



# MASTERCoulour CDM-T Elite MW

## CDM ELITE TMW 315/930/U/O EU

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                    | PGZX18. [ PGZX18.]                |
| Operating Position          | UNIVERSAL [ Any or Universal (U)] |
| Life to 5% Failures (Nom)   | 10000 h                           |
| Life To 10% Failures (Nom)  | 12000 h                           |
| Life to 50% Failures (Nom)  | 30000 h                           |
| ANSI Code HID               | C182/O                            |
| Features                    | Protected (P)                     |
| Light Technical             |                                   |
| Color Code                  | 930 [ CCT of 3000K]               |
| Luminous Flux (Rated) (Min) | 33100 lm                          |
| Luminous Flux (Rated) (Nom) | 36200 lm                          |

|                                    |                 |
|------------------------------------|-----------------|
| Color Designation                  | Warm White (WW) |
| Lumen Maintenance 12000 h (Nom)    | 83 %            |
| Lumen Maintenance 10000 h (Nom)    | 87 %            |
| Lumen Maintenance 2000 h (Nom)     | 98 %            |
| Lumen Maintenance 20000 h          | 80 %            |
| Lumen Maintenance - 40% Life       | 87 %            |
| Lumen Maintenance 5000 h (Nom)     | 89 %            |
| Lumen Maintenance - 10% Life       | 98 %            |
| Saturated Red (R9)                 | 50              |
| Design Mean Lumens                 | 31500 lm        |
| Chromaticity Coordinate X (Nom)    | 0.429           |
| Chromaticity Coordinate Y (Nom)    | 0.398           |
| Correlated Color Temperature (Max) | - K             |

## MASTERC colour CDM-T Elite MW

|                                    |          |
|------------------------------------|----------|
| Correlated Color Temperature (Min) | - K      |
| Luminous Efficacy (Rated) (Min)    | 105 lm/W |
| Luminous Efficacy (rated) (Nom)    | 115 lm/W |
| Color Rendering Index (Min)        | 87       |
| Color Rendering Index (Nom)        | 90       |

### Operating and Electrical

|                               |         |
|-------------------------------|---------|
| Power (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

|                       |         |
|-----------------------|---------|
| Run-Up Time 90% (Max) | 1.5 min |
|-----------------------|---------|

### Mechanical and Housing

|                      |        |
|----------------------|--------|
| Bulb Finish          | Clear  |
| Overall Length (Max) | 7.6 in |

### Approval and Application

|                               |    |
|-------------------------------|----|
| Energy Efficiency Label (EEL) | A+ |
|-------------------------------|----|

|                               |              |
|-------------------------------|--------------|
| Picogram Per Lumen Hour       | 44.4 pg/lm.h |
| Mercury (Hg) Content (Max)    | 28 mg        |
| Energy Consumption kWh/1000 h | 347 kWh      |

### UV

|                          |            |
|--------------------------|------------|
| Pet (Niosh) (Nom)        | 63 h/500lx |
| Damage Factor D/fc (Nom) | 0.10       |

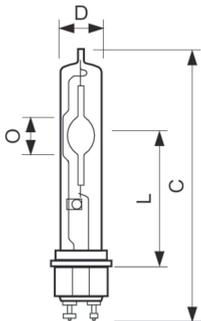
### Luminaire Design Requirements

|                            |        |
|----------------------------|--------|
| Bulb Temperature (Max)     | 550 °C |
| Cap-Base Temperature (Nom) | 250 °C |
| Pinch Temperature (Max)    | 300 °C |

### Product Data

|                                 |                              |
|---------------------------------|------------------------------|
| Full product code               | 871829113956000              |
| Order product name              | CDM ELITE TMW 315/930/U/O EU |
| EAN/UPC - Product               | 8727900862133                |
| Order code                      | 928601167131                 |
| Numerator - Quantity Per Pack   | 1                            |
| Numerator - Packs per outer box | 12                           |
| Material Nr. (12NC)             | 928601167131                 |
| Net Weight (Piece)              | 200.000 g                    |
| ILCOS Code                      | MTS-315/30/1A-H-PGZX18       |

## Dimensional drawing

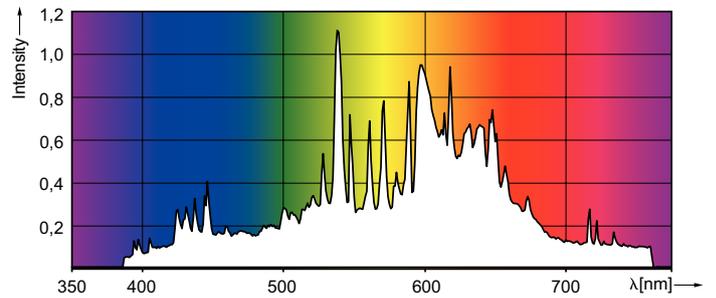
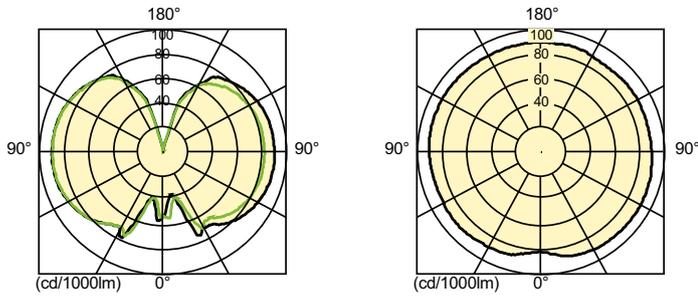


CDM TMW 315W/930 PGZX18. U P

| Product                      | D      | D     | C      |
|------------------------------|--------|-------|--------|
| CDM ELITE TMW 315/930/U/O EU | 1.5 in | 38 mm | 193 mm |

# MASTERColour CDM-T Elite MW

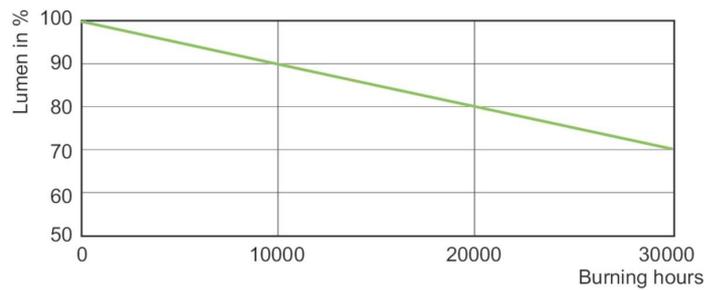
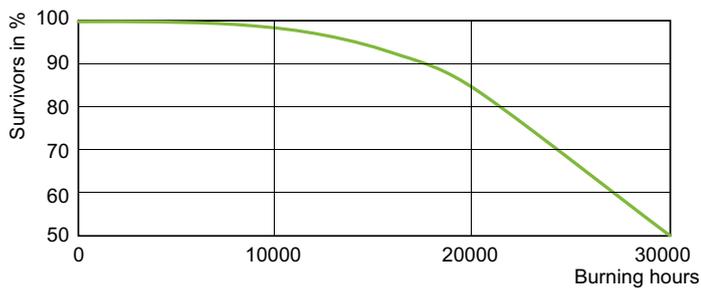
## Photometric data



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

