



# MASTERColour CDM-T Elite

## MASTERColour CDM-T Elite 70W/930 G12 1CT/12

Single-ended, high-efficiency Ceramic Metal Halide discharge lamp

### Product data

General Information	
Cap base	G12 [ G12]
Operating position	UNIVERSAL [ Any/Universal]
Life to 5% failures (nom.)	12000 h
Life to 10% failures (nom.)	14000 h
Life to 20% failures (nom.)	16000 h
Life to 50% failures (nom.)	20000 h
ANSI code HID	C139/E
Light Technical	
Colour code	930 [ CCT of 3,000 K]
Luminous flux (rated) (nom.)	7800 lm
Colour designation	Warm white (WW)
Lumen maintenance 1,000 hours (nom.)	97 %
Lumen maintenance 12,000 hours (nom.)	82 %
Lumen maintenance 10,000 hours (nom.)	83 %
Lumen maintenance 2,000 hours (nom.)	95 %
Lumen maintenance 4,000 hours (nom.)	90 %
Lumen maintenance 5,000 hours (nom.)	88 %
Chromaticity coordinate X (nom.)	0.435
Chromaticity coordinate Y (nom.)	0.396
Correlated colour temperature (nom.)	3000 K
Luminous efficacy (rated) (nom.)	103 lm/W

Color rendering index (min.)	87
Color rendering index (nom.)	90
Operating and Electrical	
Power (Rated) (Nom)	73 W
Lamp current run-up (max.)	2 A
Lamp current (EM) (nom.)	1 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)	79 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

# MASTERC colour CDM-T Elite

## Mechanical and Housing

Bulb finish	Clear
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## Approval and Application

Energy efficiency label (EEL)	A+
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

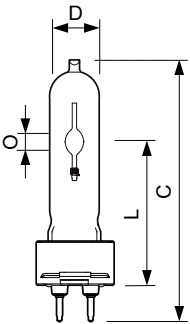
Bulb temperature (max.)	500 °C
Cap base temperature (max.)	250 °C
Pinch temperature (max.)	350 °C

## Product Data

Full product code	872790091141100
Order product name	MASTERC colour CDM-T Elite 70W/930 G12 1CT/12
EAN/UPC – product	8727900911411
Order code	91141100
Local Code	CDMTELITE70930
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928185305131
Net weight (piece)	0.029 kg
ILCOS Code	MT/UB-70/930-H-G12-20/90

## Warnings and Safety

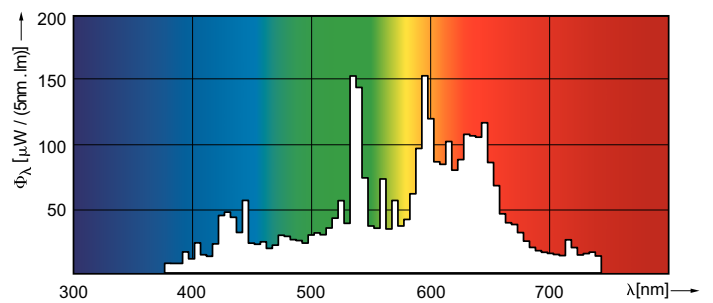
### Dimensional drawing



CDM-T Elite 70W/930 G12

Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERC colour CDM-T Elite 70W/930 G12 1CT/12	20 mm	7.15 mm	55 mm	57 mm	56 mm	103 mm

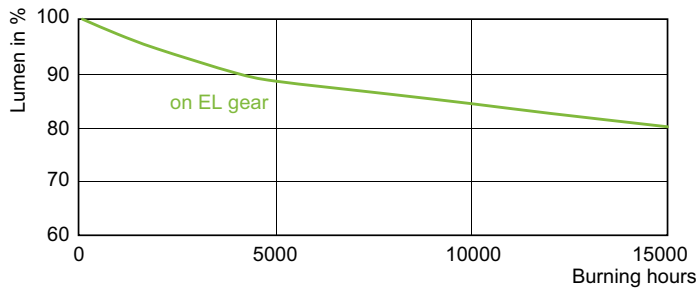
### Photometric data



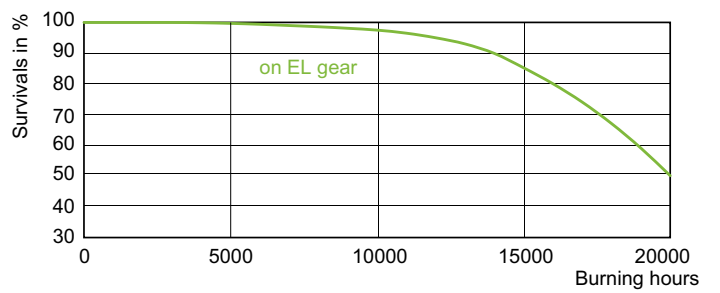
LDPO\_CDM-T-E\_0002-Spectral power distribution Colour

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## Lifetime



LDLM\_CDM-T-E\_0007-Lumen maintenance diagram



LDLE\_CDM-T-E\_0006-Life expectancy diagram

