



MasterColor CDM-T Elite Med Wattage

MasterColor CDM-T Elite 210W/942 T12 P 1CT

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.

Product data

• General Characteristics

Base	PGZX18.
Bulb	T12 [38 mm]
Bulb Finish	Clear
Operating Position	Universal [Any or Universal (U)]
Life to 5% failures EL	12600 hr
Life to 10% failures EL	12000 hr
Avg. Hrs. Life	20000 hr

• Light Technical Characteristics

Color Code	942 [CCT of 4200K]
Color Rendering Index	85 (min), 92 (nom) Ra8
Color Designation	Cool White
Color Temperature	4040 K
Color Temperature technical	3840 (min), 4040 (nom), 4240 (max) K
Initial Lumens	22800 Lm
Luminous Efficacy Lamp EL	108 Lm/W
Lumen Maintenance 2000h	98 %
Lumen Maintenance 5000h	93 %
Lumen Maintenance 8000h	92 %
Lumen Maintenance EL 10000h	91 %
Lumen Maintenance 12000h	91 %
Lumen Maintenance 20000h	80 %
Lumen Maintenance - 10% life	98 %

Lumen Maintenance - 40% life	92 %
Design Mean Lumens	20500 Lm
Chromaticity Coordinate X	.375 -
Chromaticity Coordinate Y	.366 -

• Electrical Characteristics

Watts	210 W
Lamp Wattage EL 25°C, Rated	210.0 W
Lamp Wattage EL 25°C, Nominal	210.0 W
Lamp Voltage	105 V
Lamp Current EL	2.0 A
Lamp Current Run-Up	3.2 A
Ignition Time	3 (max) s
Run-up time 90%	1.5 (max) min
Re-ignition Time [min]	10 (max) min

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	25 (max) mg
Picogram per Lumen Hour	60.7 p/LuHr
Energy consumption kWh/1000h	231 kWh

PHILIPS

MasterColor CDM-T Elite Med Wattage

• UV-related Characteristics

Damage Factor D/fc	0.20 -
PET (NIOSH)	171.5 h500lx
UV A	5.49 mW/cm2
UV B	0.05 mW/cm2
UV C	.09 mW/cm2

• Luminaire Design Requirements

Cap-Base Temperature	250 (max) C
Pinch Temperature	300 (max) C
Bulb Temperature	350 (max) C

• Product Dimensions

Overall Length C	193 mm
Diameter D	38 mm
Light Center Length L	88 (min), 90 (nom), 92 (max) mm

Maximum Overall Length [inch]	7.6 (max) in
Light Center Length L	3.54 in
Diameter D	1.5 in

• Product Data

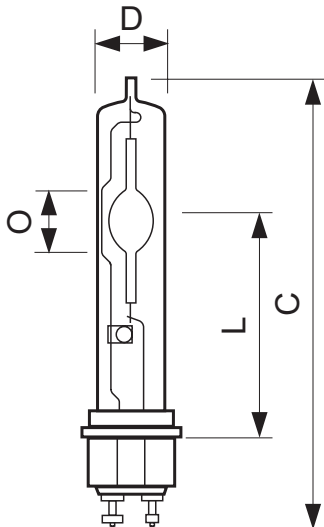
Product number	238089
Full product name	MasterColor CDM-T Elite 210W/942 T12 P 1CT
Short product name	CDM T12 ELITE 210W/942/U/O NA
Pieces per Sku	1
eop_pck_cfg	12
Skus/Case	12
Bar code on pack	46677238087
Bar code on case	50046677238082
Logistics code(s)	928601167202
tpd_ilcos_cd	MTS-210/42/1A-H-PGZX18
eop_net_weight_pp	0.001 kg

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)

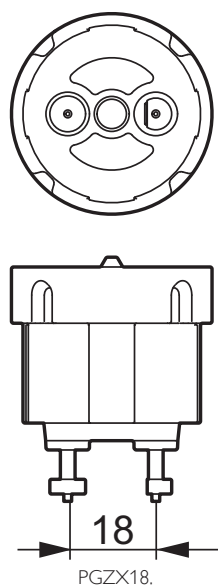
Dimensional drawing



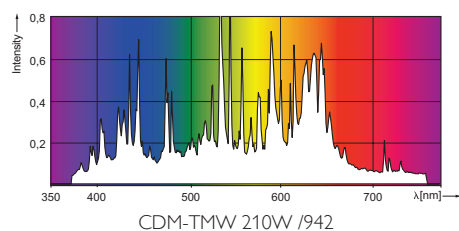
MasterColor CDM-T Elite 210W/942 T12 P 1CT

Product	C (Norm)	C (Max)	D (Norm)	D (Max)
CDM TMW 210W/942 PGZX18. U P	193	-	38	-

Dimensional drawing



Photometric data



© 2014 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2014, March 11
data subject to change