



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/CO₂ 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

Controls and dimming	
Dimmable	No
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	
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 ICT	210 kWh	24 mg	40.4 pg/lm.h
54803400	MASTERC CDM-TMW Elite 315W/942 ICT	316 kWh	25 mg	25 pg/lm.h

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Picogram Per Lumen Hour
13952200	MASTERCcolour CDM-TMW Elite 210W/942 ICT	210 kWh	23 mg	40.3 pg/lm.h
13954600	CDM-TP MW 210W/930 PGZX18.1CT/12	210 kWh	23.7 mg	53 pg/lm.h

Operating and electrical

Order Code	Full Product Name	Voltage (Min)	Voltage (Nom)	Power (Nom)
13950800	MASTERCcolour CDM-TMW Elite 210W/930 ICT	90 V	100 V	210.0 W
54803400	MASTERC CDM-TMW Elite 315W/942 ICT	85 V	100 V	315.9 W

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

Order Code	Full Product Name	Bulb Temperature (Max)
13952200	MASTERCcolour CDM-TMW Elite 210W/942 ICT	600 °C
13954600	CDM-TP MW 210W/930 PGZX18.1CT/12	550 °C

MASTERC colour CDM-T Elite MW

Light technical (1/3)

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour		Correlated Colour	Colour	Colour
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Colour Designation	Temperature (Nom)	Rendering Index (Min)	Rendering Index (Nom)
13950800	MASTERC colour CDM-TMW Elite 210W/930 1CT	0.434	0.398	930	Warm White (WW)	3000 K	87	90
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	0.371	0.366	942	Cool White (CW)	4200 K	90	93
13952200	MASTERC colour CDM-TMW Elite	0.371	0.366	942	Cool White (CW)	4200 K	89	92

Mechanical and housing

13954600	CDM-TP MW 210W/930 PGZX18.1CT/12	0.434	0.398	930	Warm White (WW)	3000 K	87	90
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Light technical (2/3)

Order Code	Full Product Name	Lumen	Lumen	Lumen	Lumen	Lumen	Lumen	Luminous	Luminous	Design
		Maintenance 10000 h (Nom)	Maintenance - 10% Life	Maintenance 12000 h (Nom)	Maintenance 20000 h	Maintenance - 40% Life	Maintenance 5000 h (Nom)	Efficacy (rated) (Min)	Efficacy (Nom)	Mean Lumens
13950800	MASTERC colour CDM-TMW Elite 210W/930 1CT	91 %	96 %	90 %	81 %	90 %	93 %	105 lm/W	114 lm/W	21600 lm
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	86 %	96 %	82 %	81 %	82 %	94 %	105 lm/W	112 lm/W	31150 lm
13952200	MASTERC colour CDM-TMW Elite 210W/942 1CT	91 %	95 %	90 %	80 %	90 %	94 %	98 lm/W	108 lm/W	20470 lm
13954600	CDM-TP MW 210W/930 PGZX18.1CT/12	84 %	98 %	78 %	-	88 %	91 %	101 lm/W	111 lm/W	21600 lm

Light technical (3/3)

Order Code	Full Product Name	Luminous	Luminous	Luminous	Order Code	Full Product Name	Luminous	Luminous	Luminous
		Flux (Nom)	Flux (Rated) (Min)	Flux (Rated) (Nom)			Flux (Nom)	Flux (Rated) (Min)	Flux (Rated) (Nom)
13950800	MASTERC colour CDM-TMW Elite 210W/930 1CT	24000 lm	22050 lm	24000 lm	13952200	MASTERC colour CDM-TMW Elite 210W/942 1CT	23000 lm	21000 lm	23000 lm
54803400	MASTERC CDM-TMW Elite 315W/942 1CT	35500 lm	33100 lm	35500 lm					

