



# MASTERColour CDM-T Elite



## MASTERColour CDM-T Elite 35W/930 G12 1CT/12

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

### Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Use only with electronic control gear. 35W & 70W lamps may also use electromagnetic gear.
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- 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.

### Product data

General information		Color Designation	
Cap-Base	G12 [ G12]		Warm White (WW)
Operating Position	UNIVERSAL [ Any or Universal (U)]	Lumen Maintenance 1000 h (Nom)	95 %
Life to 5% Failures (Nom)	12000 h	Lumen Maintenance 12000 h (Nom)	80 %
Life To 10% Failures (Nom)	14000 h	Lumen Maintenance 10000 h (Nom)	83 %
Life to 20% Failures (Nom)	16000 h	Lumen Maintenance 2000 h (Nom)	93 %
Life to 50% Failures (Nom)	20000 h	Lumen Maintenance 4000 h (Nom)	90 %
ANSI Code HID	C130/E	Lumen Maintenance 5000 h (Nom)	88 %
Flux measurement reference	Sphere	Chromaticity Coordinate X (Nom)	0.434
		Chromaticity Coordinate Y (Nom)	0.398
		Correlated Color Temperature (Nom)	3000 K
		Luminous Efficacy (rated) (Nom)	98 lm/W
		Color Rendering Index (Min)	87
		Color Rendering Index (Nom)	90
Light technical			
Color Code	930 [ CCT of 3000K]		
Luminous Flux (Nom)	4050 lm		
Luminous Flux (Rated) (Nom)	4050 lm		

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## Operating and electrical

Power (Nom)	39.1 W
Lamp Current Run-Up (Max)	1 A
Lamp Current (EM) (Nom)	0.500 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)	80 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

## Mechanical and housing

Bulb Finish	Clear
Bulb Shape	T19 [ T 19mm]

## Approval and application

Energy Efficiency Class	F
Mercury (Hg) Content (Max)	4.7 mg

Mercury (Hg) Content (Nom)	4.7 mg
Energy Consumption kWh/1000 h	40 kWh
EPREL Registration Number	473258

## UV

Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.3

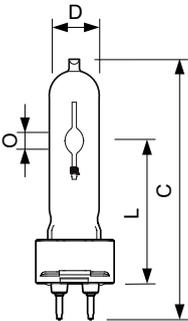
## Luminaire design requirements

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

## Product data

Full product code	872790091137400
Order product name	MASTERColour CDM-T Elite 35W/930 G12 1CT/12
EAN/UPC - Product	8727900911374
Order code	928185205131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928185205131
Net Weight (Piece)	0.028 kg
ILCOS Code	MT/UB-35/930-H-G12-20/90

## Dimensional drawing

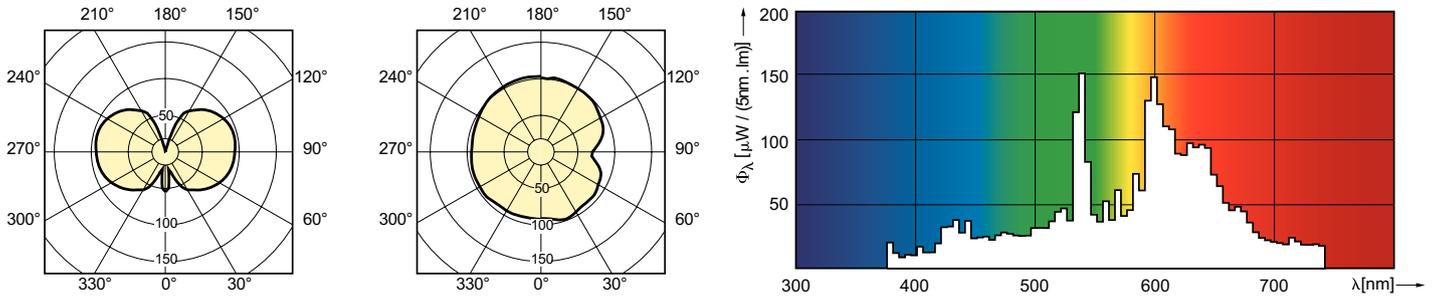


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Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T Elite 35W/930 G12 1CT/12	20 mm	4.8 mm	55 mm	57 mm	56 mm	103 mm

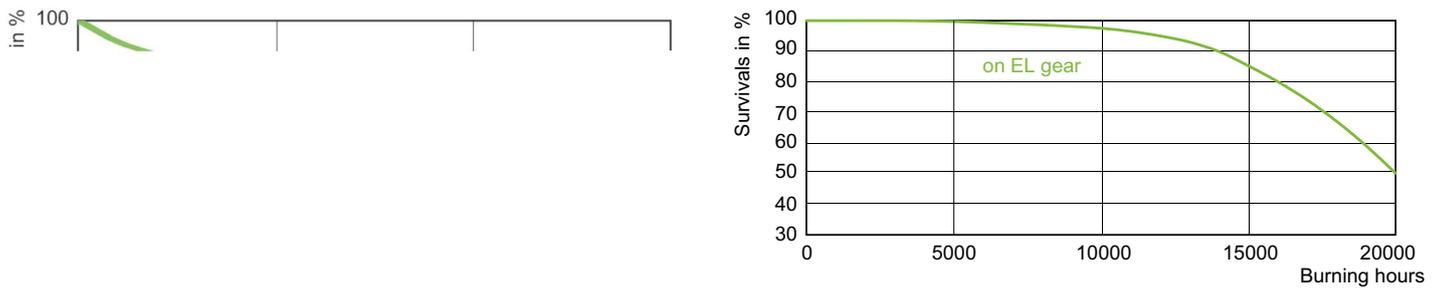
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## Photometric data



LDLD\_CDM-T-E\_0001-Light distribution diagram

## Lifetime



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

