

MASTERColour CDM-TC Evolution

MASTERColour CDM-TC Evolution 20W/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	UNIVERSAL [Any or Universal (U)]
Life to 5% Failures (Nom)	16000 h
Life to 10% Failures (Nom)	18000 h
Life to 20% Failures (Nom)	20000 h
Life to 50% Failures (Nom)	25000 h
ANSI Code HID	C156/E

Light Technical	
Color Code	930 [CCT of 3000K]
Luminous Flux (Rated) (Nom)	2050 lm
Color Designation	Warm White (WW)
Lumen Maintenance 1000 h (Nom)	96 %
Lumen Maintenance 12000 h (Nom)	81 %
Lumen Maintenance 2000 h (Nom)	93 %
Lumen Maintenance 20000 h	77 %
Lumen Maintenance 4000 h (Nom)	89 %
Chromaticity Coordinate X (Nom)	0.43
Chromaticity Coordinate Y (Nom)	0.393
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (Rated) (Nom)	102 lm/W
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90

Operating and Electrical	
Power (Rated) (Nom)	20 W
Lamp Current Run-Up (Max)	0.5 A
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	110 V
Voltage (Min)	100 V
Voltage (Nom)	105 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)	3.0 mg

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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)	320 °C
Pinch Temperature (Max)	300 °C

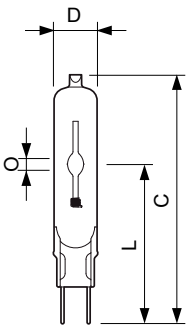
Product Data	
Full product code	871829165920400

Order product name	MASTERColour CDM-TC Evolution 20W/930 G8.5
EAN/UPC - Product	8718291659204
Order code	928064805131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928064805131
Net Weight (Piece)	0.009 kg
ILCOS Code	MT/UB-20/930-H-G8.5-17/85

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.
- 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

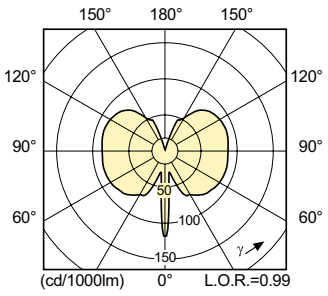


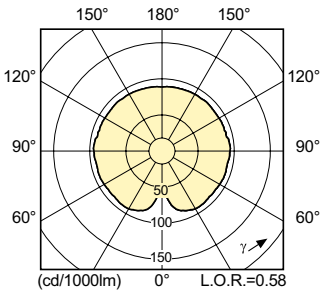
CDMTC Evol 20W/930 G8.5

Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-TC Evolution 20W/930 G8.5	15 mm	3.6 mm	51 mm	53 mm	52 mm	85 mm

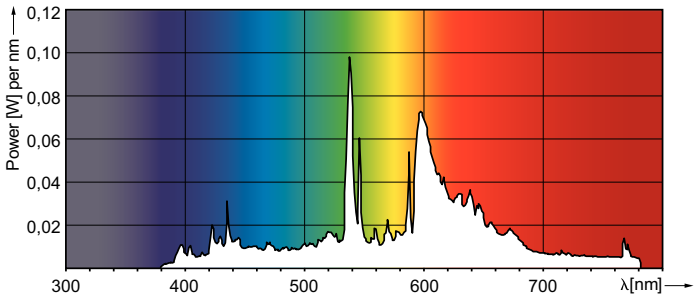
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Photometric data



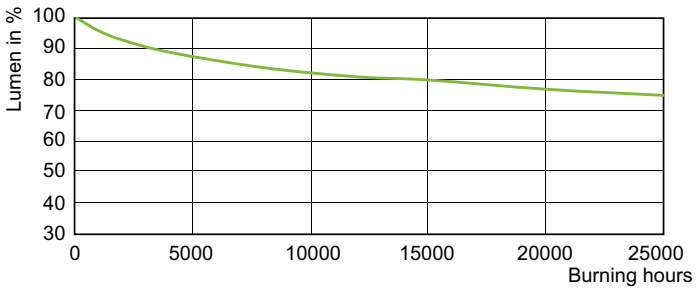


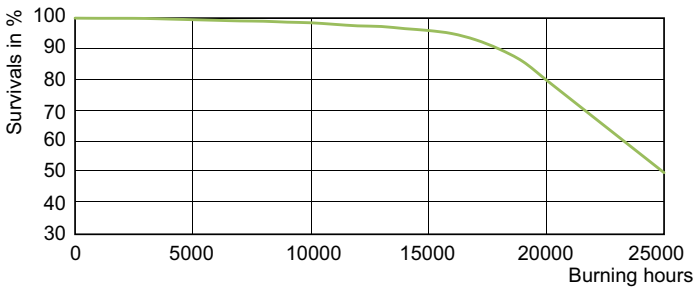
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Lifetime





CDM-TC Evolution 20W Life Expectancy /930

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