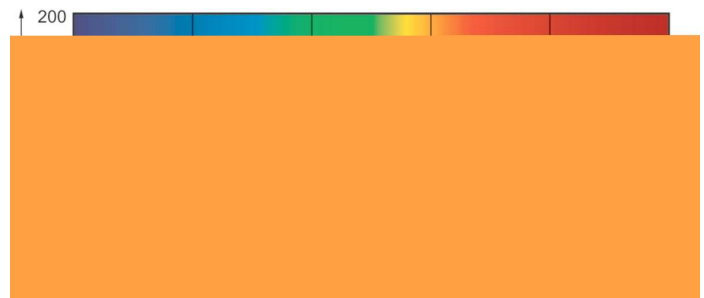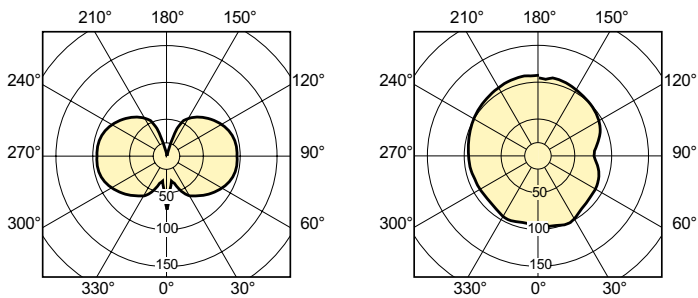
MASTERColour CDM-TC Elite

Lifetime

on EL gear

Survivals in %

Burning hours
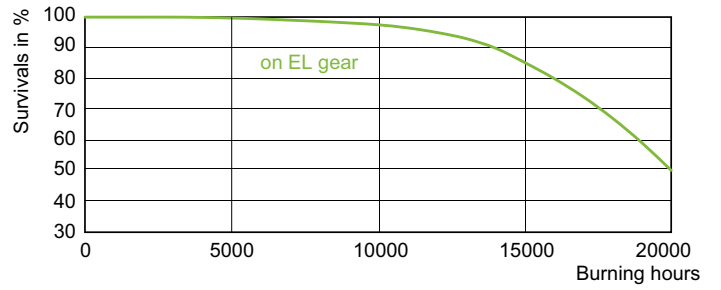
LDLE_CDMTC-E_0002-Life expectancy diagram