



Product Description

MASTERColour CDM-T

Range of single-ended, compact, high-efficiency, discharge lamps with a stable colour over lifetime and a crisp, sparkling light

Benefits

- Stable colour impression over lifetime
- High lamp efficacy results in low operating costs and low heat generation
- Long lamp life compared with incandescent and halogen lamps
- Relatively low heat output enhances comfort for shoppers and staff
- All types are UV-Block for reduced fading risks

Features

- Warm or cool white colour impression
- Colour rendering good to excellent
- Allows small-size luminaires designs that give high beam intensities

Application

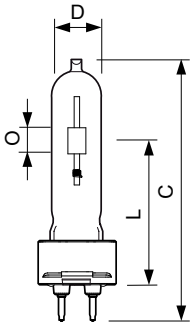
- Shops and shop windows, offices and public buildings
- Decorative outdoor: floodlighting and pedestrian areas

Versions



MASTERColour CDM-T

Dimensional drawing



Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T 150W/942 G12 1CT	20 mm	0.75 in	8 mm	55 mm	57 mm	56	110 mm
MASTERColour CDM-T 35W/842 G12 1CT/12	20 mm	0.75 in	5 mm	55 mm	57 mm	56	103 mm
MASTERColour CDM-T 35W/830 G12 1CT/12	20 mm	0.75 in	5 mm	55 mm	57 mm	56	103 mm
MASTERColour CDM-T 150W/830 G12 1CT	20 mm	0.75 in	9 mm	55 mm	57 mm	56	110 mm
MASTERColour CDM-T 70W/942 G12 1CT/12	20 mm	0.75 in	6 mm	55 mm	57 mm	56	103 mm
MASTERColour CDM-T 70W/830 G12 1CT/12	20 mm	0.75 in	7 mm	55 mm	57 mm	56	103 mm

Controls and Dimming

Dimmable	no
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Operating and Electrical

Re-ignition Time (Min) (Max)	15 min
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General Information

Cap-Base	G12
Life To 10% Failures (Nom)	10000 h
Life To 20% Failures (Nom)	11000 h
Life To 50% Failures (Nom)	12000 h
Life To 5% Failures (Nom)	9000 h
Operating Position	UNIVERSAL

Mechanical and Housing

Bulb Finish	Clear (CL)
Bulb Shape	T19

Approval and Application

Order Code	Full Product Name	Energy		
		Energy Consumption kWh/1000 h	Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
928082305125	MASTERColour CDM-T 70W/830 G12 1CT/12	80 kWh	A+	4.6 mg
928084505131	MASTERColour CDM-T 70W/942 G12 1CT/12	80 kWh	A+	6.1 mg
928083105125	MASTERColour CDM-T 35W/830 G12 1CT/12	43 kWh	A	3.1 mg
928094305125	MASTERColour CDM-T 35W/842 G12 1CT/12	43 kWh	A	2.7 mg
928083705125	MASTERColour CDM-T 150W/830 G12 1CT	162 kWh	A+	14.3 mg
928084605131	MASTERColour CDM-T 150W/942 G12 1CT	162 kWh	A	10.4 mg

Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage	
				(Min)	(Nom)
928082305125	MASTERColour CDM-T 70W/830 G12 1CT/12	0.98 A	96 V	80 V	88 V
928084505131	MASTERColour CDM-T 70W/942 G12 1CT/12	0.98 A	96 V	80 V	88 V
928083105125	MASTERColour CDM-T 35W/830 G12 1CT/12	0.53 A	90 V	76 V	82 V

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage	
				(Min)	(Nom)
928094305125	MASTERColour CDM-T 35W/842 G12 1CT/12	-	93 V	77 V	85 V
928083705125	MASTERColour CDM-T 150W/830 G12 1CT	1.8 A	106 V	86 V	96 V
928084605131	MASTERColour CDM-T 150W/942 G12 1CT	1.9 A	98 V	82 V	90 V

Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
928082305125	MASTERColour CDM-T 70W/830 G12 1CT/12	73 W

Order Code	Full Product Name	Power (Rated) (Nom)
928084505131	MASTERColour CDM-T 70W/942 G12 1CT/12	73 W

MASTERColour CDM-T

Order Code	Full Product Name	Power (Rated) (Nom)
928083105125	MASTERColour CDM-T 35W/830 G12 1CT/12	39 W
928094305125	MASTERColour CDM-T 35W/842 G12 1CT/12	39 W

Order Code	Full Product Name	Power (Rated) (Nom)
928083705125	MASTERColour CDM-T 150W/830 G12 1CT	147 W
928084605131	MASTERColour CDM-T 150W/942 G12 1CT	147 W

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928082305125	MASTERColour CDM-T 70W/830 G12 1CT/12	500 °C
928084505131	MASTERColour CDM-T 70W/942 G12 1CT/12	500 °C
928083105125	MASTERColour CDM-T 35W/830 G12 1CT/12	500 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928094305125	MASTERColour CDM-T 35W/842 G12 1CT/12	500 °C
928083705125	MASTERColour CDM-T 150W/830 G12 1CT	650 °C
928084605131	MASTERColour CDM-T 150W/942 G12 1CT	650 °C

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity		Colour Code	Colour Designation
		Coordinate X (Nom)	Coordinate Y (Nom)		
928082305125	MASTERColour CDM-T 70W/830 G12 1CT/12	0.432	0.395	830	Warm white (WW)
928084505131	MASTERColour CDM-T 70W/942 G12 1CT/12	0.377	0.376	942	Cool White (CW)
928083105125	MASTERColour CDM-T 35W/830 G12 1CT/12	0.428	0.397	830	Warm white (WW)
928094305125	MASTERColour CDM-T 35W/842 G12 1CT/12	0.370	0.367	842	Cool White (CW)

Order Code	Full Product Name	Chromaticity		Colour Code	Colour Designation
		Coordinate X (Nom)	Coordinate Y (Nom)		
928083705125	MASTERColour CDM-T 150W/830 G12 1CT	0.436	0.396	830	Warm white (WW)
928084605131	MASTERColour CDM-T 150W/942 G12 1CT	0.375	0.363	942	Cool White (CW)

Light Technical (2/3)

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 2000 h (Min)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Min)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Min)
928084505131	MASTERColour CDM-T 70W/942 G12 1CT/12	4200 K	92	65 %	75 %	85 %	65 %	75 %	86 lm/W	-
928083105125	MASTERColour CDM-T 35W/830 G12 1CT/12	3000 K	83	50 %	70 %	80 %	60 %	70 %	79 lm/W	-
928094305125	MASTERColour CDM-T 35W/842 G12 1CT/12	4200 K	84	70 %	80 %	90 %	75 %	85 %	77 lm/W	-
928083705125	MASTERColour CDM-T 150W/830 G12 1CT	3000 K	88	60 %	65 %	75 %	60 %	70 %	90 lm/W	12000 lm
928084605131	MASTERColour CDM-T 150W/942 G12 1CT	4200 K	96	70 %	75 %	85 %	70 %	80 %	84 lm/W	11200 lm

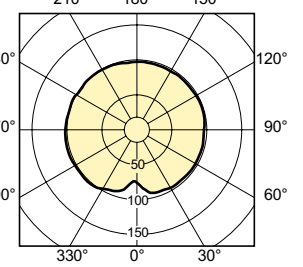
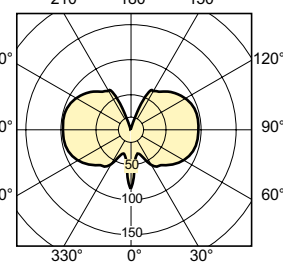
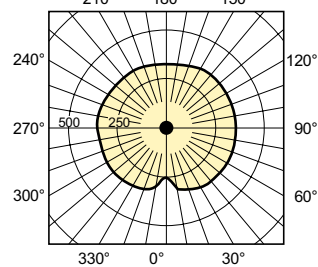
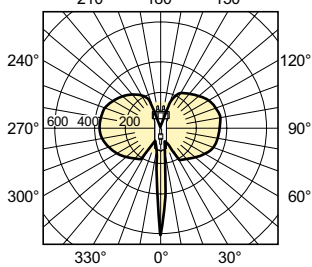
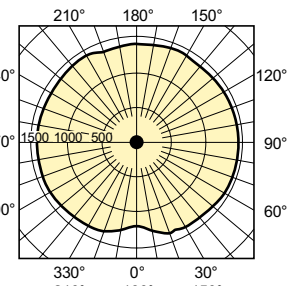
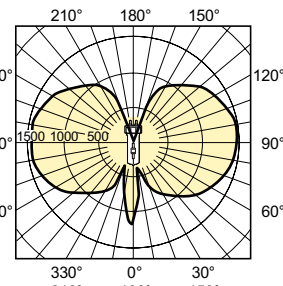
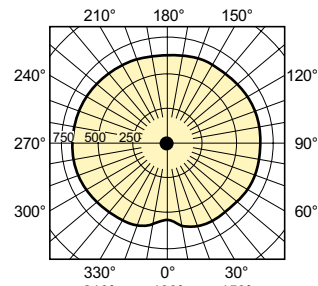
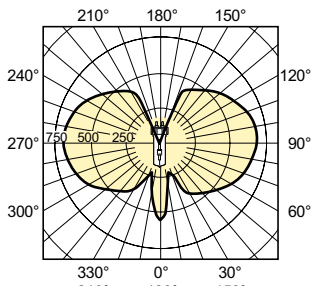
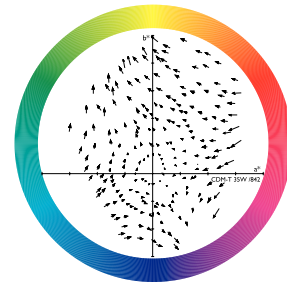
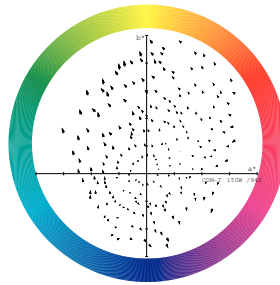
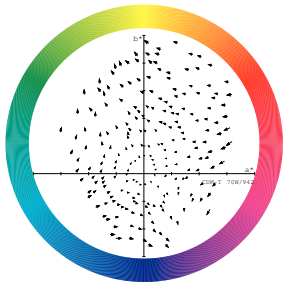
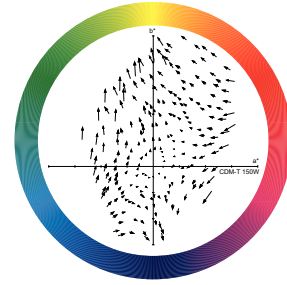
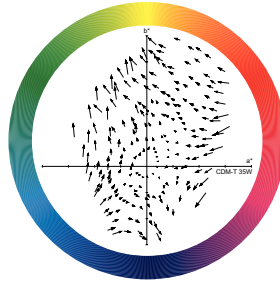
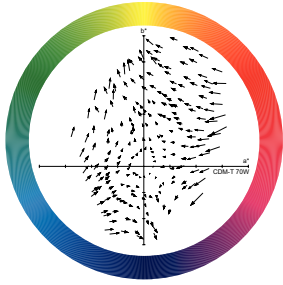
Light Technical (3/3)

MASTERColour CDM-T

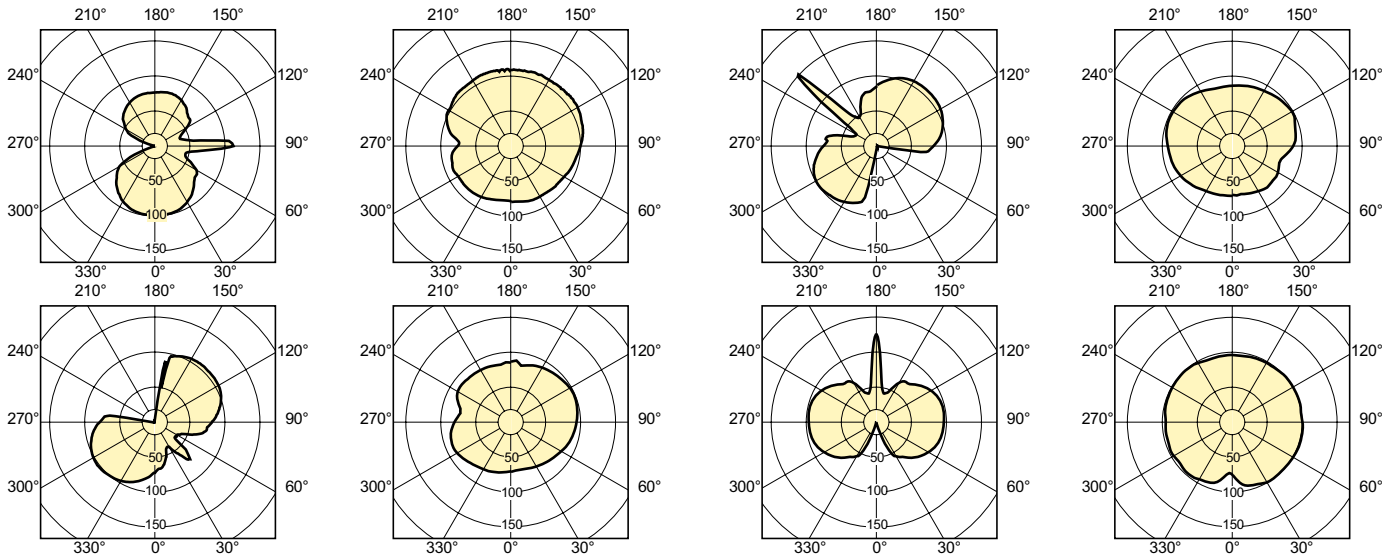
Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
928082305125	MASTERColour CDM-T 70W/830 G12 1CT/12	6400 lm
928084505131	MASTERColour CDM-T 70W/942 G12 1CT/12	6300 lm
928083105125	MASTERColour CDM-T 35W/830 G12 1CT/12	3100 lm

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
928094305125	MASTERColour CDM-T 35W/842 G12 1CT/12	3000 lm
928083705125	MASTERColour CDM-T 150W/830 G12 1CT	13300 lm
928084605131	MASTERColour CDM-T 150W/942 G12 1CT	12400 lm

Colour Rendering Diagrams



MASTERColour CDM-T



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2018, November 19 - data subject to change