

MASTERColour CDM-T Evolution

MASTERColour CDM-T Evolution 50W/930 G12

Single-ended, highest-efficiency, longest-life Ceramic Metal Halide discharge lamp producing crisp white sparkling light with high colour rendering

Benefits

• General Information

Cap base	G12 [G12]
Burning 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

Lamp Luminous Flux (Nom)	5700 lm
Colour Designation	Warm white (WW)
Chromaticity coordinate X (nom.)	0.430
Chromaticity coordinate Y (nom.)	0.390
Colour Temperature, horizontal (Nom)	3000 K
Lamp Luminous Efficacy EM (Nom)	114 lm/W
Colour Rendering Index,horiz (Min)	-
Colour Rendering Index,horiz (Nom)	90

• Operating and Electrical

Power (Rated) (Nom)	50.0 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)	88 V
Voltage (Nom)	95 V

• Controls and Dimming

Dimmable	no
Run-up time 90% (max.)	3 min

• Mechanical and Housing

Bulb finish	Clear (CL)

• Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	4.7 mg
Energy Consumption kWh/1000 h	55 kWh

• UV

PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.3

PHILIPS

MASTERColour CDM-T Evolution

- Luminaire Design Requirements

Bulb temperature (max.)	500 °C
Cap base temperature (max.)	250 °C
Pinch temperature (max.)	350 °C

- Product Data

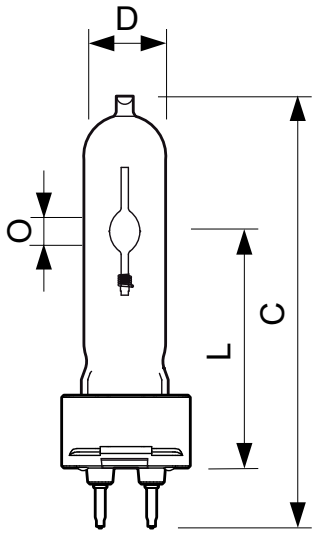
Full product code	871829170122400

Order product name	MASTERColour CDM-T Evolution 50W/930 G12
EAN/UPC – product	8718291701224
Order code	928060805131
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928060805131
Net weight (piece)	27.000 g

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

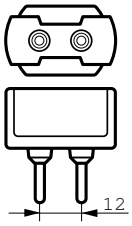


CDM-T Evolution G12

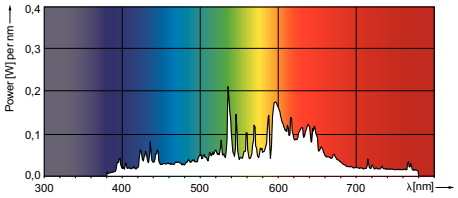
CDM-T Evol 50W/930 G12

Product	D	O	L	L	L	C
MASTERColour CDM-T Evolution 50W/930 G12	20 mm	7.2 mm	55 mm	57 mm	56 mm	103 mm

Dimensional drawing



Photometric data



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