



The next generation of white light

MasterColor CDM-T Elite Med Wattage

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.

Benefits

- Excellent color rendering of 90+ CRI.
- Philips “Green Flagship Product” - Low mercury, no lead.
- New socket design provides higher optical efficiency.

Features

- Significant upgrade opportunity over traditional HID systems.
- Viable alternative to fluorescent options.
- Excellent color quality and consistent light output from beginning to end.
- Being 50% smaller than traditional metal halide lamps, MasterColor CDM Elite MW gives freedom in optic and luminaire design.
- Sparkling properties of white light create a more natural and inviting ambience.
- 210 & 315 Watt, 3000 & 4200 color versions. Each powered by a Philips Advance e-Vision electronic ballast.

Application

- Ideal for architectural facade lighting, illumination of pedestrian areas, indoor retail outlets, warehouses, manufacturing facilities.

PHILIPS

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)

Related products

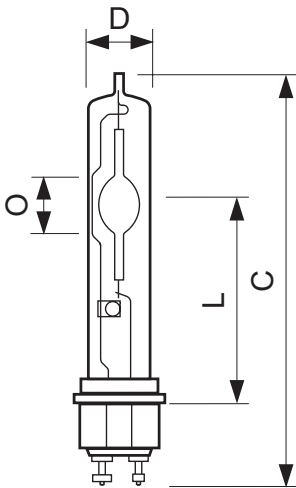


PGZX18., T12, Clear, Protected



PGZ18, T9 (TMW28), Clear

Dimensional drawing



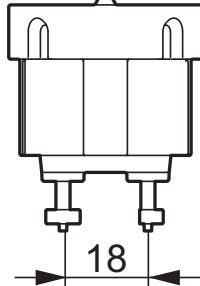
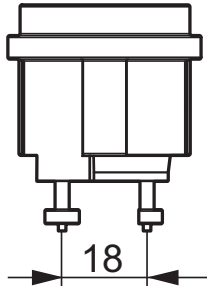
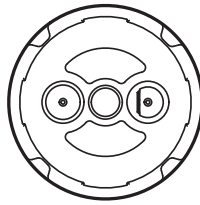
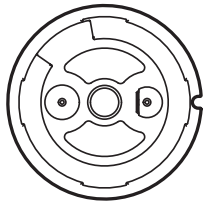
MasterColor CDM-T Elite 315W/930 T9 1CT

Product	C (Norm)	C (Max)	D (Norm)	D (Max)
CDM TMW 315W/930 PGZ18 U	186	188	28	29
CDM TMW 210W/930 PGZ18 U	186	188	28	29
CDM TMW 210W/930 PGZX18, U P	193	-	38	-
CDM TMW 315W/930 PGZX18, U P	193	-	38	-
CDM TMW 210W/942 PGZX18, U P	193	-	38	-
CDM TMW 315W/942 PGZX18, U P	193	-	38	-

General Characteristics

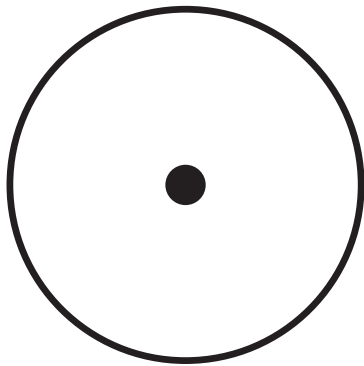
Product number	Full product name	Base	Bulb	Bulb Finish	Operating Position	Life to 5% failures EL	Life to 10% failures EL	Avg. Hrs. Life
238063	-	PGZX18,	T12	Clear	Universal	hr	hr	21000 hr
238071	-	PGZX18,	T12	Clear	Universal	hr	hr	20000 hr
238089	-	PGZX18,	T12	Clear	Universal	hr	12000 hr	20000 hr
238097	-	PGZX18,	T12	Clear	Universal	hr	hr	20000 hr
218313	MasterColor CDM-T Elite 315W/930 T9 1CT	PGZ18	T-9	Clear	Universal	hr	16000 hr	30000 hr
220624	MasterColor CDM-T Elite 210W/930 T9 1CT	PGZ18	T-9	Clear	Universal	9623 hr	14000 hr	27000 hr

Installation diagrams



PGZ18

PGZX18.

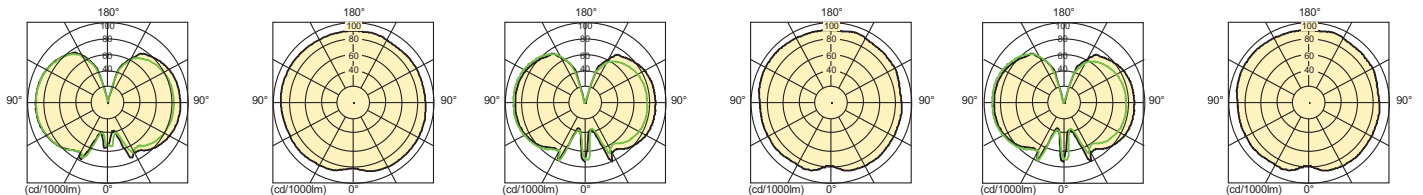


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Light Technical Characteristics

Product number	Full product name	Color Code	Color Rendering Index	Color Designation	Color Temperature	Initial Lumens	Luminous Efficacy Lamp EL	Lumen Maintenance EL 10000h	Chromaticity Coordinate X	Chromaticity Coordinate Y
238063	-	930	85 (min), 90 (nom) Ra8	Warm White	2950 K	23300 Lm	111 Lm/W	%	0.438 -	0.399 -
238071	-	930	85 (min), 90 (nom) Ra8	Warm White	3100 K	36200 Lm	115 Lm/W	87 %	0.429 -	0.398 -
238089	-	942	85 (min), 92 (nom) Ra8	Cool White	4040 K	22800 Lm	108 Lm/W	%	.375 -	.366 -
238097	-	942	85 (min), 90 (nom) Ra8	Cool White	4200 K	34300 Lm	109 Lm/W	%	0.373 -	0.371 -
218313	MasterColor CDM-T Elite 315W/930 T9 1CT	930	87 (min), 90 (nom) Ra8	Warm White	3100 K	38700 Lm	120 Lm/W	%	0.429 -	0.399 -
220624	MasterColor CDM-T Elite 210W/930 T9 1CT	930	85 (min), 90 (nom) Ra8	Warm White	2950 K	24150 Lm	115 Lm/W	%	0.438 -	0.399 -

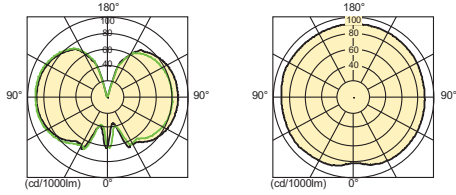
Light technical



CDM-T Elite MW 315W /930

CDM-T Elite MW 210W /930

CDM-T Elite MW 210W /942



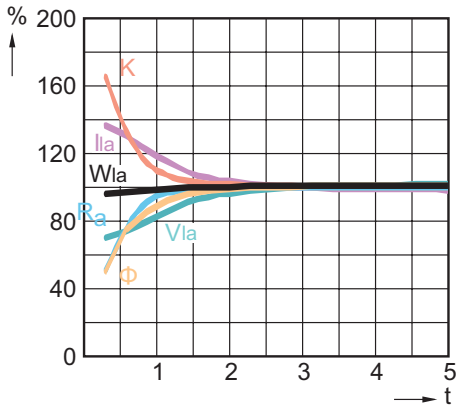
CDM-T Elite MW 315W /942

Electrical Characteristics

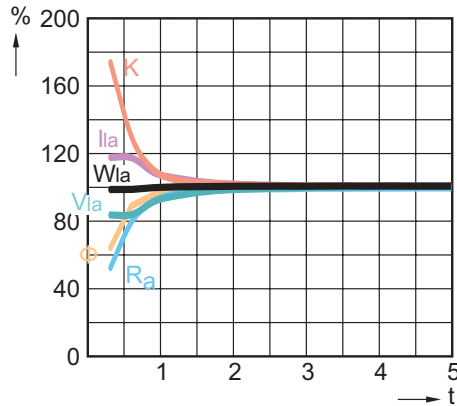
Product number	Full product name	Watts	Lamp Wattage EL	Lamp Voltage	Lamp Current EL
238063	-	210 W	210 W	100 V	2.1 A
238071	-	315 W	315 W	100 V	3.15 A
238089	-	210 W	210 W	105 V	2.0 A
238097	-	315 W	315 W	100 V	3.15 A

Product number	Full product name	Watts	Lamp Wattage EL	Lamp Voltage	Lamp Current EL
218313	MasterColor CDM-T Elite 315W/930 T9 1CT	315 W	315 W	100 V	3.15 A
220624	MasterColor CDM-T Elite 210W/930 T9 1CT	210 W	210 W	100 V	2.1 A

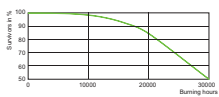
Performance diagrams



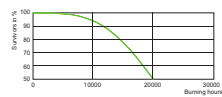
CDM-T Elite MW 315W, /930, /942



CDM-T Elite MW 210W

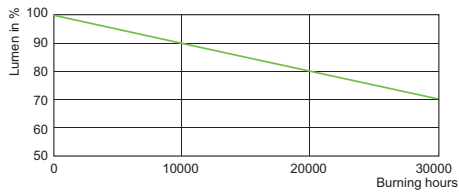


CDM-T Elite MW
315W /930, /942



CDM-T Elite MW
210W

Performance diagrams



CDM-T Elite MW 210W, 315W, /930, /942

Environmental Characteristics

Product number	Full product name	Mercury (Hg) Content
238063	-	24.5 (max) mg
238071	-	28 (max) mg
238089	-	25 (max) mg
238097	-	24 (max) mg
218313	MasterColor CDM-T Elite 315W/930 T9 1CT	28 (max) mg
220624	MasterColor CDM-T Elite 210W/930 T9 1CT	24.5 (max) mg

Luminaire Design Requirements

Product number	Full product name	Cap-Base Temperature	Bulb Temperature
238063	-	250 C	350 (max) C
238071	-	250 C	350 (max) C
238089	-	250 (max) C	350 (max) C
238097	-	250 C	350 (max) C
218313	MasterColor CDM-T Elite 315W/930 T9 1CT	250 C	600 (max) C
220624	MasterColor CDM-T Elite 210W/930 T9 1CT	250 C	600 (max) C