

2015, December 22
data subject to change

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

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
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Lamps may use electronic or electromagnetic control gear, except 35W/942 and 20W lamps, which must use electronic control gear.
- 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.

PHILIPS

Related products



CDM-T 70W, /830, /942 G12



CDM-T 35W /830, /842 G12



CDM-T, 150W, G12

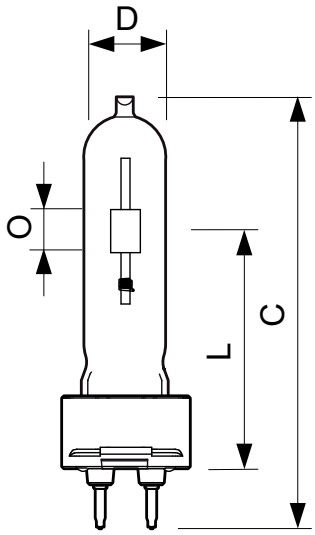


CDM-T, 250W, G12



CDM-T, 20W

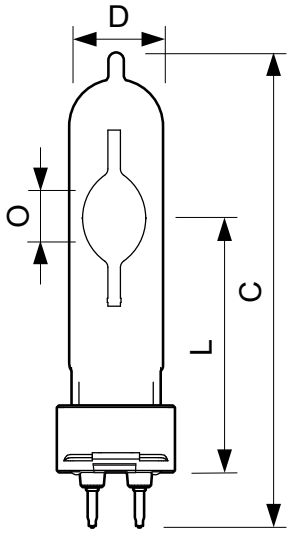
Dimensional drawing



CDM-T 35W, 70W, 150W G12

CDM-T 150W/942 G12

Product	D	D	O	L	L	L	C
MASTERColour CDM-T 150W/942 G12 1CT	20 mm	0.75 in	8 mm	55 mm	57 mm	56 mm	110 mm
MASTERColour CDM-T 150W/942 G12 1CT	20 mm	0.75 in	8 mm	55 mm	57 mm	56 mm	110 mm

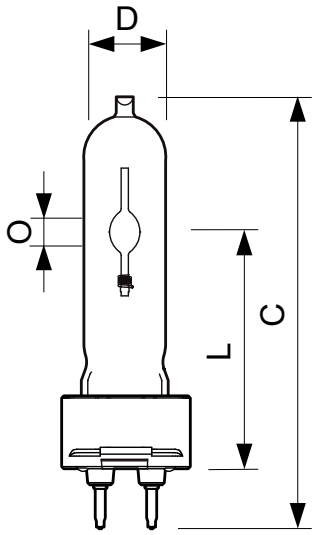


CDM-T 250W

CDM-T 250W/942 G12

Product	D	O	L	L	L	C
MASTERColour CDM-T 250W/942 G12 1CT/12	25 mm	12.3 mm	71.5 mm	73.5 mm	72.5 mm	135 mm

Dimensional drawing



CDM-T, 20W, /830, G12

CDM-T 20W/830 G12

Product	D	D	O	L	L	L	C
MASTERColour CDM-T 20W/830 G12 1CT/12	20 mm	0.75 in	4 mm	55 mm	57 mm	56 mm	103 mm

General Information

order code	Bulb Shape	Cap-Base	Life To 10% Failures (Nom)	Life To 20% Failures (Nom)	Life To 50% Failures (Nom)	Life To 5% Failures (Nom)	Operating Position
19699615	T19	G12	10000	11000	12000	9000	UNIVERSAL
19927015	T19	G12	10000	11000	12000	9000	UNIVERSAL
19697215	T19	G12	10000	11000	12000	9000	UNIVERSAL
21126215	T19	G12	10000	11000	12000	9000	UNIVERSAL
19780115	T19	G12	10000	11000	12000	9000	UNIVERSAL
20005115	T19	G12	10000	11000	12000	9000	UNIVERSAL
20801915	T24	G12	10000	12000	15000	3500	UNIVERSAL
21112515	T24	G12	10000	12000	15000	3500	UNIVERSAL
87156200	T19	G12	10000	12000	15000	9000	UNIVERSAL

Light Technical (1/2)

order code	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 12000 h (Nom)	Lumen Maintenance 2000 h (Min)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Min)
19699615	0.432	0.395	Warm white (WW)	3000	84	70	-	75	85	70
19927015	0.377	0.376	Cool White (CW)	4200	92	65	-	75	85	65
19697215	0.428	0.397	Warm white (WW)	3000	81	50	-	70	80	60
21126215	0.370	0.367	Cool White (CW)	4200	84	70	-	80	90	75
19780115	0.436	0.396	Warm white (WW)	3000	88	60	-	65	75	60

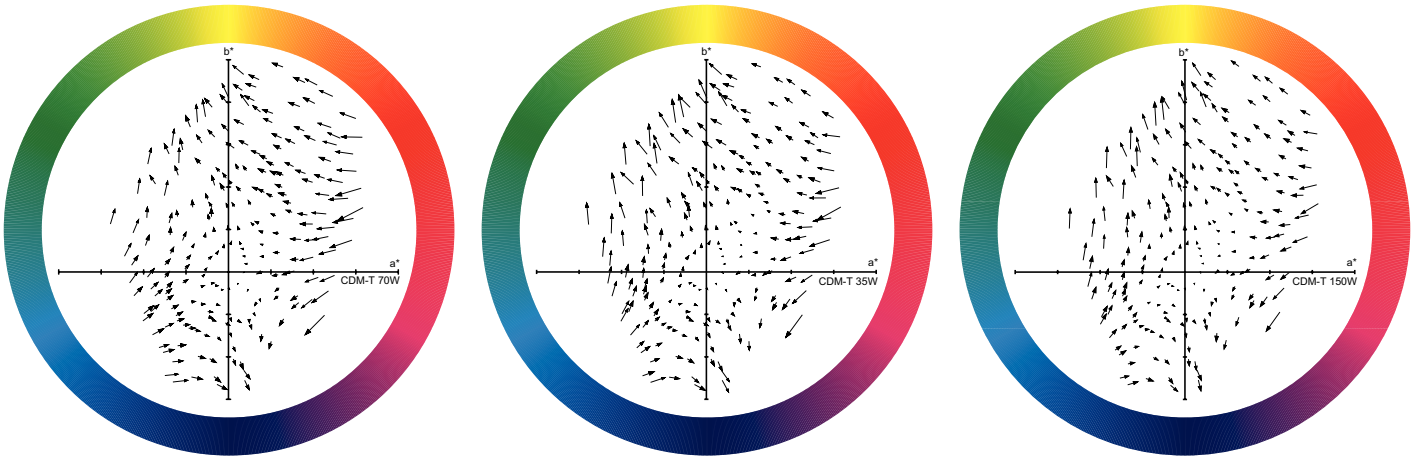
order code	Chroma-ticity Coordi-nate X (Nom)	Chroma-ticity Coordi-nate Y (Nom)	Color Designation	Correlated Color Tempera-ture (Nom)	Color Rendering Index (Nom)	Lumen Mainte-nance 10000 h (Nom)	Lumen Mainte-nance 12000 h (Nom)	Lumen Mainte-nance 2000 h (Min)	Lumen Mainte-nance 2000 h (Nom)	Lumen Mainte-nance 5000 h (Min)
20005115	0.375	0.363	Cool White (CW)	4200	96	70	-	75	85	70
20801915	0.435	0.393	Warm white (WW)	3000	85	92	-	-	98	-
21112515	0.376	0.368	Cool White (CW)	4200	91	86	-	-	98	-
87156200	0.434	0.391	Warm white (WW)	3000	84	78	77	-	87	-

Light Technical (2/2)

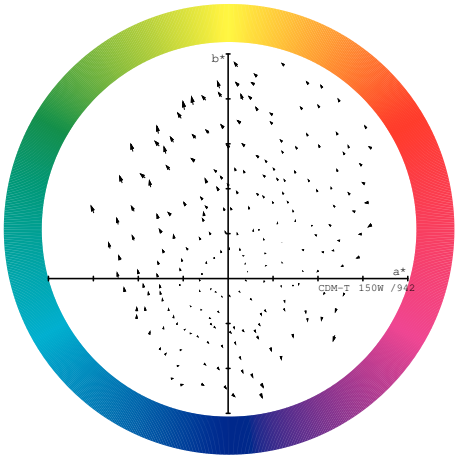
order code	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
19699615	80	88	-	6400
19927015	75	86	-	6300
19697215	70	79	-	3000
21126215	85	79	-	3100
19780115	70	90	-	13200
20005115	80	83	-	12000

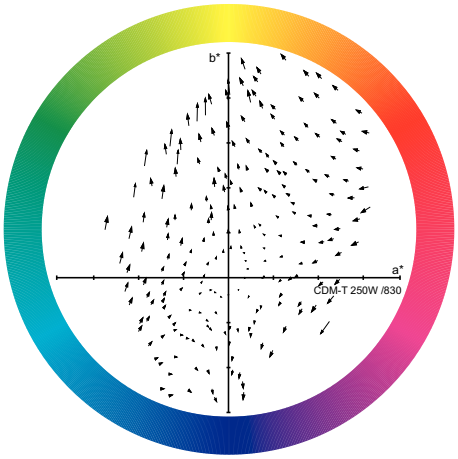
order code	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
20801915	97	111	24780	27540
21112515	94	105	23400	26000
87156200	83	90	1620	1800

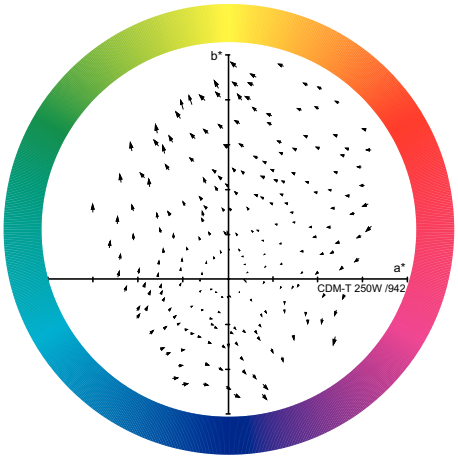
Light technical

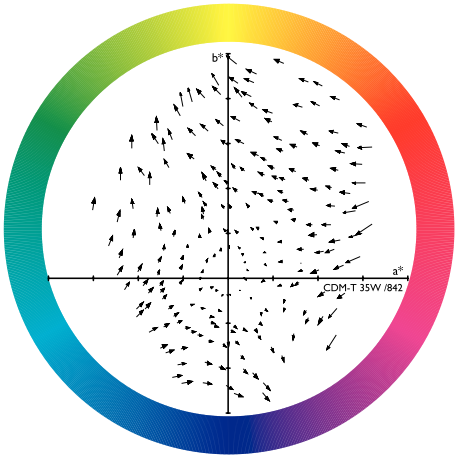


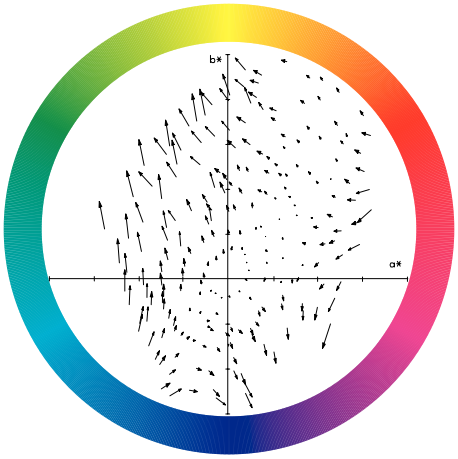
Light technical

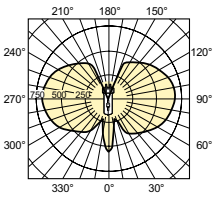


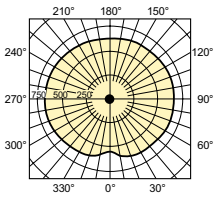


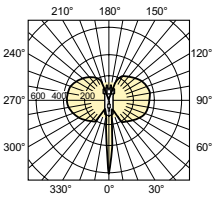


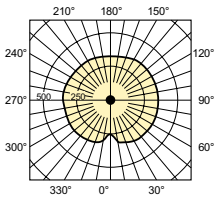


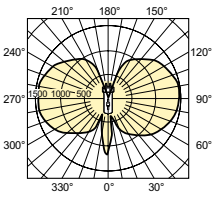


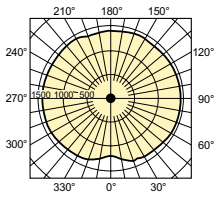


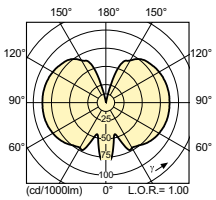


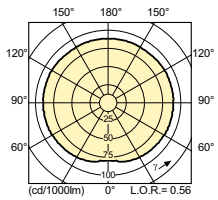


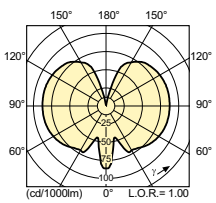


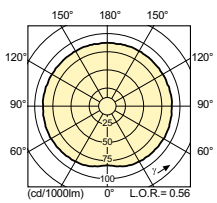


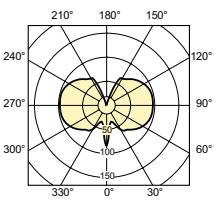


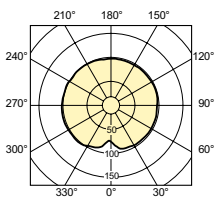


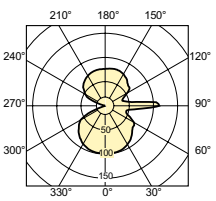


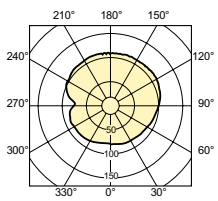




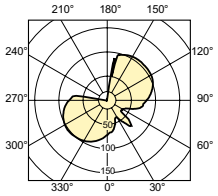


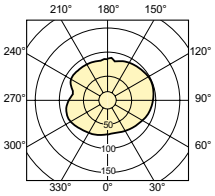


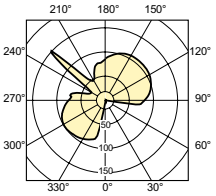


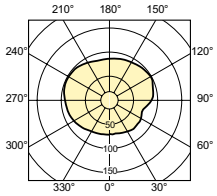


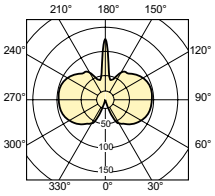
Light technical

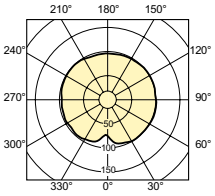












Operating and Electrical

order code	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)	Re-Ignition Time (Min) (Max)
19699615	0.98	96	80	88	70	15
19927015	0.98	96	80	88	70	15
19697215	0.53	96	80	88	35	15
21126215	-	93	77	85	35	15
19780115	1.8	106	86	96	150	15
20005115	1.9	98	82	90	150	15
20801915	2.99	103	87	95	249.0	15
21112515	3.04	104	84	93	247.0	15
87156200	-	100	90	95	20.0	15

Mechanical and Housing

order code	Bulb Finish
19699615	Clear (CL)
19927015	Clear (CL)
19697215	Clear (CL)
21126215	Clear (CL)
19780115	Clear (CL)
20005115	Clear (CL)
20801915	Clear (CL)
21112515	Clear (CL)
87156200	Clear (CL)

Approval and Application

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
19699615	80	A+	4.5
19927015	80	A+	6.1
19697215	43	A	3.1
21126215	43	A	2.7
19780115	165	A+	14.25
20005115	165	A	10.4
20801915	274	A+	27
21112515	272	A+	19.0
87156200	22	A+	3.5

Luminaire Design Requirements

order code	Bulb Temperature (Max)
19699615	500
19927015	500
19697215	500
21126215	500
19780115	650
20005115	650
20801915	700
21112515	700
87156200	250

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