

MASTERColour CDM-TC Evolution

MASTERColour CDM-TC Evolution 70W/930 G8.5

Single-ended, highest-efficiency, longest-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	VBU/VBD60 [Vertical or Base Up/ Base Down +/-60D]
Life To 5% Failures (Nom)	13000 h
Life To 10% Failures (Nom)	15000 h
Life To 20% Failures (Nom)	17000 h
Life To 50% Failures (Nom)	20000 h
ANSI Code HID	-

• Light Technical

Color Code	930 [CCT of 3000K]
Luminous Flux (Rated) (Nom)	8800 lm
Color Designation	Warm White (WW)
Lumen Maintenance 1000 h (Nom)	96 %
Lumen Maintenance 12000 h (Nom)	88 %
Lumen Maintenance 2000 h (Nom)	93 %
Lumen Maintenance 4000 h (Nom)	92 %
Chromaticity Coordinate X (Nom)	0.43
Chromaticity Coordinate Y (Nom)	0.388
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	120 lm/W
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90

• Operating and Electrical

Power (Rated) (Nom)	73.0 W
Lamp Current Run-Up (Max)	2 A
Ignition Peak Voltage (Max)	5000 V
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	102 V
Voltage (Min)	92 V
Voltage (Nom)	97 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+

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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

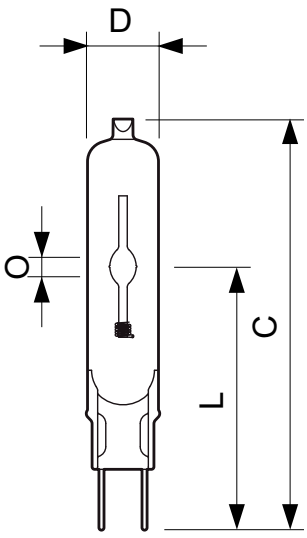
• Luminaire Design Requirements

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

Warnings and Safety

- Use only in a totally enclosed luminaire, even during testing (IEC61167, IEC62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Use only with electronic control gear
- The vast majority of drivers are fully compatible with CDM Evolution lamps. However, best performance is guaranteed with Philips drivers.

Dimensional drawing



CDM-TC Evolution G8.5

CDMTC Evol 70W/930 G8.5

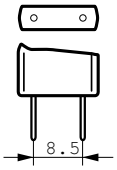
Product	D	O	L	L	L	C
MASTERColour CDM-TC Evolution 70W/930 G8.5	15 mm	9 mm	51 mm	53 mm	52 mm	85 mm

• Product Data

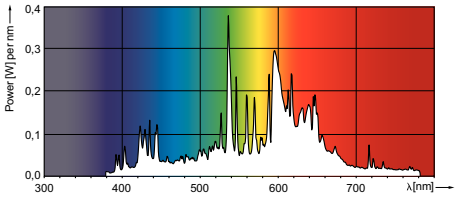
Full product code	871829171372200
Order product name	MASTERColour CDM-TC Evolution 70W/930 G8.5
EAN/UPC - Product	8718291713722
Order code	928061605131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928061605131
Net Weight (Piece)	9.000 g

- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- CDM Evolution lamps are designed to comply with IEC standards
- 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.

Dimensional drawing



Photometric data



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