



# MasterColor CDM-T Elite Med Wattage

## CDM T12 ELITE 315W/942/U/O GAV

The Philips MasterColor Elite MW system offers an unrivalled level of light quality and performance. The lamp's sparkling white light creates a natural ambience and really brings out the best in all different types of colors. In addition, the high efficiency of the lamp and ballast together means reduced energy use and a lower cost of ownership compared to a 400W Metal Halide HID system

### Warnings and Safety

• R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

### Product data

General Information	
Cap-Base	PGZX18. [ PGZX18.]
Operating Position	UNIVERSAL [ Any or Universal (U)]
Main Application	-
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	942 [ CCT of 4200K]
Luminous Flux (Rated) (Min)	31200 lm

Luminous Flux (Rated) (Nom)	34300 lm
Color Designation	Cool White (CW)
Lumen Maintenance 12000 h (Nom)	91 %
Lumen Maintenance 10000 h (Nom)	93 %
Lumen Maintenance 2000 h (Nom)	97 %
Lumen Maintenance 20000 h	80 %
Lumen Maintenance - 40% Life	95 %
Lumen Maintenance 5000 h (Nom)	96 %
Lumen Maintenance - 10% Life	97 %
Saturated Red (R9)	50
Design Mean Lumens	28050 lm
Chromaticity Coordinate X (Nom)	0.373
Chromaticity Coordinate Y (Nom)	0.371

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Correlated Color Temperature (Max)	4400 K
Correlated Color Temperature (Min)	4000 K
Correlated Color Temperature (Nom)	4200 K
Luminous Efficacy (Rated) (Min)	99 lm/W
Luminous Efficacy (rated) (Nom)	109 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)	3 min
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## Mechanical and Housing

Bulb Finish	Clear
Overall Length (Max)	7.6 in

## Approval and Application

Energy Efficiency Label (EEL)	A+
Picogram Per Lumen Hour	39.0 pg/lm.h
Mercury (Hg) Content (Max)	25 mg
Energy Consumption kWh/1000 h	347 kWh

## UV

Pet (Niosh) (Nom)	26 h/500lx
Damage Factor D/fc (Nom)	0.20

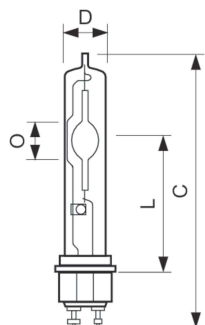
## Luminaire Design Requirements

Bulb Temperature (Max)	350 °C
Cap-Base Temperature (Nom)	250 °C
Pinch Temperature (Max)	300 °C

## Product Data

Full product code	871869959213400
Order product name	CDM T12 ELITE 315W/942/U/O GAV
EAN/UPC - Product	8718699592134
Order code	928493300031
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928493300031
Net Weight (Piece)	0.200 kg

## Dimensional drawing

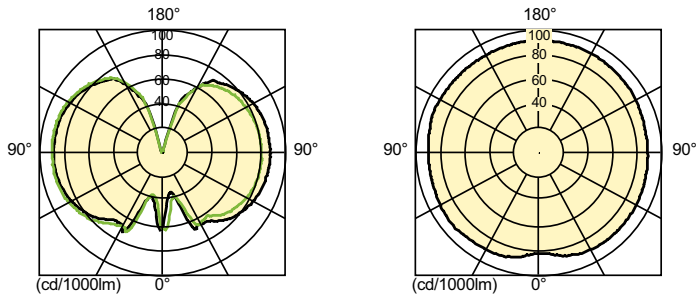


CDM TMW 315W/942 PGZX18. U P

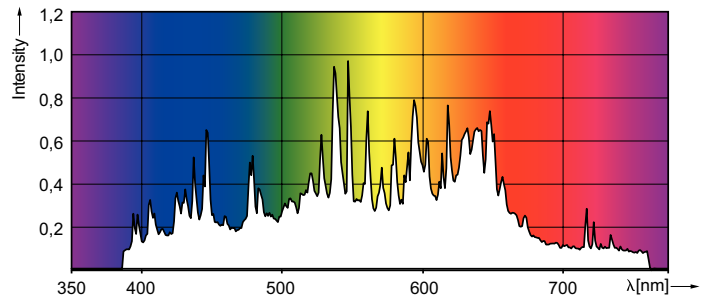
Product	D	D	C
CDM T12 ELITE 315W/942/U/O GAV	1.5 in	38 mm	193 mm

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## Photometric data

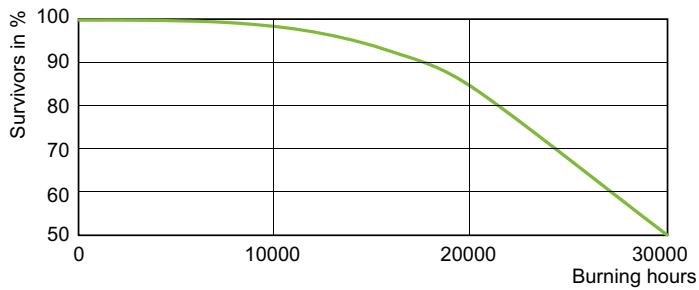


LDLD\_D-CDM-T\_315W\_942-Light distribution diagram

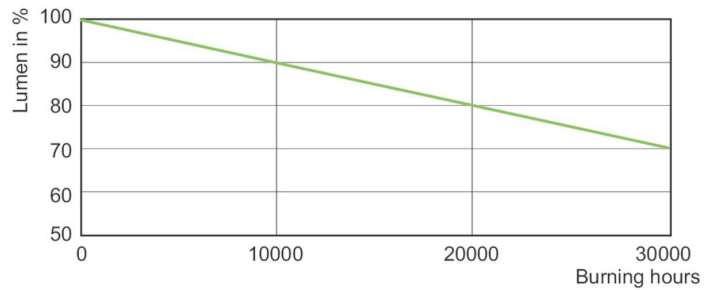


LDPO\_D-CDM-T\_315W\_942-Spectral power distribution Colour

## Lifetime



LDLE\_D-CDM-T\_315W\_942\_930-Life expectancy diagram



LDLM\_D-CDM-T\_0001-Lumen maintenance diagram

