



# Perfect sparkle, reliable life

## MASTERColour CDM-T Elite MW

The medium wattage lighting system that gives superior, longer-lasting white light for both indoor and outdoor use

### Benefits

- High quality sparkling white light
- Highest energy saving and lowest cost of ownership
- Reduced energy consumption/CO<sub>2</sub> emission
- Dimmable

### Features

- Very high-quality white light with excellent colour rendering
- Long reliable lifetime combined with highest system efficacy
- New socket design makes lamp extremely compact and improves efficiency
- New electronic gear platform

### Application

- Outdoor; floodlighting of buildings and other interesting structures. Illumination of roads and pedestrian areas, public spaces, car parks, petrol stations etc.
- Indoor; larger (high-bay) retail outlets, warehouses, manufacturing facilities etc.

### Warnings and Safety

- Use only in totally enclosed luminaire, even during testing, except for protected versions with PGZX18 cap, which are designed for open luminaires (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.

# MASTERCcolour CDM-T Elite MW

## Operating and Electrical

Voltage (Min)	90 V
Power (Rated) (Nom)	210.0 W
Re-ignition Time (Min) (Max)	10 min

## General Information

Life To 50% Failures (Nom)	30000 h
Operating Position	UNIVERSAL

## Light Technical

Colour Code	942
Colour Designation	Cool White (CW)
Colour Rendering Index (Min)	89
Colour Rendering Index (Nom)	92
Lumen Maintenance 10000 h (Nom)	91 %
Lumen Maintenance 2000 h (Nom)	98 %
Lumen Maintenance 20000 h	80 %
Luminous Efficacy (rated) (Min)	98 lm/W
Luminous Efficacy (rated) (Nom)	108 lm/W

## Mechanical and Housing

Bulb Finish	Clear
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## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Picogram Per Lumen Hour
928601164931	MASTERCcolour CDM-TMW Elite 210W/942 1CT	210 kWh	23 mg	40.3 pg/lm.h
928601167231	CDM T12 ELITE 210W/942/U/O EU	231 kWh	25 mg	60.7 pg/lm.h

## Controls and Dimming

Order Code	Full Product Name	Dimmable
928601164931	MASTERCcolour CDM-TMW Elite 210W/942 1CT	No

Order Code	Full Product Name	Dimmable
928601167231	CDM T12 ELITE 210W/942/U/O EU	-

## Operating and Electrical

Order Code	Full Product Name	Voltage (Max)	Voltage (Nom)
928601164931	MASTERCcolour CDM-TMW Elite 210W/942 1CT	115 V	98 V

Order Code	Full Product Name	Voltage (Max)	Voltage (Nom)
928601167231	CDM T12 ELITE 210W/942/U/O EU	120 V	105 V

## General Information

Order Code	Full Product Name	Cap-Base	Life To 10% Failures (Nom)	Life To 5% Failures (Nom)
928601164931	MASTERCcolour CDM-TMW Elite 210W/942 1CT	PGZ18	16000 h	12500 h

Order Code	Full Product Name	Cap-Base	Life To 10% Failures (Nom)	Life To 5% Failures (Nom)
928601167231	CDM T12 ELITE 210W/942/U/O EU	PGZX18.	12000 h	10000 h

## Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928601164931	MASTERCcolour CDM-TMW Elite 210W/942 1CT	600 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928601167231	CDM T12 ELITE 210W/942/U/O EU	550 °C

## Light Technical (1/2)

## MASTERColour CDM-T Elite MW

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated	Correlated
		Coordinate	Coordinate	Colour	Colour
		X (Nom)	Y (Nom)	Temperature (Max)	Temperature (Min)
928601164931	MASTERColour CDM-TMW	0.371	0.366	-	-

  

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated	Correlated
		Coordinate	Coordinate	Colour	Colour
		X (Nom)	Y (Nom)	Temperature (Max)	Temperature (Min)
	Elite 210W/942 1CT				
928601167231	CDM T12 ELITE 210W/942/U/O EU	0.381	0.374	- K	- K

### Light Technical (2/2)

Order Code	Full Product Name	Correlated	Lumen	Lumen	Lumen	Lumen	Design	Luminous	Luminous	
		Colour Temperature (Nom)	Maintenance - 10% Life	Maintenance - 12000 h (Nom)	Maintenance - 40% Life	Maintenance - 5000 h (Nom)	Mean Lumens	Flux (Rated) (Min)	Flux (Rated) (Nom)	
928601164931	MASTERColour CDM-TMW Elite 210W/942 1CT	4200 K	95 %	90 %	90 %	94 %	20470 lm	23000 lm	21000 lm	23000 lm
928601167231	CDM T12 ELITE 210W/942/U/O EU	3960 K	98 %	91 %	92 %	93 %	20500 lm	-	20600 lm	22800 lm

### Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928601164931	MASTERColour CDM-TMW Elite 210W/942 1CT	TMW28
928601167231	CDM T12 ELITE 210W/942/U/O EU	T12

