

MASTERColour CDM-T Elite MW

MASTERColour CDM-TMW Elite 210W/942 1CT

The medium wattage lighting system that gives superior, longer-lasting white light for both indoor and outdoor use

Product data

General Information	
Cap base	PGZ18 [PGZ18]
Operating position	UNIVERSAL [Any/Universal]
Life to 5% failures (nom.)	12500 h
Life to 10% failures (nom.)	16000 h
Life to 50% failures (nom.)	30000 h
ANSI code HID	C183/E

Light Technical	
Colour code	942 [CCT of 4200K]
Luminous flux (rated) (min.)	21000 lm
Luminous flux (rated) (nom.)	23000 lm
Colour designation	Cool White (CW)
Lumen maintenance 12,000 hours (nom.)	90 %
Lumen maintenance 10,000 hours (nom.)	91 %
Lumen maintenance 2,000 hours (nom.)	98 %
Lumen maintenance 20,000 hours	80 %
Lumen maintenance – 40% life	90 %
Lumen maintenance 5,000 hours (nom.)	94 %
Lumen maintenance – 10% life	95 %
Saturated red	80
Design mean lumens	20470 lm
Chromaticity coordinate X (nom.)	0.381
Chromaticity coordinate Y (nom.)	0.374
Correlated colour temperature (max.)	- K
Correlated colour temperature (min.)	- K
Correlated colour temperature (nom.)	3960 K
Luminous efficacy (rated) (min.)	98 lm/W
Luminous efficacy (rated) (nom.)	108 lm/W
Color rendering index (min.)	89
Color rendering index (nom.)	92

Operating and Electrical	
Power (Rated) (Nom)	210.0 W
Lamp current run-up (nom.)	3.2 A
Ignition supply voltage (max.)	4000 V
Ignition peak voltage (max.)	4000 V
Ignition supply voltage (min.)	3000 V
Re-ignition time (min.) (max.)	10 min
Ignition time (max.)	180 s
Voltage (Max)	115 V
Voltage (Min)	90 V

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Voltage (Nom)	98 V

Controls and Dimming

Run-up time 90% (max.)	1.5 min

Mechanical and Housing

Bulb finish	Clear (CL)
Maximum overall length (max.)	7.4 in

Approval and Application

Energy efficiency label (EEL)	A+
Picogram per lumen hour	40.3 pg/lm.h
Mercury (Hg) content (max.)	25 mg
Energy Consumption kWh/1000 h	231 kWh

UV

PET (NIOSH) (nom.)	34.1 h/500lx
Damage factor D/fc (nom.)	0.30

Luminaire Design Requirements

Bulb temperature (max.)	600 °C
Cap base temperature (max.)	250 °C

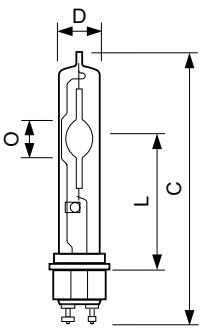
Product Data

Full product code	871829113952200
Order product name	MASTERColour CDM-TMW Elite 210W/942 1CT
EAN/UPC – product	8727900801804
Order code	13952200
Local Code	210CDMTELITE942
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928601164931
Net weight (piece)	115.000 g
ILCOS Code	MT-210/42/1A-H-PGZ18

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.

Dimensional drawing

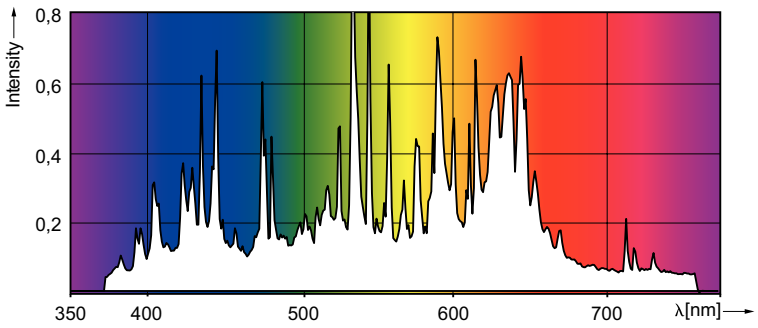


CDM TMW 210W/942 PGZ18 U

Product	D (max)	D	D	C (max)	C
MASTERColour CDM-TMW Elite 210W/942 1CT	29 mm	1.1 in	28 mm	188 mm	186 mm

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Photometric data



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