



# 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

## 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 Colour Temperature (Max) - K

Correlated Colour Temperature (Min) - K

Lumen Maintenance 2000 h (Nom) 98 %

## 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
13950800	MASTERCcolour CDM-TMW Elite 210W/930 1CT	231 kWh	24.5 mg	40.4 pg/lm.h
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	347 kWh	25 mg	25 pg/lm.h
13952200	MASTERCcolour CDM-TMW Elite 210W/942 1CT	231 kWh	25 mg	40.3 pg/lm.h
13954600	CDM-TP MW 210W/930 PGZX18.1CT/12	231 kWh	24.5 mg	53 pg/lm.h

## Operating and Electrical

Order Code	Full Product Name	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
13950800	MASTERCcolour CDM-TMW Elite 210W/930 1CT	90 V	100 V	210.0 W
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	85 V	100 V	315.9 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
13954600	CDM-TP MW 210W/930 PGZX18.1CT/12	90 V	100 V	210.0 W

## General Information

Order Code	Full Product Name	Cap-Base	Life To 10% Failures (Nom)	Life To 5% Failures (Nom)
13950800	MASTERCcolour CDM-TMW Elite 210W/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
13954600	CDM-TP MW 210W/930 PGZX18.1CT/12	PGZX18.	12000 h	10000 h

## Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
13950800	MASTERCcolour CDM-TMW Elite 210W/930 1CT	600 °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
13954600	CDM-TP MW 210W/930 PGZX18.1CT/12	550 °C

## Light Technical (1/3)

## MASTERColour CDM-T Elite MW

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
13950800	MASTERColour CDM-TMW Elite 210W/930 1CT	0.438	0.399	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	Chromaticity	Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
13952200	MASTERColour CDM-TMW Elite 210W/942 1CT	0.381	0.374	942	Cool White (CW)
13954600	CDM-TP MW 210W/930 PGZX18.1CT/12	0.438	0.399	930	Warm White (WW)

### Light Technical (2/3)

#### Mechanical and Housing

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Min)	Colour Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 10% Life	Lumen Maintenance 12000 h (Nom)	Lumen Maintenance 20000 h	Lumen Maintenance 40% Life	Lumen Maintenance 5000 h (Nom)
		13950800	MASTERColour CDM-TMW Elite 210W/930 1CT	-	87	90	91 %	96 %	90 %	81 %
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	4140 K	90	93	86 %	96 %	82 %	81 %	82 %	94 %
13952200	MASTERColour CDM-TMW Elite 210W/942 1CT	3960 K	89	92	91 %	95 %	90 %	80 %	90 %	94 %
13954600	CDM-TP MW 210W/930 PGZX18.1CT/12	-	87	90	84 %	98 %	78 %	-	88 %	91 %

### Light Technical (3/3)

Order Code	Full Product Name	Luminous Efficacy (rated) (Min)	Luminous Efficacy (rated) (Nom)	Design Mean Lumens	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
		13950800	MASTERColour CDM-TMW Elite 210W/930 1CT	105 lm/W	114 lm/W	21600 lm
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	105 lm/W	112 lm/W	31150 lm	33100 lm	35500 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Min)	Luminous Efficacy (rated) (Nom)	Design Mean Lumens	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
		13952200	MASTERColour CDM-TMW Elite 210W/942 1CT	98 lm/W	108 lm/W	20470 lm

