PHILIPS Lighting



MASTERColour CDM-TC Fresh

MASTERColour CDM-TC Fresh 70W/740 G8.5

Single-ended, high-efficiency Ceramic Metal Halide discharge lamp with special color enhancement properties

Product data

General Information		Color Rendering Index
Cap-Base	G8.5 [G8.5]	
Operating Position	UNIVERSAL [Any or Universal (U)]	Operating and Elect
Life to 5% Failures (Nom)	9000 h	Power (Rated) (Nom)
Life To 10% Failures (Nom)	10000 h	Lamp Current Run-Up (
Life to 20% Failures (Nom)	12000 h	Ignition Supply Voltage
Life to 50% Failures (Nom)	15000 h	Ignition Peak Voltage (
ANSI Code HID	-	Ignition Supply Voltage
		Re-Ignition Time (Min)
Light Technical		Ignition Time (Max)
Color Code	740 [CCT of 4000K]	Voltage (Max)
Luminous Flux (Rated) (Min)	5300 lm	Voltage (Min)
Luminous Flux (Rated) (Nom)	6000 lm	Voltage (Nom)
Color Designation	Cool White (CW)	
Lumen Maintenance 12000 h (Nom)	79 %	Controls and Dimmi
Lumen Maintenance 2000 h (Nom)	92 %	Dimmable
Chromaticity Coordinate X (Nom)	0.386	Run-Up Time 90% (Ma
Chromaticity Coordinate Y (Nom)	0.385	
Correlated Color Temperature (Nom)	4000 K	Mechanical and Ho
Luminous Efficacy (rated) (Nom)	82 lm/W	Bulb Finish
Color Rendering Index (Min)	67	

Color Rendering Index (Nom)	70
Operating and Electrical	
Power (Rated) (Nom)	73.0 W
Lamp Current Run-Up (Max)	2 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	5000 V
Ignition Supply Voltage (Min)	198 V
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	90 V
Voltage (Min)	78 V
Voltage (Nom)	83 V
Controls and Dimming	
Dimmable	No
Run-Up Time 90% (Max)	3 min
Mechanical and Housing	
Bulb Finish	Clear

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Approval and Application		
Energy Efficiency Label (EEL)	A	
Mercury (Hg) Content (Nom)	6 mg	
Energy Consumption kWh/1000 h	80 kWh	
UV		
Pet (Niosh) (Min)	8 h/500lx	
Damage Factor D/fc (Max)	0.4	
Luminaire Design Requirements		
Bulb Temperature (Max)	550 ℃	
Pinch Temperature (Max)	300 °C	

Product Data	
Full product code	871829116329900
Order product name	MASTERColour CDM-TC Fresh 70W/740 G8.5
EAN/UPC - Product	8718291163299
Order code	928196705131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928196705131
Net Weight (Piece)	0.010 kg
ILCOS Code	MT/UB-70/740-H-G8.5-17/85

Warnings and Safety

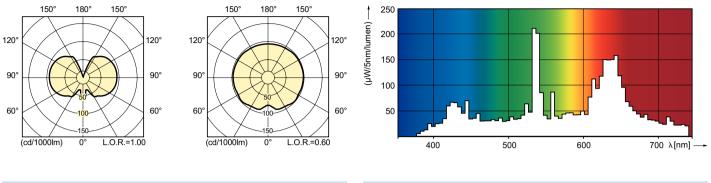
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- \cdot The luminaire must be able to contain hot lamp parts if the lamp ruptures
- \cdot Use only with electronic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Dimensional drawing



MASTERColour CDM-TC Fresh

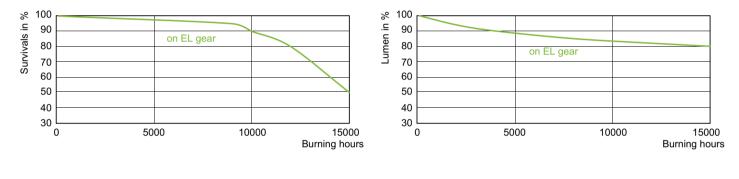
Photometric data



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Lifetime



CDM-TC Fresh 70W Life Expectancy /740

CDM-TC Fresh 70W Lumen Maintenance /740



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