

MASTERCcolour CDM-TT

MASTERCcolour CDM-TT 70W/942 E27 1SL

High-intensity discharge lamps with a CDM discharge tube inside a SON lamp clear tubular outer bulb



Product data

• General Characteristics

Cap-Base	E27
Bulb	T35 [T 35mm]
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
Life to 5% failures	8000 hr
Life to 10% failures	10000 hr
Life to 20% failures	13000 hr
Life to 50% failures	18000 hr
LSF EM 2000h Rated, 12h cycle	99 %
LSF EM 4000h Rated, 12h cycle	99 %
LSF EM 6000h Rated, 12h cycle	97 %
LSF EM 8000h Rated, 12h cycle	95 %
LSF EM 12000h Rated, 12h cycle	82 %
LSF EM 16000h Rated, 12h cycle	62 %
LSF EM 20000h Rated, 12h cycle	37 %

• Light Technical Characteristics

Color Code	942 [CCT of 4200K]
Color Rendering Index	90 Ra8
Color Designation (text)	Cool White
Color Temperature	4200 K
Luminous Flux EM 25°C, Rated	6300 Lm
Lum Efficacy Rated EM 25°C	85 Lm/W

LLMF EM 2000h Rated	81 %
LLMF EM 4000h Rated	73 %
LLMF EM 6000h Rated	69 %
LLMF EM 8000h Rated	66 %
LLMF EM 12000h Rated	61 %
LLMF EM 16000h Rated	58 %
LLMF EM 20000h Rated	55 %
Chromaticity Coordinate X	379 -
Chromaticity Coordinate Y	375 -

• Electrical Characteristics

Lamp Wattage	70 W
Lamp Wattage EM 25°C, Nominal	70 W
Lamp Wattage EM 25°C, Rated	74 W
Lamp Voltage	91 V
Lamp Current EM	0.970 A
Ignition Time	30 (max) s
Run-up time 90%	4 (max) min
Dimmable	No
Re-ignition Time [sec]	720 (max) s
Ratio scotopic/photopic lumens	1.75 -

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• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	6.1 mg
Energy consumption kWh/1000h	81 kWh

• UV-related Characteristics

PET (NIOSH)	8 (min) h500lx
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• Luminaire Design Requirements

Cap-Base Temperature	200 (max) C
Bulb Temperature	350 (max) C

• Product Dimensions

Overall Length C	156 (max) mm
Diameter D	36 (max) mm
Light Center Length L	102 mm

Arc Length O 6 mm

• Product Data

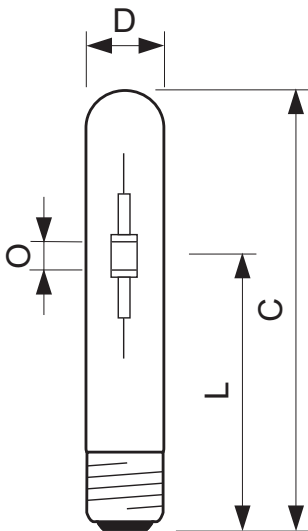
Order code	928093609235
Full product code	928093609235
Full product name	MASTERColour CDM-TT 70W/942 E27 1SL
Order product name	MASTERC CDM-TT 70W/942 E27 1SL/12
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500209658
Bar code on outerbox - EAN3	8711500209665
Logistic code(s) - 12NC	928093609235
ILCOS code	MT-70/942-H-E27-39/156
Net weight per piece	0.048 kg

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

- Lamps may use electronic or electromagnetic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)

Dimensional drawing



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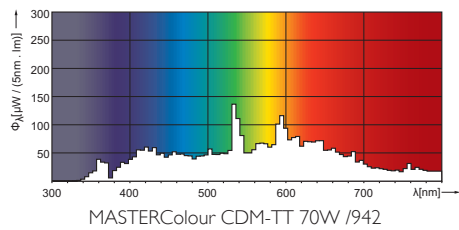
Product	C (Max)	D (Max)	L (Norm)	O (Norm)
CDM-TT 70W/942 E27	156	36	102	6

Dimensional drawing



E27

Photometric data



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data subject to change