



MASTERColour CDM-TC Elite

MASTERColour CDM-TC Elite 70W/942 G8.5 1CT

Single-ended, compact size, high-efficiency Ceramic Metal Halide discharge lamp

Product data

General Information		Colour Rendering Index,horiz (Nom)	
Cap base	G8.5 [G8.5]		92
Burning Position	UNIVERSAL [Any/Universal]	Operating and Electrical	
Life to 5% failures (nom.)	9000 h	Power (Rated) (Nom)	73.0 W
Life to 10% failures (nom.)	10000 h	Ignition supply voltage (min.)	198 V
Life to 20% failures (nom.)	12000 h	Re-ignition time (min.) (max.)	15 min
Life to 50% failures (nom.)	15000 h	Ignition time (max.)	30 s
ANSI code HID	-	Voltage (Max)	94 V
		Voltage (Min)	82 V
		Voltage (Nom)	88 V
Light Technical		Controls and Dimming	
Colour Code	942 [CCT of 4,200 K]	Dimmable	no
Lamp Luminous Flux (Min)	6700 lm	Run-up time 90% (max.)	3 min
Lamp Luminous Flux (Nom)	7450 lm	Mechanical and Housing	
Colour Designation	Cool White (CW)	Bulb finish	Clear
Lumen maintenance 12,000 hours (nom.)	80 %	Approval and Application	
Lumen maintenance 10,000 hours (nom.)	81 %	Energy efficiency label (EEL)	A+
Lumen maintenance 2,000 hours (nom.)	88 %	Mercury (Hg) content (nom.)	6.6 mg
Lumen maintenance 5,000 hours (nom.)	85 %	Energy Consumption kWh/1000 h	80 kWh
Chromaticity coordinate X (nom.)	0.365		
Chromaticity coordinate Y (nom.)	0.363		
Colour Temperature, horizontal (Nom)	4200 K		
Lamp Luminous Efficacy EM (Nom)	102 lm/W		
Colour Rendering Index,horiz (Min)	89		

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UV

PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.4

Luminaire Design Requirements

Bulb temperature (max.)	500 °C
Pinch temperature (max.)	300 °C

Product Data

Full product code	871869648473900
Order product name	MASTERCcolour CDM-TC Elite 70W/942 G8.5 1CT

EAN/UPC – product	8718696484739
Order code	928193905129
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928193905129
Net weight (piece)	9.000 g
ILCOS Code	MT/UB-70/942-H-G8.5-17/85

Warnings and Safety

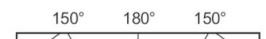
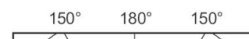
Dimensional drawing

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Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERCcolour CDM-TC Elite 70W/942 G8.5 1CT	15 mm	7.75 mm	51 mm	53 mm	52 mm	85 mm

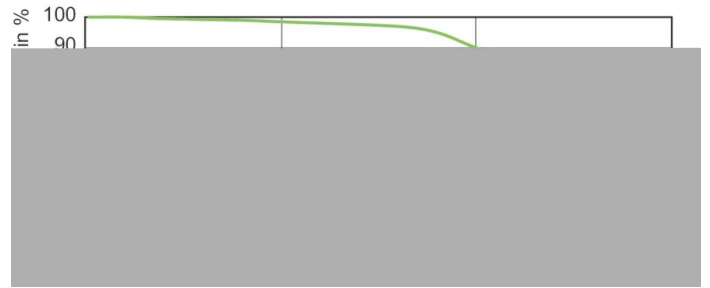
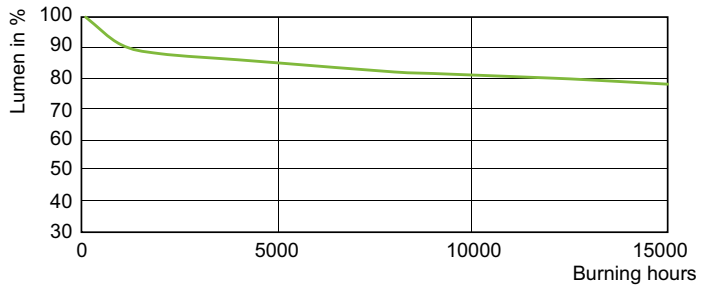
CDM-TC Elite 70W/942 G8.5

Photometric data



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Lifetime



LDLM_CDMTC-E_0007-Lumen maintenance diagram

