



# 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.

# MASTERC colour CDM-T Elite MW

## Versions



PGZ18, T9 (TMW28), Clear



PGZX18., T12, Clear, Protected

## Dimensional drawing

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Product	D	D	C
CDM Elite TMW 315/942/U/O EU	1.5 in	38 mm	193 mm
MASTERC colour CDM-TMW Elite 210W/942 1CT	29 mm	1.1 in	28 mm 188 mm 186 mm
CDM-T Elite 315W/930 PGZ18.1CT/12	29 mm	1.1 in	28 mm 188 mm 186 mm
CDM-T Elite 315W/942 PGZ18.1CT/12	29 mm	1.1 in	28 mm 188 mm 186 mm

### Approval and Application

Energy Efficiency Label (EEL) A+

### Operating and Electrical

Voltage (Max) 115 V

Re-ignition Time (Min) (Max) 10 min

### General Information

Life To 50% Failures (Nom) 30000 h

Operating Position UNIVERSAL

### Light Technical

Correlated Color Temperature (Max) - K

Correlated Color Temperature (Min) - K

### Mechanical and Housing

Bulb Finish Clear

### Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Picogram Per Lumen Hour
54801000	MASTERC colour CDM-TMW Elite 315W/930 1CT	347 kWh	28 mg	27.1 pg/lm.h
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	347 kWh	25 mg	25 pg/lm.h
13952200	MASTERC colour CDM-TMW Elite 210W/942 1CT	231 kWh	25 mg	40.3 pg/lm.h
13960700	CDM Elite TMW 315/942/U/O EU	347 kWh	25 mg	39.0 pg/lm.h

## Operating and Electrical

# MASTERCcolour CDM-T Elite MW

Order Code	Full Product Name	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
54801000	MASTERCcolour CDM-TMW Elite 315W/930 1CT	90 V	100 V	315.0 W
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	85 V	100 V	315.0 W

Order Code	Full Product Name	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
13952200	MASTERCcolour CDM-TMW Elite 210W/942 1CT	90 V	98 V	210.0 W
13960700	CDM Elite TMW 315/942/U/O EU	90 V	100 V	315.0 W

## General Information

Order Code	Full Product Name	Cap-Base	Life To 10% Failures (Nom)	Life To 5% Failures (Nom)
54801000	MASTERCcolour CDM-TMW Elite 315W/930 1CT	PGZ18	16000 h	12500 h
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	PGZ18	16000 h	12500 h

Order Code	Full Product Name	Cap-Base	Life To 10% Failures (Nom)	Life To 5% Failures (Nom)
13952200	MASTERCcolour CDM-TMW Elite 210W/942 1CT	PGZ18	16000 h	12500 h
13960700	CDM Elite TMW 315/942/U/O EU	PGZX18	12000 h	10000 h

## Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
54801000	MASTERCcolour CDM-TMW Elite 315W/930 1CT	700 °C
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	700 °C

Order Code	Full Product Name	Bulb Temperature (Max)
13952200	MASTERCcolour CDM-TMW Elite 210W/942 1CT	600 °C
13960700	CDM Elite TMW 315/942/U/O EU	550 °C

## Light Technical (1/3)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Code	Color Designation
54801000	MASTERCcolour CDM-TMW Elite 315W/930 1CT	0.429	0.398	930	Warm White (WW)
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	0.376	0.379	942	Cool White (CW)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Code	Color Designation
13952200	MASTERCcolour CDM-TMW Elite 210W/942 1CT	0.381	0.374	942	Cool White (CW)
13960700	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 Color Temperature (Nom)	Color Rendering Index (Min)	Color Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 10% Life	Lumen Maintenance 12000 h (Nom)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 20000 h	Lumen Maintenance 40% Life
54801000	MASTERCcolour CDM-TMW Elite 315W/930 1CT	-	87	90	90 %	96 %	89 %	99 %	80 %	89 %
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	4140 K	90	93	86 %	96 %	82 %	98 %	81 %	82 %
13952200	MASTERCcolour CDM-TMW Elite 210W/942 1CT	3960 K	89	92	91 %	95 %	90 %	98 %	80 %	90 %

# MASTERColour CDM-T Elite MW

Order Code	Full Product Name	Correlated	Color							
		Color Temperature (Nom)	Color Rendering Index (Min)	Color Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance - 10% Life	Lumen Maintenance - 12000 h (Nom)	Lumen Maintenance - 2000 h (Nom)	Lumen Maintenance - 20000 h	Lumen Maintenance - 40% Life
13960700	CDM Elite TMW 315/942/U/O EU	4140 K	87	90	93 %	97 %	91 %	97 %	80 %	95 %

## Light Technical (3/3)

Order Code	Full Product Name	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Min)	Luminous Efficacy (rated) (Nom)	Design Mean Lumens	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
54801000	MASTERColour CDM-TMW Elite 315W/930 1CT	96 %	112 lm/W	120 lm/W	33700 lm	35280 lm	38000 lm
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	94 %	105 lm/W	113 lm/W	31150 lm	33100 lm	35500 lm
13952200	MASTERColour CDM-TMW Elite 210W/942 1CT	94 %	98 lm/W	108 lm/W	20470 lm	21000 lm	23000 lm
13960700	CDM Elite TMW 315/942/U/O EU	96 %	99 lm/W	109 lm/W	30780 lm	31200 lm	34300 lm

## Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
54801000	MASTERColour CDM-TMW Elite 315W/930 1CT	TMW28
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	TMW28
13952200	MASTERColour CDM-TMW Elite 210W/942 1CT	TMW28
13960700	CDM Elite TMW 315/942/U/O EU	T12

