



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

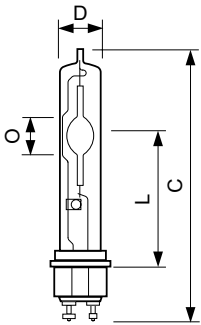
- Outdoor; floodlighting of buildings and other interesting structures. Illumination of roads and pedestrian areas, public spaces, car parks, petrol stations etc.
- Indoor; larger (high-bay) retail outlets, warehouses, manufacturing facilities etc.

MASTERColour CDM-T Elite MW

Versions



Dimensional drawing



Product	D	D	C
CDM T12 ELITE 210W/942/U/O EU	1.5 in	38 mm	193 mm
MASTERColour CDM-TMW Elite 315W/942 1CT/12	29 mm	1.1 in	28 mm 188 mm 186 mm
CDM-T Elite 315W/942 PGZ18.1CT/12	29 mm	1.1 in	28 mm 188 mm 186 mm
CDM-T Elite 315W/930 PGZ18.1CT/12	29 mm	1.1 in	28 mm 188 mm 186 mm
CDM ELITE TMW 315/930/U/O EU	1.5 in	38 mm	193 mm
MASTERColour CDM-TMW Elite 210W/942 1CT	29 mm	1.1 in	28 mm 188 mm 186 mm
MASTERColour CDM-TMW Elite 210W/942 1CT/12	29 mm	1.1 in	28 mm 188 mm 186 mm
CDM-T Elite 210W/930 PGZ18.1CT/12	29 mm	1.1 in	28 mm 188 mm 186 mm
CDM-TP MW 210W/930 PGZX18.1CT/12	1.5 in	38 mm	193 mm
CDM Elite TMW 315/942/U/O EU	1.5 in	38 mm	193 mm
MASTERColour CDM-TMW Elite 210W/930 1CT/12	29 mm	1.1 in	28 mm 188 mm 186 mm
MASTERColour CDM-TMW Elite 315W/930 1CT/12	29 mm	1.1 in	28 mm 188 mm 186 mm

Approval and Application

Energy Efficiency Label (EEL) A+

Operating and Electrical

Re-ignition Time (Min) (Max) 10 min

General Information

Life To 50% Failures (Nom) 30000 h

Operating Position UNIVERSAL

Light Technical

Correlated Color Temperature (Max) - K

Correlated Color Temperature (Min) - K

Mechanical and Housing

Bulb Finish Clear

Approval and Application

MASTERCLOUR CDM-T Elite MW

order code	Energy Consumption kWh/		Mercury (Hg) Content	
	1000 h	(Max)	Picogram Per Lumen Hour	
928601164631	346 kWh	28 mg	27.1 pg/lm.h	
928601164634	346 kWh	28 mg	27.1 pg/lm.h	
928601164731	231 kWh	24.5 mg	40.4 pg/lm.h	
928601164734	231 kWh	24.5 mg	40.4 pg/lm.h	
928601164831	346 kWh	25 mg	25 pg/lm.h	
928601164834	346 kWh	25 mg	25 pg/lm.h	

order code	Energy Consumption kWh/		Mercury (Hg) Content	
	1000 h	(Max)	Picogram Per Lumen Hour	
928601164931	231 kWh	25 mg	40.3 pg/lm.h	
928601164934	231 kWh	25 mg	40.3 pg/lm.h	
928601167031	231 kWh	24.5 mg	53 pg/lm.h	
928601167131	346 kWh	28 mg	44.4 pg/lm.h	
928601167231	231 kWh	25 mg	60.7 pg/lm.h	
928601167331	346 kWh	25 mg	39.0 pg/lm.h	

Operating and Electrical

order code	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
928601164631	115 V	90 V	100 V	315.0 W
928601164634	115 V	90 V	100 V	315.0 W
928601164731	115 V	90 V	100 V	210.0 W
928601164734	115 V	90 V	100 V	210.0 W
928601164831	115 V	85 V	100 V	315.0 W
928601164834	115 V	85 V	100 V	315.0 W

order code	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
928601164931	115 V	90 V	98 V	210.0 W
928601164934	115 V	90 V	98 V	210.0 W
928601167031	115 V	90 V	100 V	210.0 W
928601167131	115 V	90 V	100 V	315.0 W
928601167231	120 V	90 V	105 V	210.0 W
928601167331	115 V	90 V	100 V	315.0 W

General Information

order code	Bulb Shape	Cap-Base	Life To 10% Failures	Life To 5% Failures
			(Nom)	(Nom)
928601164631	TMW28	PGZ18	16000 h	12500 h
928601164634	TMW28	PGZ18	16000 h	12500 h
928601164731	TMW28	PGZ18	16000 h	12500 h
928601164734	TMW28	PGZ18	16000 h	12500 h
928601164831	TMW28	PGZ18	16000 h	12500 h
928601164834	TMW28	PGZ18	16000 h	12500 h

order code	Bulb Shape	Cap-Base	Life To 10% Failures	Life To 5% Failures
			(Nom)	(Nom)
928601164931	TMW28	PGZ18	16000 h	12500 h
928601164934	TMW28	PGZ18	16000 h	12500 h
928601167031	T12	PGZX18	12000 h	10000 h
928601167131	T12	PGZX18	12000 h	10000 h
928601167231	T12	PGZX18	12000 h	10000 h
928601167331	T12	PGZX18	12000 h	10000 h

Luminaire Design Requirements

order code	Bulb Temperature (Max)
928601164631	600 °C
928601164634	600 °C
928601164731	600 °C
928601164734	600 °C
928601164831	600 °C
928601164834	600 °C

order code	Bulb Temperature (Max)
928601164931	600 °C
928601164934	600 °C
928601167031	350 °C
928601167131	350 °C
928601167231	350 °C
928601167331	350 °C

Light Technical (1/3)

order code	Chromaticity	Chromaticity	Correlated Color		Color Rendering	Color Rendering	Lumen Maintenance 10000	
	Coordinate X (Nom)	Coordinate Y (Nom)	Color Code	Color Designation	Temperature (Nom)	Index (Min)	Index (Nom)	h (Nom)
928601164631	0.429	0.398	930	Warm White (WW)	3090 K	87	90	90 %
928601164634	0.429	0.398	930	Warm White (WW)	3090 K	87	90	90 %
928601164731	0.438	0.399	930	Warm White (WW)	2940 K	87	90	91 %
928601164734	0.438	0.399	930	Warm White (WW)	2940 K	87	90	91 %
928601164831	0.376	0.379	942	Cool White (CW)	4140 K	90	93	86 %
928601164834	0.376	0.379	942	Cool White (CW)	4140 K	90	93	86 %
928601164931	0.381	0.374	942	Cool White (CW)	3960 K	89	92	91 %
928601164934	0.381	0.374	942	Cool White (CW)	3960 K	89	92	91 %

MASTERCLOUR CDM-T Elite MW

order code	Chromaticity		Color Code	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Min)	Color Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)
	Coordinate X (Nom)	Coordinate Y (Nom)						
928601167031	0.438	0.399	930	Warm White (WW)	2940 K	87	90	84 %
928601167131	0.429	0.398	930	Warm White (WW)	3090 K	87	90	87 %
928601167231	0.381	0.374	942	Cool White (CW)	3960 K	89	92	91 %
928601167331	0.376	0.379	942	Cool White (CW)	4140 K	87	90	93 %

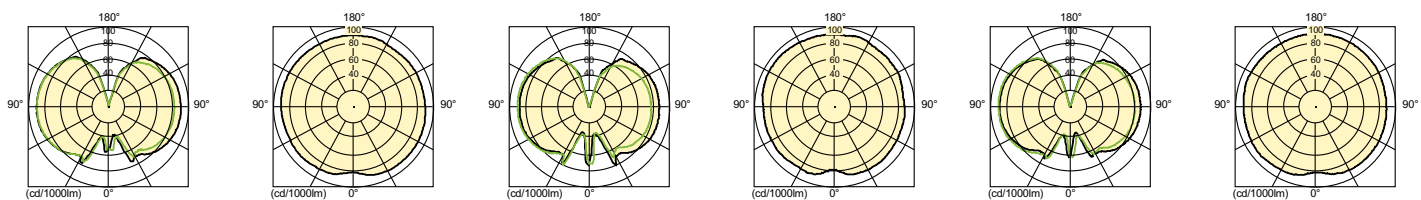
Light Technical (2/3)

order code	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)	Luminous Efficacy (rated) (Nom)	Design Mean Lumens
	928601164631	96 %	89 %	99 %	80 %	89 %	96 %	112 lm/W	120 lm/W
928601164634	96 %	89 %	99 %	80 %	89 %	96 %	112 lm/W	120 lm/W	34440 lm
928601164731	96 %	90 %	98 %	81 %	90 %	93 %	105 lm/W	115 lm/W	21735 lm
928601164734	96 %	90 %	98 %	81 %	90 %	93 %	105 lm/W	115 lm/W	21735 lm
928601164831	96 %	82 %	98 %	81 %	82 %	94 %	105 lm/W	113 lm/W	31150 lm
928601164834	96 %	82 %	98 %	81 %	82 %	94 %	105 lm/W	113 lm/W	31150 lm
928601164931	95 %	90 %	98 %	80 %	90 %	94 %	98 lm/W	108 lm/W	20470 lm
928601164934	95 %	90 %	98 %	80 %	90 %	94 %	98 lm/W	108 lm/W	20470 lm
928601167031	98 %	78 %	98 %	-	88 %	91 %	101 lm/W	111 lm/W	21600 lm
928601167131	98 %	83 %	98 %	80 %	87 %	89 %	105 lm/W	115 lm/W	31500 lm
928601167231	98 %	91 %	98 %	80 %	92 %	93 %	98 lm/W	108 lm/W	20500 lm
928601167331	97 %	91 %	97 %	80 %	95 %	96 %	99 lm/W	109 lm/W	30780 lm

Light Technical (3/3)

order code	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)	order code	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928601164631	35280 lm	38700 lm	928601164931	21000 lm	23000 lm
928601164634	35280 lm	38700 lm	928601164934	21000 lm	23000 lm
928601164731	22050 lm	24150 lm	928601167031	21200 lm	23300 lm
928601164734	22050 lm	24150 lm	928601167131	33100 lm	36200 lm
928601164831	33100 lm	35500 lm	928601167231	20600 lm	22800 lm
928601164834	33100 lm	35500 lm	928601167331	31200 lm	34300 lm

Light Distribution Diagrams



Light Distribution Diagrams

