

# MASTERC colour CDM-T Evolution

MASTERC colour CDM-T Evolution 70W/930 G12

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



## Product data

### • General Characteristics

Cap-Base	G12
Bulb	T19 [T 19mm]
Bulb Finish	Clear
Operating Position	vbu/vbd60 [Vertical or Base Up/Base Down +/-60D]

### • Light Technical Characteristics

Color Code	930 [CCT of 3000K]
Color Rendering Index	87 (min), 90 (nom) Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Luminous Flux Lamp EL	8800 Lm
Luminous Efficacy Lamp EL	120 Lm/W
Lumen Maintenance EL 1000h	96 %
Lumen Maintenance EL 2000h	93 %
Lumen Maintenance EL 4000h	92 %
Lumen Maintenance EL 8000h	89 %
Lumen Maintenance EL 12000h	88 %
Lumen Maintenance EL 15000h	87 %
Lumen Maintenance EL 20000h	85 %
Chromaticity Coordinate X	0.426 -
Chromaticity Coordinate Y	0.388 -

### • Electrical Characteristics

System Power EL	80 W
Lamp Wattage	70 W
Lamp Wattage EL 25°C, Rated	73.0 W
Lamp Wattage EL 25°C, Nominal	70.0 W
Lamp Voltage	96 V
Lamp Current EL	0.76 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Re-ignition Time [min]	15 (max) min
Dimmable	No

### • Environmental Characteristics

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

### • UV-related Characteristics

Damage Factor D/fc PET (NIOSH)	0.3 (max) - 8 (min) h500lx
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### • Luminaire Design Requirements

Cap-Base Temperature	250 (max) C
Pinch Temperature	350 (max) C
Bulb Temperature	500 (max) C

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## • Product Dimensions

Reference Length A	90 (max) mm
Overall Length C	103 (max) mm
Diameter D	20 (max) mm
Light Center Length L	55 (min), 56 (nom), 57 (max) mm
Arc Length O	9 mm
Light Center Length L [inch]	2.16 (min), 2.20 (nom), 2.24 (max) in
Overall Length C [inch]	4 (max) in
Diameter D [inch]	0.79 (max) in

## • Product Data

Order code	928061705131
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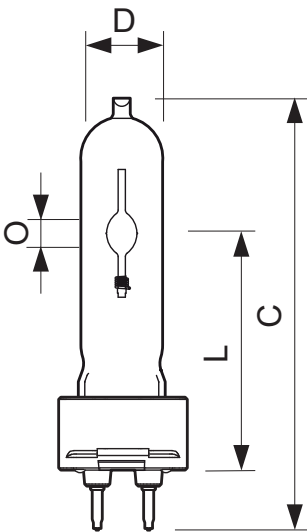
Full product code	928061705131
Full product name	MASTERColour CDM-T Evolution 70W/930 G12
Order product name	MC CDM-T Evolution 70W/930 G12
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8718291713760
Bar code on outerbox - EAN3	8718291713777
Logistic code(s) - 12NC	928061705131
Net weight per piece	28.000 gr

## 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
- Control gear must include end-of-life protection (IEC61167, IEC 62035)

- CDM Evolution lamps are designed to comply with IEC standards
- The vast majority of drivers are fully compatible with CDM Evolution lamps. However, we are also aware that the use of CDM Evolution lamps in combination with certain type of drivers may cause undesired performance issues and for that reason we advise you to always perform a driver compatibility check to ensure proper operation.

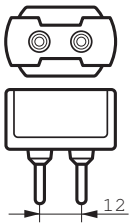
## Dimensional drawing



## MASTERColour CDM-T Evolution 70W/930 G12

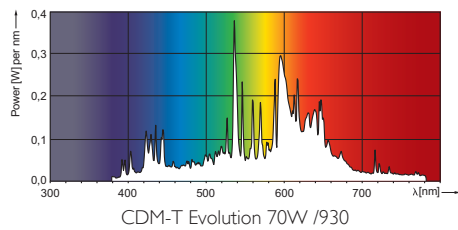
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T Evol 70W/930 G12	103	20	55	56	57	9

## Dimensional drawing



G12

## Photometric data



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2014, May 12  
data subject to change