



# 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.

# MASTERCLOUR CDM-T Elite MW

## Approval and Application

Energy Consumption kWh/1000 h	347 kWh
Energy Efficiency Label (EEL)	A+

## Operating and Electrical

Voltage (Max)	115 V
Voltage (Min)	90 V
Voltage (Nom)	100 V
Power (Rated) (Nom)	315.9 W
Re-ignition Time (Min) (Max)	10 min

## General Information

Cap-Base	PGZX18.
Life To 10% Failures (Nom)	12000 h
Life To 50% Failures (Nom)	30000 h
Life To 5% Failures (Nom)	10000 h
Operating Position	UNIVERSAL

## Luminaire Design Requirements

Bulb Temperature (Max)	550 °C
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## Light Technical

Correlated Colour Temperature (Max)	- K
Correlated Colour Temperature (Min)	- K
Colour Rendering Index (Min)	87
Colour Rendering Index (Nom)	90
Lumen Maintenance 20000 h	80 %

## Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	T12

## Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Picogram Per Lumen Hour
928601167131	CDM ELITE TMW 315/930/U/O EU	28 mg	44.4 pg/lm.h
928601167331	CDM Elite TMW 315/942/U/O EU	25 mg	39.0 pg/lm.h

## Light Technical (1/3)

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Colour Designation
928601167131	CDM ELITE TMW 315/930/U/O EU	0.429	0.398	930	Warm white (WW)

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Colour Designation
928601167331	CDM Elite TMW 315/942/U/O EU	0.376	0.379	942	Cool White (CW)

## Light Technical (2/3)

Order Code	Full Product Name	Correlated							Luminous	
		Colour Temperature (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance - 10% Life	Lumen Maintenance - 12000 h (Nom)	Lumen Maintenance - 2000 h (Nom)	Lumen Maintenance - 40% Life	Lumen Maintenance - 5000 h (Nom)	Luminous Efficacy (rated) (Min)	Luminous Efficacy (Nom)
928601167131	CDM ELITE TMW 315/930/U/O EU	-	87 %	98 %	83 %	98 %	87 %	89 %	105 lm/W	115 lm/W

## MASTERColour CDM-T Elite MW

Order Code	Full Product Name	Correlated	Lumen	Lumen	Lumen	Lumen	Lumen	Lumen	Luminous	Luminous
		Colour Temperature (Nom)	Maintenance 10000 h (Nom)	Maintenance - 10% Life	Maintenance 12000 h (Nom)	Maintenance 2000 h (Nom)	Maintenance - 40% Life	Maintenance 5000 h (Nom)	Efficacy (rated) (Min)	Efficacy (rated) (Nom)
928601167331	CDM Elite TMW 315/942/U/O EU	4140 K	93 %	97 %	91 %	97 %	95 %	96 %	99 lm/W	109 lm/W

### Light Technical (3/3)

Order Code	Full Product Name	Design Mean Lumens	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)	Order Code	Full Product Name	Design Mean Lumens	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928601167131	CDM ELITE TMW 315/930/U/O EU	31500 lm	33100 lm	36200 lm	928601167331	CDM Elite TMW 315/942/U/O EU	30780 lm	31200 lm	34300 lm

