



# Perfect sparkle, unrivalled efficiency

## MASTERColour CDM-TC Elite

Compact, single-ended, very high-efficiency, long-life ceramic metal-halide discharge lamp producing crisp white sparkling light with high color rendering

### Benefits

- High-intensity beam of crisp white sparkling light makes merchandise look irresistible
- Stable color and lumen output over life keeps your store attractive season after season
- Lowest Total Cost of Ownership as a result of high efficacy (same light, less energy or same energy, more light) and long life

### Features

- Crisp white sparkling light
- Excellent color rendering, with extra red
- High efficacy with unparalleled lumen maintenance
- Stable color performance over lifetime
- UV-blocking glass

### Application

- Accent and display lighting in retail
- General and decorative indoor lighting
- Outdoor area lighting

# MASTERColour CDM-TC Elite

## 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
- 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.

## Versions



CDM-TC Elite 35W /930 /942



CDM-TC Elite 70W /930 /942

## Dimensional drawing

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Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-TC Elite 70W/930 G8.5 1CT/12	15 mm	7.15 mm	51 mm	53 mm	52 mm	85 mm
MASTERColour CDM-TC Elite 35W/930 G8.5 1CT/12	15 mm	4.8 mm	51 mm	53 mm	52 mm	85 mm

# MASTERCcolour CDM-TC Elite

## Controls and Dimming

Dimmable	No
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## Operating and Electrical

Voltage (Max)	90 V
Voltage (Min)	80 V
Voltage (Nom)	85 V
Re-ignition Time (Min) (Max)	15 min

## General Information

Cap-Base	G8.5
Life To 10% Failures (Nom)	14000 h
Life To 20% Failures (Nom)	16000 h
Life To 50% Failures (Nom)	20000 h
Life To 5% Failures (Nom)	12000 h
Operating Position	UNIVERSAL

## Light Technical

Chromaticity Coordinate X (Nom)	0.434
Chromaticity Coordinate Y (Nom)	0.398
Color Code	930
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	3000 K
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90
Lumen Maintenance 5000 h (Nom)	88 %

## Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	T4

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928189105131	MASTERCcolour CDM-TC Elite 35W/930 G8.5 1CT/12	40 kWh	4.7 mg	4.7 mg
928189505131	MASTERCcolour CDM-TC Elite 70W/930 G8.5 1CT/12	74 kWh	6.6 mg	6.6 mg

## Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
928189105131	MASTERCcolour CDM-TC Elite 35W/930 G8.5 1CT/12	39.1 W

Order Code	Full Product Name	Power (Rated) (Nom)
928189505131	MASTERCcolour CDM-TC Elite 70W/930 G8.5 1CT/12	73.2 W

## Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928189105131	MASTERCcolour CDM-TC Elite 35W/930 G8.5 1CT/12	500 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928189505131	MASTERCcolour CDM-TC Elite 70W/930 G8.5 1CT/12	550 °C

## Light Technical (1/2)

Order Code	Full Product Name	Lumen Maintenance (Nom)	Lumen Maintenance (Nom)	Lumen Maintenance (Nom)	Luminous Efficacy (rated) (Nom)
928189105131	MASTERCcolour CDM-TC Elite	80 %	78 %	93 %	102 lm/W

Order Code	Full Product Name	Lumen Maintenance (Nom)	Lumen Maintenance (Nom)	Lumen Maintenance (Nom)	Luminous Efficacy (rated) (Nom)
	35W/930 G8.5 1CT/12				

# MASTERCoulour CDM-TC Elite

Order Code	Full Product Name	Lumen	Lumen	Lumen	Luminous
		Maintenance	Maintenance	Maintenance	Efficacy
		10000 h	12000 h	2000 h	(rated)
		(Nom)	(Nom)	(Nom)	(Nom)
928189505131	MASTERCoulour CDM-TC Elite	83 %	82 %	95 %	107 lm/W

Order Code	Full Product Name	Lumen	Lumen	Lumen	Luminous
		Maintenance	Maintenance	Maintenance	Efficacy
		10000 h	12000 h	2000 h	(rated)
		(Nom)	(Nom)	(Nom)	(Nom)
	70W/930 G8.5 1CT/12				

## Light Technical (2/2)

Order Code	Full Product Name	Luminous	Luminous	Luminous
		Flux (Nom)	Flux (Rated) (Min)	Flux (Rated) (Nom)
928189105131	MASTERCoulour CDM-TC Elite 35W/930 G8.5 1CT/12	4000 lm	3600 lm	4000 lm

Order Code	Full Product Name	Luminous	Luminous	Luminous
		Flux (Nom)	Flux (Rated) (Min)	Flux (Rated) (Nom)
928189505131	MASTERCoulour CDM-TC Elite 70W/930 G8.5 1CT/12	7800 lm	-	7800 lm

## Colour Rendering Diagrams



LDCR\_CDMTC-E\_0002-Colour rendering diagram

