



MASTERColour CDM-T Elite MW

MASTERColour CDM-TMW Elite 315W/942 1CT

MASTERColour CDM Elite MW - the medium wattage lighting system that gives superior, longer-lasting white light for both indoor and outdoor use.

Product data

• General Characteristics

Cap-Base	PGZ18
Bulb	TMW28 [TMW 28mm]
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
Life to 50% failures EL	22000 hr
Life to 5% failures EL	9300 hr
Life to 10% failures EL	12000 hr

• Electrical Characteristics

Lamp Wattage	315 W
Lamp Wattage EL	315 W
Lamp Voltage	100 V
Lamp Current EL	3.15 A
Lamp Current Run-Up	4.7 A
Ignition Time	3 (max) s
Run-up time 90%	3 (max) min
Re-ignition Time [min]	10 (max) min

• Environmental Characteristics

Mercury (Hg) Content	24 (max) mg
Picogram per Lumen Hour	25 p/LuHr

• Light Technical Characteristics

Color Code	942 [CCT of 4200K]
Color Rendering Index	85 (min), 90 (nom) Ra8

Color Designation (text)	Cool White
Color Temperature	4200 K
Color Temperature Technical	4200 K
Chromaticity Coordinate X	0.373 -
Chromaticity Coordinate Y	0.371 -
Luminous Flux Lamp EL	36200 Lm
Luminous Efficacy Lamp EL	115 Lm/W
Lumen Maintenance 2000h	96 %
Lumen Maintenance 5000h	93 %
Design Mean Lumens	32600 Lm
Lumen Maintenance - 40% life	90 %
Lumen Maintenance - 10% life	96 %
Lumen Maintenance 12000h	87 %
Lumen Maintenance 8000h	91 %
Lumen Maintenance 20000h	80 %

• UV-related Characteristics

Damage Factor D/fc PET (NIOSH)	0.242 -
UV A	49.7 h500lx
UV B	7.76 mW/cm ²
UV C	0.01 mW/cm ²
	0.06 mW/cm ²

PHILIPS

sense and simplicity

MASTERColour CDM-T Elite MW

• Product Dimensions

Overall Length C	186 (nom), 188 (max) mm
Diameter D	28 (nom), 29 (max) mm
Light Center Length L	88 (min), 90 (nom), 92 (max) mm
Arc Length O	14 mm
Maximum Overall Length [inch]	7.44 (max) in
Light Center Length L [inch]	3.54 in
Diameter [inch]- D	1.1 in

• Luminaire Design Requirements

Cap-Base Temperature	250 C
Pinch Temperature	300 (max) C
Bulb Temperature	600 (max) C

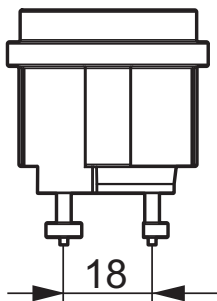
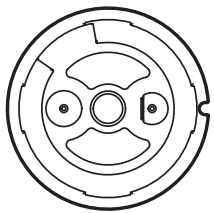
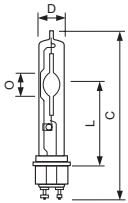
• Product Data

Order code	928601164830
Full product code	928601164830
Full product name	MASTERColour CDM-TMW Elite 315W/942 1CT
Order product name	MASTERC CDM-TMW Elite 315W/942 1CT
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8727900801781
Bar code on outerbox - EAN3	8727900801798
Logistic code(s) - 12NC	928601164830
ILCOS code	MT-315/42/1A-H-PGZ18
Net weight per piece	143.170 gr

Warnings and Safety

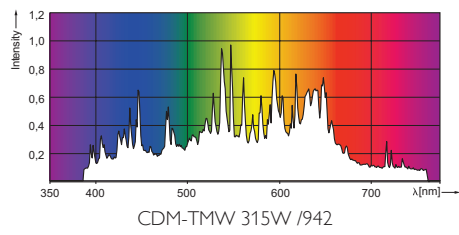
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Use only with electronic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)

Dimensional drawing



Product	C (Norm)	C (Max)	D (Norm)	D (Max)
CDM TMW 315W/942 PGZ18 U	186	188	28	29

Photometric data



© 2011 Koninklijke Philips Electronics N.V.
All rights reserved.

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

www.philips.com/lighting

2011, July 16
data subject to change