



# 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.

# MASTERC colour CDM-T Elite MW

## Versions

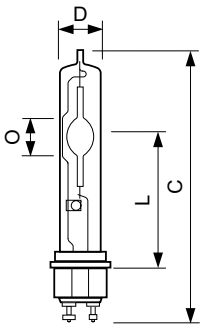


PGZ18, T9 (TMW28), Clear



PGZX18., T12, Clear, Protected

## Dimensional drawing



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

### Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Max)	25 mg

### 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

Color Code	942
Color Designation	Cool White (CW)
Correlated Color Temperature (Max)	- K
Correlated Color Temperature (Min)	- K

### Mechanical and Housing

Bulb Finish	Clear (CL)
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### Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Picogram Per Lumen Hour
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	347 kWh	25 pg/lm.h
13952200	MASTERC colour CDM-TMW Elite 210W/942 1CT	231 kWh	40.3 pg/lm.h
13960700	CDM Elite TMW 315/942/U/O EU	347 kWh	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)
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	85 V	100 V	315.0 W
13952200	MASTERCcolour CDM-TMW Elite 210W/942 1CT	90 V	98 V	210.0 W

Order Code	Full Product Name	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
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)
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	PGZ18	16000 h	12500 h
13952200	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)
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)
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	700 °C
13952200	MASTERCcolour CDM-TMW Elite 210W/942 1CT	600 °C

Order Code	Full Product Name	Bulb Temperature (Max)
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)	Correlated Color Temperature (Nom)	Color Rendering Index (Min)
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	0.376	0.379	4140 K	90
13952200	MASTERCcolour CDM-TMW Elite 210W/942 1CT	0.381	0.374	3960 K	89

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Color Rendering Index (Min)
13960700	CDM Elite TMW 315/942/U/O EU	0.376	0.379	4140 K	87

## Light Technical (2/3)

Order Code	Full Product Name	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	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Min)
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	93	86 %	96 %	82 %	98 %	81 %	82 %	94 %	105 lm/W
13952200	MASTERCcolour CDM-TMW Elite 210W/942 1CT	92	91 %	95 %	90 %	98 %	80 %	90 %	94 %	98 lm/W
13960700	CDM Elite TMW 315/942/U/O EU	90	93 %	97 %	91 %	97 %	80 %	95 %	96 %	99 lm/W

## Light Technical (3/3)

# MASTERCoulour CDM-T Elite MW

Order Code	Full Product Name	Luminous	Luminous	Luminous
		Efficacy (rated) (Nom)	Design Mean Lumens	Flux (Rated) (Min)
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	113 lm/W	31150 lm	33100 lm
13952200	MASTERCoulour CDM-TMW Elite 210W/942 1CT	108 lm/W	20470 lm	21000 lm

Order Code	Full Product Name	Luminous	Luminous	Luminous
		Efficacy (rated) (Nom)	Design Mean Lumens	Flux (Rated) (Min)
13960700	CDM Elite TMW 315/942/U/O EU	109 lm/W	30780 lm	31200 lm

## Mechanical and Housing

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

