MasterColor CDM-T Elite Med Wattage

CDM-T Elite 315W/942 PGZ18.1CT/12

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)
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Product data

General Information	
Cap-Base	PGZ18 [PGZ18]
Operating Position	UNIVERSAL [Any or Universal (U)]
Features	na [Not Applicable]
Flux measurement reference	Sphere
Life to 50% Failures (Nom)	30,000 hour(s)

Light Technical	
Color Code	942 [CCT of 4200K]
Luminous Flux	35,500 lm
Color Designation	Cool White (CW)
Saturated Red (R9)	80
Chromaticity Coordinate X (Nom)	0.371
Chromaticity Coordinate Y (Nom)	0.366
Correlated Color Temperature (Nom)	4200 K

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Luminous Efficacy (Rated) (Min)	105 lm/W
Luminous Efficacy (rated) (Nom)	112 lm/W
Color rendering index (CRI)	93
Arc Length O (Nom)	14 mm

Operating and Electrical

Power Consumption	315.9 W
Voltage (Nom)	100 V
Voltage (Nom)	100 V

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	TMW28 [TMW 28mm]

Approval and Application

Energy Efficiency Class	F

|	
Mercury (Hg) Content (Max)	25 mg
Energy Consumption kWh/1000 h	316 kWh
EPREL Registration Number	473297

Product Data

Order product name	CDM-T Elite 315W/942 PGZ18.1CT/12
Full product name	CDM-T Elite 315W/942 PGZ18.1CT/12
Full product code	871829154803400
Order code	928601164831
Material Nr. (12NC)	928601164831
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718291548034
Numerator – Packs per outer box	12
EAN/UPC – Case	8718291548041

Dimensional drawing
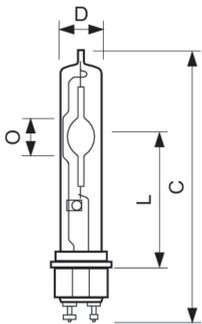
| Product	D (max)	D	D	C (max)	C
CDM-T Elite 315W/942 PGZ18.1CT/12	29 mm	1.1 inch	28 mm	188 mm	186 mm

Photometric data
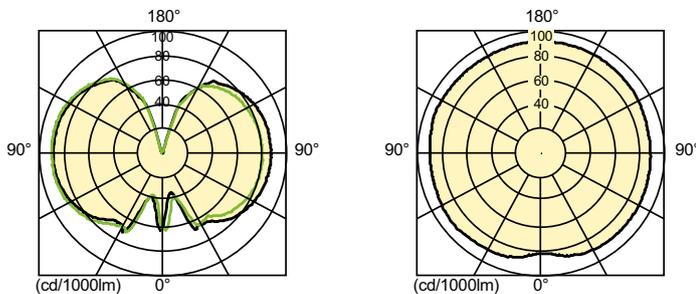
Light Distribution Diagram – CDM-T Elite 315W/942 PGZ18.1CT/12
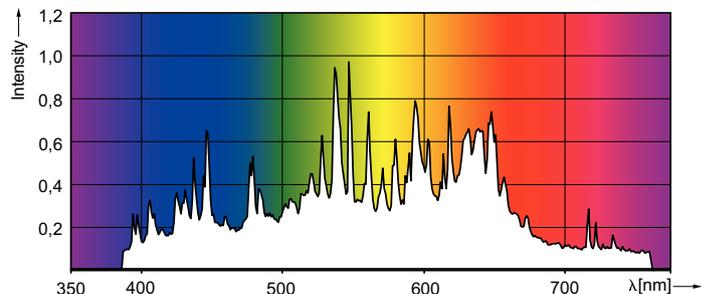
Spectral Power Distribution Colour – CDM-T Elite 315W/942 PGZ18.1CT/12

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Lifetime
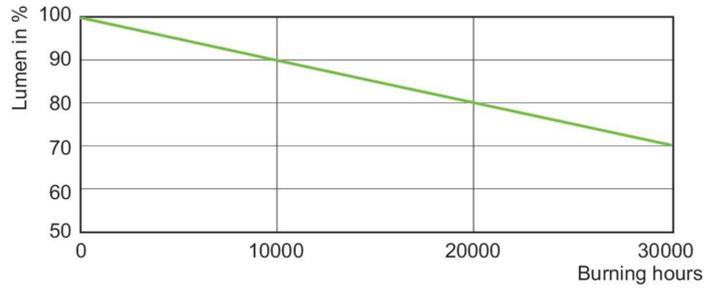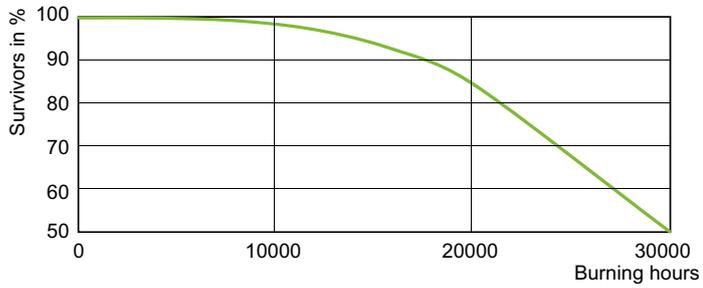
Life Expectancy Diagram – CDM-T Elite 315W/942 PGZ18.1CT/12

Lumen Maintenance Diagram – CDM-T Elite 315W/942 PGZ18.1CT/12

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2023, April 14 – data subject to change