



# MASTERColour CDM-T

## MASTERColour CDM-T 250W/942 G12 1CT/12

Range of single-ended, compact, high-efficiency, discharge lamps with a stable colour over lifetime and a crisp, sparkling light

### Product data

General Information	
Cap base	G12 [ G12]
Operating position	UNIVERSAL [ Any/Universal]
Life to 5% failures (nom.)	3500 h
Life to 10% failures (nom.)	10000 h
Life to 20% failures (nom.)	12000 h
Life to 50% failures (nom.)	15000 h
ANSI code HID	-

Light Technical	
Colour code	942 [ CCT of 4,200 K]
Luminous flux (rated) (min.)	23400 lm
Luminous flux (rated) (nom.)	26000 lm
Colour designation	Cool White (CW)
Lumen maintenance 10,000 hours (nom.)	86 %
Lumen maintenance 2,000 hours (nom.)	98 %
Lumen maintenance 5,000 hours (nom.)	94 %
Chromaticity coordinate X (nom.)	0.376
Chromaticity coordinate Y (nom.)	0.368
Correlated Colour Temperature (Nom)	4200 K
Luminous efficacy (rated) (nom.)	105 lm/W
Color rendering index (nom.)	91

Ratio Scotopic/Photopic Lumens	1.75
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Operating and Electrical	
Power (Rated) (Nom)	247 W
Lamp current run-up (max.)	6 A
Lamp current (EM) (nom.)	3.04 A
Ignition supply voltage (max.)	198 V
Ignition peak voltage (max.)	5000 V
Ignition supply voltage (min.)	198 V
Ignition peak voltage (min.)	3500 V
Re-ignition time (min.) (max.)	15 min
Ignition time (max.)	30 s
Voltage (Max)	104 V
Voltage (Min)	84 V
Voltage (Nom)	93 V

Controls and Dimming	
Dimmable	no
Run-up time 90% (max.)	3 min

# MASTERCcolour CDM-T

## Mechanical and Housing

Bulb finish Clear

## Approval and Application

Energy efficiency label (EEL) A+  
 Mercury (Hg) content (nom.) 20.0 mg  
 Energy Consumption kWh/1000 h 272 kWh

## UV

PET (NIOSH) (min.) 8 h/500lx  
 Damage factor D/fc (nom.) 0.28

## Luminaire Design Requirements

Bulb temperature (max.) 700 °C  
 Cap base temperature (max.) 280 °C

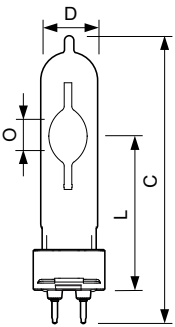
Pinch temperature (max.) 350 °C

## Product Data

Full product code 871150021112515  
 Order product name MASTERCcolour CDM-T 250W/942 G12 1CT/12  
 EAN/UPC – product 8711500211125  
 Order code 21112515  
 Local Code 250CDMT942  
 Numerator – quantity per pack 1  
 Numerator – packs per outer box 12  
 Material no. (12NC) 928094205131  
 Net weight (piece) 0.039 kg  
 ILCOS Code MT/UB-250/942-H-G12-25/135

## Warnings and Safety

### Dimensional drawing

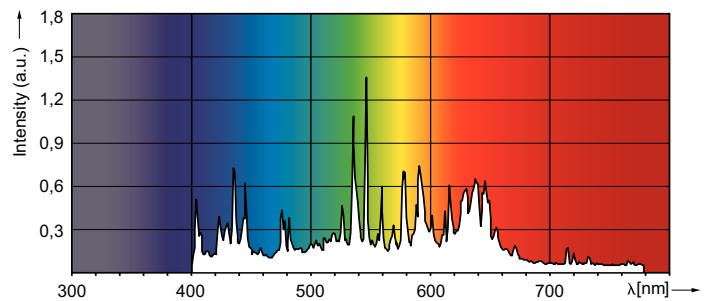
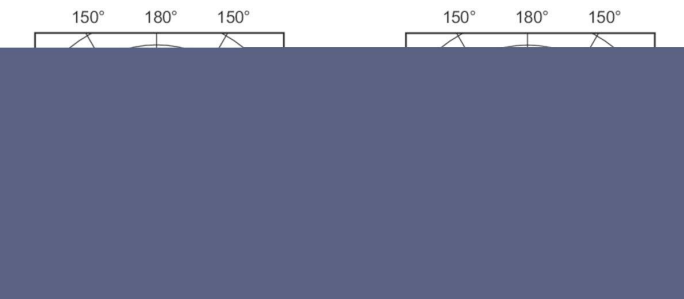


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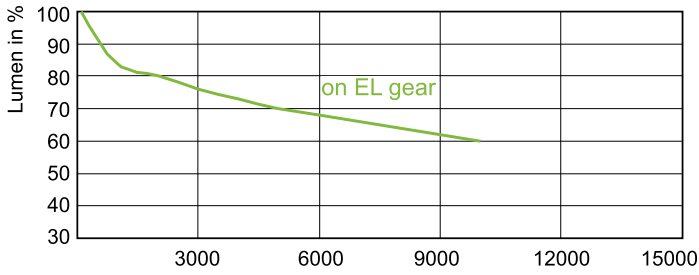
## Photometric data



LDPO\_CDM-T\_250W\_942-Spectral power distribution Colour

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## Lifetime



LDLM\_CDM-T\_250W\_942-Lumen maintenance diagram

