



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

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

Cap-Base	PGZ18
Life To 10% Failures (Nom)	16000 h
Life To 50% Failures (Nom)	30000 h
Life To 5% Failures (Nom)	12500 h
Operating Position	UNIVERSAL

Light Technical

Colour Code	942
Colour Designation	Cool White (CW)
Correlated Colour Temperature (Max)	- K
Correlated Colour Temperature (Min)	- K
Lumen Maintenance 2000 h (Nom)	98 %
Lumen Maintenance 5000 h (Nom)	94 %

Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	TMW28

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Picogram Per Lumen Hour
928601164831	CDM-T Elite 315W/942 PGZ18.1CT/12	347 kWh	25 pg/lm.h
928601164931	MASTERCcolour CDM-TMW Elite 210W/942 1CT	231 kWh	40.3 pg/lm.h

Operating and Electrical

Order Code	Full Product Name	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
928601164831	CDM-T Elite 315W/942 PGZ18.1CT/12	85 V	100 V	315.9 W

Order Code	Full Product Name	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
928601164931	MASTERCcolour CDM-TMW Elite 210W/942 1CT	90 V	98 V	210.0 W

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928601164831	CDM-T Elite 315W/942 PGZ18.1CT/12	700 °C
928601164931	MASTERCcolour CDM-TMW Elite 210W/942 1CT	600 °C

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Colour Temperature (Nom)	Colour Rendering Index (Min)
928601164831	CDM-T Elite 315W/942 PGZ18.1CT/12	0.376	0.379	4140 K	90
928601164931	MASTERCcolour CDM-TMW	0.381	0.374	3960 K	89

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Colour Temperature (Nom)	Colour Rendering Index (Min)
	Elite 210W/942 1CT				

MASTERColour CDM-T Elite MW

Light Technical (2/3)

Order Code	Full Product Name	Colour	Lumen	Lumen	Lumen	Lumen	Lumen	Luminous	Luminous	Design Mean Lumens
		Rendering Index (Nom)	Maintenance 10000 h (Nom)	Maintenance - 10% Life	Maintenance 12000 h (Nom)	Maintenance 20000 h	Maintenance - 40% Life	Efficacy (rated) (Min)	Efficacy (rated) (Nom)	
928601164831	CDM-T Elite 315W/942 PGZ18.1CT/12	93	86 %	96 %	82 %	81 %	82 %	105 lm/W	112 lm/W	31150 lm
928601164931	MASTERColour CDM-TMW Elite 210W/942 1CT	92	91 %	95 %	90 %	80 %	90 %	98 lm/W	108 lm/W	20470 lm

Light Technical (3/3)

Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)	Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928601164831	CDM-T Elite 315W/942 PGZ18.1CT/12	33100 lm	35500 lm	928601164931	MASTERColour CDM-TMW Elite 210W/942 1CT	21000 lm	23000 lm

