



MASTERColour CDM-T Elite MW



MASTERColour CDM-TMW Elite 315W/930 1CT

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

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.

Product data

General Information			
Cap base	PGZ18 [PGZ18]	Luminous flux (rated) (min.)	35280 lm
Operating position	UNIVERSAL [Any/Universal]	Luminous flux (rated) (nom.)	38000 lm
Life to 5% failures (nom.)	12500 h	Colour designation	Warm white (WW)
Life to 10% failures (nom.)	16000 h	Lumen maintenance 12,000 hours (nom.)	89 %
Life to 50% failures (nom.)	30000 h	Lumen maintenance 10,000 hours (nom.)	90 %
ANSI code HID	C182/E	Lumen maintenance 2,000 hours (nom.)	99 %
Features	na [Not Applicable]	Lumen maintenance 20,000 hours	80 %
	Sphere	Lumen maintenance – 40% life	89 %
		Lumen maintenance 5,000 hours (nom.)	96 %
		Lumen maintenance – 10% life	96 %
		Saturated Red	45
		Design mean lumens	33700 lm
		Chromaticity coordinate X (nom.)	0.434

MASTERColour CDM-T Elite MW

Chromaticity coordinate Y (nom.)	0.398
Correlated Colour Temperature (Nom)	3000 K
Luminous efficacy (rated) (min.)	112 lm/W
Luminous efficacy (rated) (nom.)	120 lm/W
Colour-rendering index (min.)	87
Colour rendering index (nom.)	90

Operating and Electrical

Power (Rated) (Nom)	315.9 W
Lamp current run-up (nom.)	4.7 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.)	3 s
Voltage (Max)	115 V
Voltage (Min)	90 V
Voltage (Nom)	100 V

Controls and Dimming

Dimmable	No
Run-up time 90% (max.)	1.5 min

Mechanical and Housing

Lamp Finish	Clear
Overall length (max.)	7.4 in
Bulb shape	TMW28 [TMW 28mm]

Approval and Application

Energy Efficiency Class	F
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Picogram per lumen hour	27.1 pg/lm.h
Mercury (Hg) content (max.)	28 mg
Energy consumption kWh/1,000 hours	316 kWh
	473295

UV

PET (NIOSH) (nom.)	141 h/500lx
Damage factor D/fc (nom.)	0.013

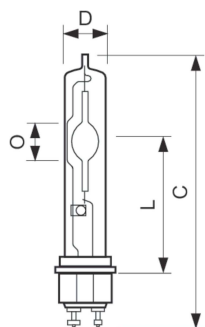
Luminaire Design Requirements

Bulb temperature (max.)	700 °C
Cap-base temperature (nom.)	250 °C
Pinch temperature (max.)	300 °C

Product Data

Full product code	871829154801000
Order product name	CDM-T Elite 315W/930 PGZ18.1CT/12
EAN/UPC – product	8718291548010
Order code	54801000
Local order code	315CDMTELITE930
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928601164631
SAP net weight (piece)	124.000 g
ILCOS code	MT-315/30/1A-H-PGZ18

Dimensional drawing

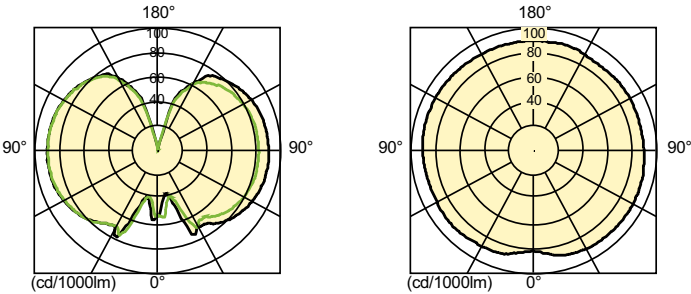


CDM TMW 315W/930 PGZ18 U

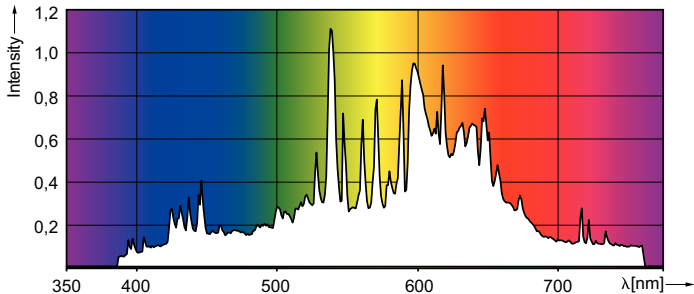
Product	D (max)	D	D	C (max)	C
CDM-T Elite 315W/930 PGZ18.1CT/12	29 mm	1.1 in	28 mm	188 mm	186 mm

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Photometric data

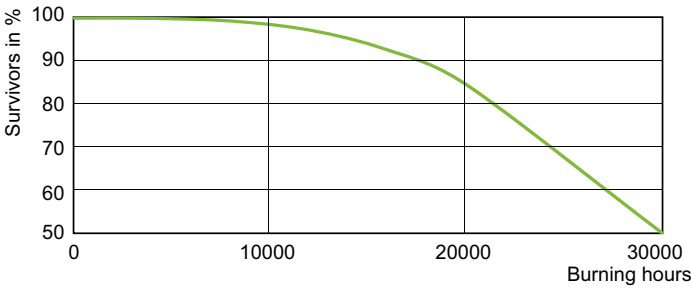


LDLD_D-CDM-T_315W_930--Light distribution diagram

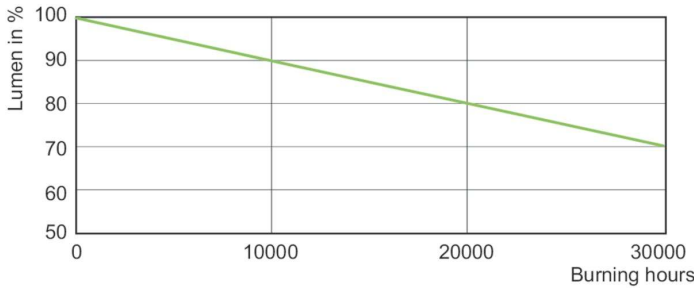


LDPO_D-CDM-T_315W_930-Spectral power distribution Colour

Lifetime



LDLE_D-CDM-T_315W_942_930-Life expectancy diagram



LDLM_D-CDM-T_0001-Lumen maintenance diagram

