



The next generation of white light

MasterColor CDM-T Elite Med Wattage

The Philips MasterColor Elite MW system offers an unrivalled level of light quality and performance. The lamp's sparkling white light creates a natural ambience and really brings out the best in all different types of colors. In addition, the high efficiency of the lamp and ballast together means reduced energy use and a lower cost of ownership compared to a 400W Metal Halide HID system.

Benefits

- Excellent color rendering of 90+ CRI.
- Philips "Green Flagship Product" - Low mercury, no lead.
- New socket design provides higher optical efficiency.

Features

- Significant upgrade opportunity over traditional HID systems.
- Viable alternative to fluorescent options.
- Excellent color quality and consistent light output from beginning to end.
- Being 50% smaller than traditional metal halide lamps, MasterColor CDM Elite MW gives freedom in optic and luminaire design.
- Sparkling properties of white light create a more natural and inviting ambience.
- 210 & 315 Watt, 3000 & 4200 color versions. Each powered by a Philips Advance e-Vision electronic ballast.

Application

- Ideal for architectural facade lighting, illumination of pedestrian areas, indoor retail outlets, warehouses, manufacturing facilities.

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Warnings and Safety

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

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)

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

		Chromaticity	Chromaticity		
Order Code	Full Product Name	Coordinate X (Nom)	Coordinate Y (Nom)	Colour Code	Colour Designation
928601167331	CDM Elite TMW 315/942/U/O EU	0.376	0.379	942	Cool White (CW)

Light Technical (2/3)

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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)
928601167131	CDM ELITE TMW 315/930/U/O EU	-	87 %	98 %	83 %	98 %	87 %	89 %	105 lm/W	115 lm/W
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

