



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.

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Approval and Application	
Energy Consumption kWh/1000 h	347 kWh
Energy Efficiency Label (EEL)	A+
Operating and Electrical	
Voltage (Max)	115 V
Voltage (Min)	90 V
Voltage (Nom)	100 V
Power (Rated) (Nom)	315.9 W
Re-Ignition Time (Min) (Max)	10 min
General Information	
Cap-Base	PGZX18.
Life To 10% Failures (Nom)	12000 h
Life To 50% Failures (Nom)	30000 h
Life To 5% Failures (Nom)	10000 h
Operating Position	UNIVERSAL
Luminaire Design Requirements	
Bulb Temperature (Max)	550 °C
Light Technical	
Correlated Colour Temperature (Max)	- K
Correlated Colour Temperature (Min)	- K
Colour Rendering Index (Min)	87
Colour Rendering Index (Nom)	90
Lumen Maintenance 20000 h	80 %
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	T12

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Picogram Per Lumen Hour
928601167131	CDM ELITE TMW 315/930/U/O EU	28 mg	44.4 pg/lm.h
928601167331	CDM Elite TMW 315/942/U/O EU	25 mg	39.0 pg/lm.h

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour Code	Colour Designation
		Coordinate X (Nom)	Coordinate Y (Nom)		
928601167131	CDM ELITE TMW 315/930/U/O EU	0.429	0.398	930	Warm white (WW)

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour Code	Colour Designation
		Coordinate X (Nom)	Coordinate Y (Nom)		
928601167331	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 Colour Temperature (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance - 10% Life	Lumen Maintenance 12000 h (Nom)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance - 40% Life	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Min)	Luminous Efficacy (Nom)
		(Nom)	(Nom)		(Nom)	(Nom)		(Nom)	(Min)	(Nom)
928601167131	CDM ELITE TMW 315/930/U/O EU	-	87 %	98 %	83 %	98 %	87 %	89 %	105 lm/W	115 lm/W

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Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance - 10% Life	Lumen Maintenance 12000 h (Nom)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance - 40% Life	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Min)	Luminous Efficacy (rated) (Nom)
928601167331	CDM Elite TMW 315/942/U/O EU	4140 K	93 %	97 %	91 %	97 %	95 %	96 %	99 lm/W	109 lm/W

Light Technical (3/3)

Order Code	Full Product Name	Design Mean Lumens	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928601167131	CDM ELITE TMW 315/930/U/O EU	31500 lm	33100 lm	36200 lm

Order Code	Full Product Name	Design Mean Lumens	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928601167331	CDM Elite TMW 315/942/U/O EU	30780 lm	31200 lm	34300 lm

