



# MASTERColour CDM-T Elite

## MASTERColour CDM-T Elite 70W/942 G12 1CT

Single-ended, high-efficiency Ceramic Metal Halide discharge lamp

### Product data

General Information	
Cap base	G12 [ G12]
Operating position	UNIVERSAL [ Any/Universal]
Life to 5% failures (nom.)	9000 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	C139/E

Light Technical	
Colour code	942 [ CCT of 4,200 K]
Luminous flux (rated) (nom.)	7500 lm
Colour designation	Cool White (CW)
Lumen maintenance 1,000 hours (nom.)	91 %
Lumen maintenance 12,000 hours (nom.)	79 %
Lumen maintenance 10,000 hours (nom.)	80 %
Lumen maintenance 2,000 hours (nom.)	88 %
Lumen maintenance 4,000 hours (nom.)	85 %
Lumen maintenance 5,000 hours (nom.)	84 %
Chromaticity coordinate X (nom.)	0.362
Chromaticity coordinate Y (nom.)	0.363
Correlated colour temperature (nom.)	4200 K
Luminous efficacy (rated) (nom.)	100 lm/W

Color rendering index (min.)	88
Color rendering index (nom.)	91

Operating and Electrical	
Power (Rated) (Nom)	73 W
Lamp current (EM) (nom.)	0.97 A
Ignition supply voltage (min.)	198 V
Re-ignition time (min.) (max.)	15 min
Ignition time (max.)	30 s
Voltage (Max)	93 V
Voltage (Min)	81 V
Voltage (Nom)	87 V

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

Mechanical and Housing	
Bulb finish	Clear

Approval and Application	
Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	6.6 mg

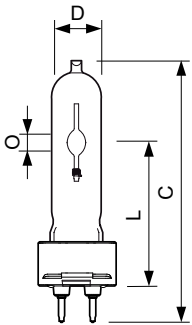
# MASTERCLOUR CDM-T Elite

Energy Consumption kWh/1000 h	80 kWh
<b>UV</b>	
PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.4
<b>Luminaire Design Requirements</b>	
Bulb temperature (max.)	500 °C
Cap base temperature (max.)	250 °C
Pinch temperature (max.)	350 °C
<b>Product Data</b>	
Full product code	871829116362600

Order product name	MASTERCLOUR CDM-T Elite 70W/942 G12 ICT
EAN/UPC – product	8718291163626
Order code	16362600
Local Code	70CDMTElite942
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (I2NC)	928193705131
Net weight (piece)	0.028 kg
ILCOS Code	MT/UB-70/942-H-G12-20/90

## Warnings and Safety

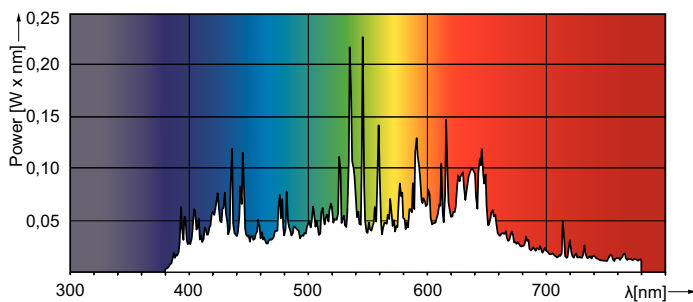
### Dimensional drawing



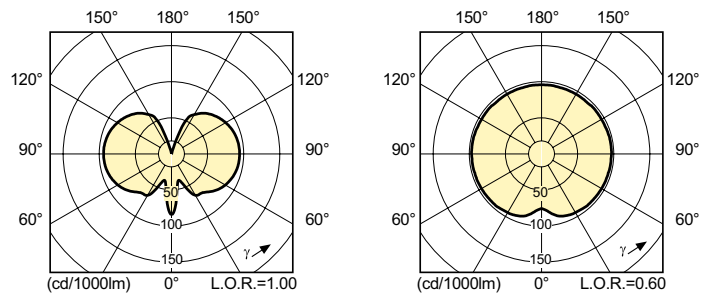
CDM-T Elite 70W/942 G12

Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERCLOUR CDM-T Elite 70W/942 G12 ICT	20 mm	7.75 mm	55 mm	57 mm	56 mm	103 mm

### Photometric data



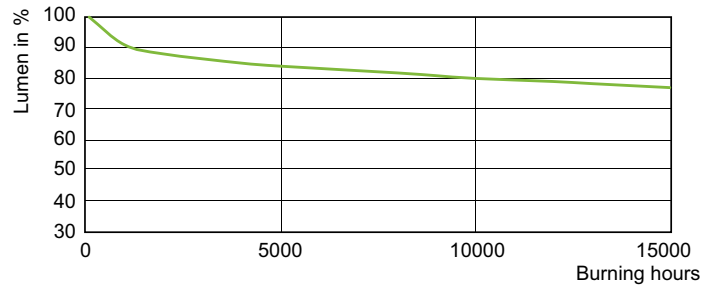
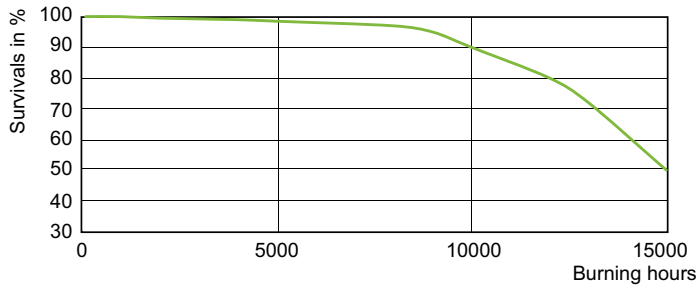
LDPO\_CDM-T-E\_0005-Spectral power distribution Colour



LDLD\_CDM-T-E\_0011-Light distribution diagram

# MASTERCcolour CDM-T Elite

## Lifetime



LDLE\_CDM-T-E\_0011-Life expectancy diagram

LDLM\_CDM-T-E\_0011-Lumen maintenance diagram

