



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

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
- 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		Color Designation	
Cap-Base	G8.5 [G8.5]	Color Designation	Warm White (WW)
Operating Position	UNIVERSAL [Any or Universal (U)]	Lumen Maintenance 12000 h (Nom)	82 %
Life to 5% Failures (Nom)	12000 h	Lumen Maintenance 10000 h (Nom)	83 %
Life To 10% Failures (Nom)	14000 h	Lumen Maintenance 2000 h (Nom)	95 %
Life to 20% Failures (Nom)	16000 h	Lumen Maintenance 5000 h (Nom)	88 %
Life to 50% Failures (Nom)	20000 h	Chromaticity Coordinate X (Nom)	0.435
ANSI Code HID	C139/E	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
Light Technical			
Color Code	930 [CCT of 3000K]		
Luminous Flux (Rated) (Nom)	7800 lm		

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Operating and Electrical	
Power (Nom)	73.2 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

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

Luminaire Design Requirements	
Bulb Temperature (Max)	550 °C
Pinch Temperature (Max)	350 °C

Product Data	
Full product code	872790091153400
Order product name	MASTERCcolour 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

Dimensional drawing

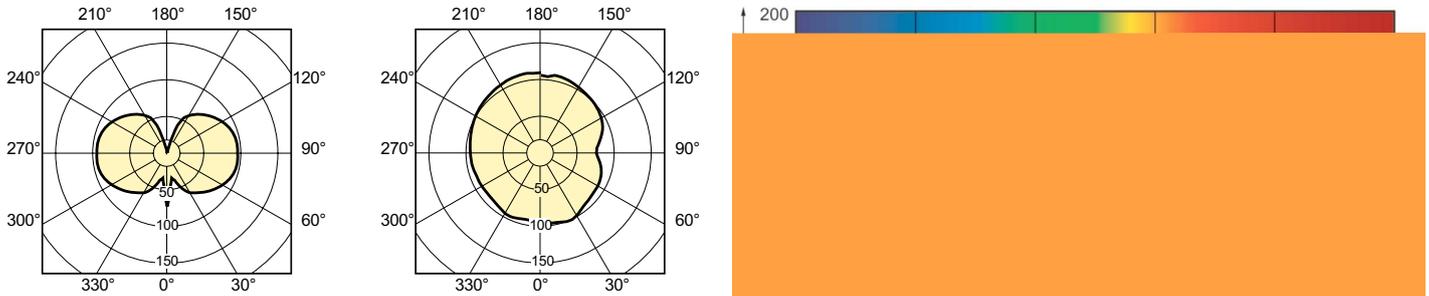
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Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERCcolour CDM-TC	15 mm	7.15	51 mm	53 mm	52 mm	85 mm
Elite 70W/930 G8.5 1CT/12		mm				

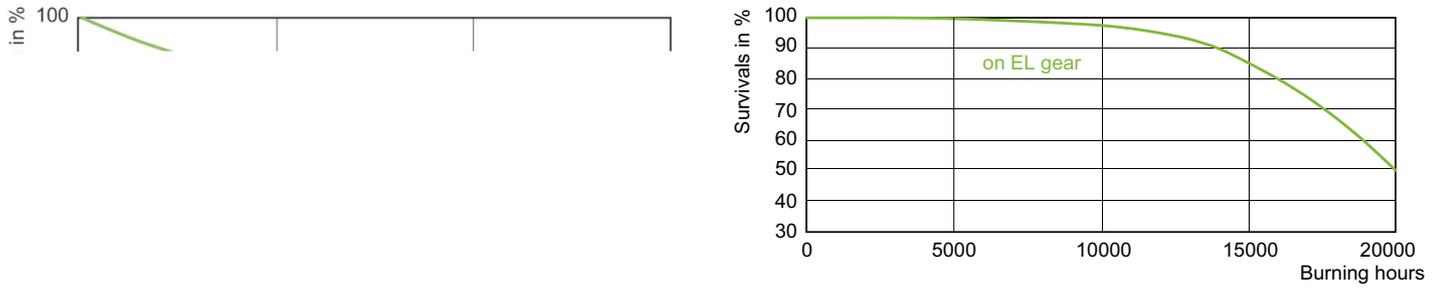
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Photometric data



Lifetime



LDLE_CDMTC-E_0002-Life expectancy diagram

