Beautiful sparkle, reliable life

MASTERColour CDM-T

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

Benefits

- Stable color 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

- Crisp white light
- Superior color quality
- 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

MASTERColour CDM-T

Versions

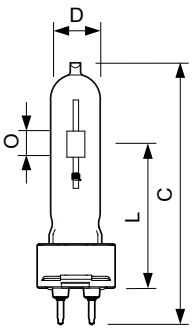
CDM-T 70W, /830, /942 G12

CDM-T 35W /830, /842 G12

CDM-T, 150W, G12

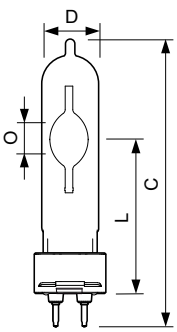
CDM-T, 20W

Dimensional drawing



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

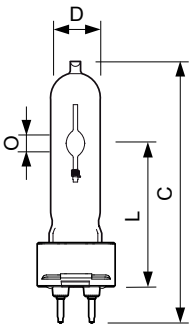


CDM-T 250W/942 G12

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

MASTERColour CDM-T

Dimensional drawing



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

Controls and Dimming	
Dimmable	No
Operating and Electrical	
Re-Ignition Time (Min) (Max)	15
General Information	
Cap-Base	G12
Life To 10% Failures (Nom)	10000
Operating Position	UNIVERSAL
Mechanical and Housing	
Bulb Finish	Clear

Approval and Application

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
928082305125	80	A+	4.5
928082305129	80	A+	4.5
928082305176	80	A+	4.5
928082305191	80	A+	4.5
928082305192	80	A+	4.5
928084505129	80	A+	6.1
928084505131	80	A+	6.1
928084505191	80	A+	6.1
928084505192	80	A+	6.1
928083105125	43	A	3.1
928083105129	43	A	3.1
928083105176	43	A	3.1
928083105191	43	A	3.1

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
928083105192	43	A	3.1
928094305125	43	A	2.7
928094305129	43	A	2.7
928094305191	43	A	2.7
928094305192	43	A	2.7
928083705125	165	A+	14.25
928083705176	165	A+	14.25
928084605131	165	A	10.4
928084605175	165	A	10.4
928089805131	274	A+	27
928094205131	272	A+	19.0
928183305125	22	A+	3.5

Operating and Electrical

order code	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Min)	Power (Rated) (Nom)
928082305125	0.98	96	80	88	-	73
928082305129	0.98	96	80	88	-	73

order code	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Min)	Power (Rated) (Nom)
928082305176	0.98	96	80	88	-	73
928082305191	0.98	96	80	88	-	73
928082305192	0.98	96	80	88	-	73
928084505129	0.98	96	80	88	-	73
928084505131	0.98	96	80	88	-	73
928084505191	0.98	96	80	88	-	73
928084505192	0.98	96	80	88	-	73
928083105125	0.53	96	80	88	-	39
928083105129	0.53	96	80	88	-	39
928083105176	0.53	96	80	88	-	39
928083105191	0.53	96	80	88	-	39
928083105192	0.53	96	80	88	-	39
928094305125	-	93	77	85	39.0	35
928094305129	-	93	77	85	39.0	35
928094305191	-	93	77	85	39.0	35
928094305192	-	93	77	85	39.0	35
928083705125	1.8	106	86	96	-	150
928083705176	1.8	106	86	96	-	150
928084605131	1.9	98	82	90	-	150
928084605175	1.9	98	82	90	-	150
928089805131	2.99	103	87	95	249.0	249.0
928094205131	3.04	104	84	93	247.0	247.0
928183305125	-	100	90	95	20.0	20.0

General Information

order code	Bulb Shape	Life To 20% Failures (Nom)	Life To 50% Failures (Nom)	Life To 5% Failures (Nom)
928082305125	T19	11000	12000	9000
928082305129	T19	11000	12000	9000
928082305176	T19	11000	12000	9000
928082305191	T19	11000	12000	9000
928082305192	T19	11000	12000	9000
928084505129	T19	11000	12000	9000
928084505131	T19	11000	12000	9000
928084505191	T19	11000	12000	9000
928084505192	T19	11000	12000	9000
928083105125	T19	11000	12000	9000
928083105129	T19	11000	12000	9000
928083105176	T19	11000	12000	9000
928083105191	T19	11000	12000	9000

order code	Bulb Shape	Life To 20% Failures (Nom)	Life To 50% Failures (Nom)	Life To 5% Failures (Nom)
928083105192	T19	11000	12000	9000
928094305125	T19	11000	12000	9000
928094305129	T19	11000	12000	9000
928094305191	T19	11000	12000	9000
928094305192	T19	11000	12000	9000
928083705125	T19	11000	12000	9000
928083705176	T19	11000	12000	9000
928084605131	T19	11000	12000	9000
928084605175	T19	11000	12000	9000
928089805131	T24	12000	15000	3500
928094205131	T24	12000	15000	3500
928183305125	T19	12000	15000	9000

Luminaire Design Requirements

order code	Bulb Temperature (Max)
928082305125	500
928082305129	500
928082305176	500
928082305191	500
928082305192	500
928084505129	500

order code	Bulb Temperature (Max)
928084505131	500
928084505191	500
928084505192	500
928083105125	500
928083105129	500
928083105176	500

order code	Bulb Temperature (Max)
928083105191	500
928083105192	500
928094305125	500
928094305129	500
928094305191	500
928094305192	500
928083705125	650

order code	Bulb Temperature (Max)
928083705176	650
928084605131	650
928084605175	650
928089805131	700
928094205131	700
928183305125	250

Light Technical (1/2)

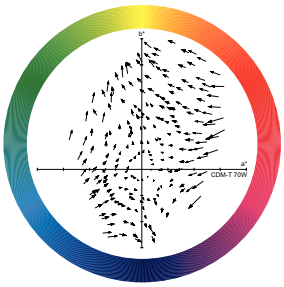
order code	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Code	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 12000 h (Nom)
928082305125	0.432	0.395	830	Warm White (WW)	3000	84	70	-
928082305129	0.432	0.395	830	Warm White (WW)	3000	84	70	-
928082305176	0.432	0.395	830	Warm White (WW)	3000	84	70	-
928082305191	0.432	0.395	830	Warm White (WW)	3000	84	70	-
928082305192	0.432	0.395	830	Warm White (WW)	3000	84	70	-
928084505129	0.377	0.376	942	Cool White (CW)	4200	92	65	-
928084505131	0.377	0.376	942	Cool White (CW)	4200	92	65	-
928084505191	0.377	0.376	942	Cool White (CW)	4200	92	65	-
928084505192	0.377	0.376	942	Cool White (CW)	4200	92	65	-
928083105125	0.428	0.397	830	Warm White (WW)	3000	81	50	-
928083105129	0.428	0.397	830	Warm White (WW)	3000	81	50	-
928083105176	0.428	0.397	830	Warm White (WW)	3000	81	50	-
928083105191	0.428	0.397	830	Warm White (WW)	3000	81	50	-
928083105192	0.428	0.397	830	Warm White (WW)	3000	81	50	-
928094305125	0.370	0.367	842	Cool White (CW)	4200	84	70	-
928094305129	0.370	0.367	842	Cool White (CW)	4200	84	70	-
928094305191	0.370	0.367	842	Cool White (CW)	4200	84	70	-
928094305192	0.370	0.367	842	Cool White (CW)	4200	84	70	-
928083705125	0.436	0.396	830	Warm White (WW)	3000	88	60	-
928083705176	0.436	0.396	830	Warm White (WW)	3000	88	60	-
928084605131	0.375	0.363	942	Cool White (CW)	4200	96	70	-
928084605175	0.375	0.363	942	Cool White (CW)	4200	96	70	-
928089805131	0.435	0.393	830	Warm White (WW)	3000	85	92	-
928094205131	0.376	0.368	942	Cool White (CW)	4200	91	86	-
928183305125	0.434	0.391	830	Warm White (WW)	3000	84	78	77

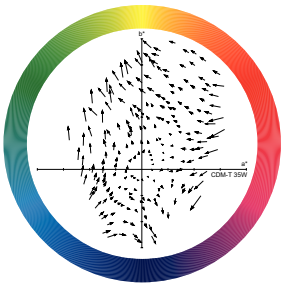
Light Technical (2/2)

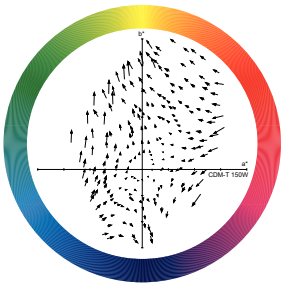
order code	Lumen Maintenance 2000 h (Min)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Min)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928082305125	75	85	70	80	88	-	6400
928082305129	75	85	70	80	88	-	6400
928082305176	75	85	70	80	88	-	6400
928082305191	75	85	70	80	88	-	6400
928082305192	75	85	70	80	88	-	6400
928084505129	75	85	65	75	86	-	6300
928084505131	75	85	65	75	86	-	6300
928084505191	75	85	65	75	86	-	6300
928084505192	75	85	65	75	86	-	6300

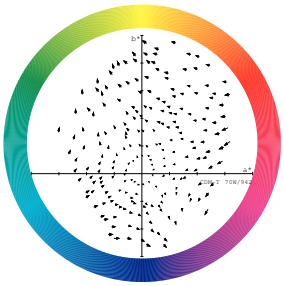
order code	Lumen Maintenance 2000 h (Min)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Min)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928083105125	70	80	60	70	79	-	3000
928083105129	70	80	60	70	79	-	3000
928083105176	70	80	60	70	79	-	3000
928083105191	70	80	60	70	79	-	3000
928083105192	70	80	60	70	79	-	3000
928094305125	80	90	75	85	79	-	3100
928094305129	80	90	75	85	79	-	3100
928094305191	80	90	75	85	79	-	3100
928094305192	80	90	75	85	79	-	3100
928083705125	65	75	60	70	90	-	13200
928083705176	65	75	60	70	90	-	13200
928084605131	75	85	70	80	83	-	12000
928084605175	75	85	70	80	83	-	12000
928089805131	-	98	-	97	111	24780	27540
928094205131	-	98	-	94	105	23400	26000
928183305125	-	87	-	83	90	1620	1800

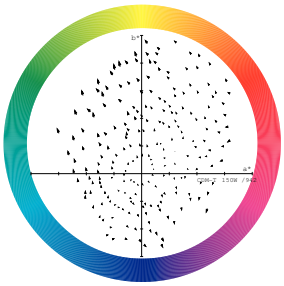
Color Rendering Diagrams

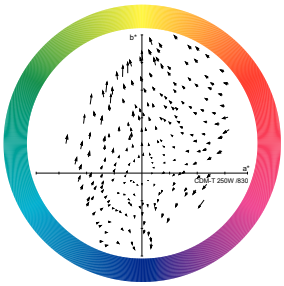




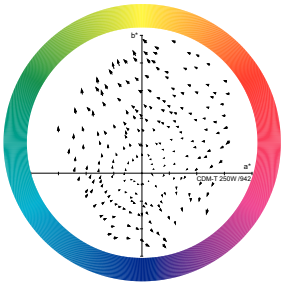


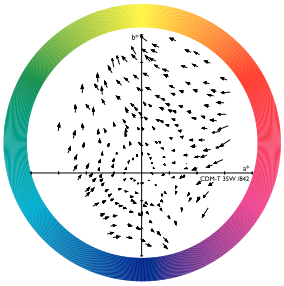


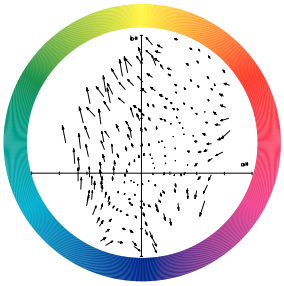




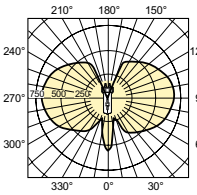
Color Rendering Diagrams

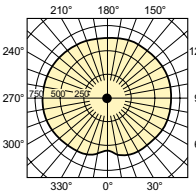


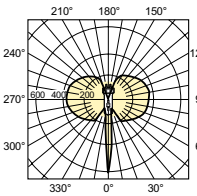


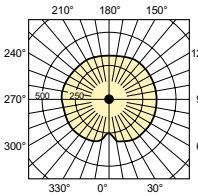


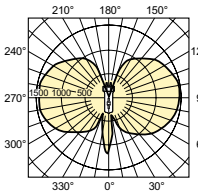
Light Distribution Diagrams

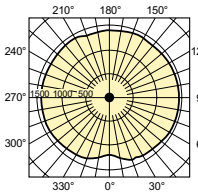


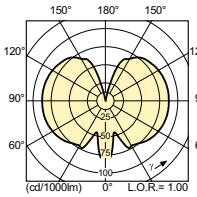


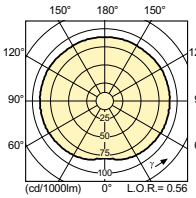


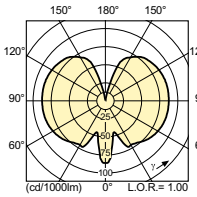


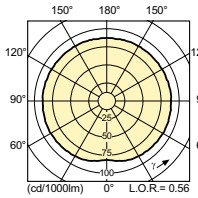


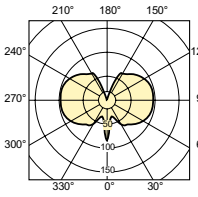


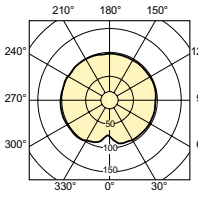


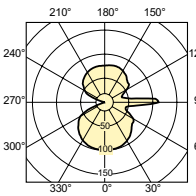


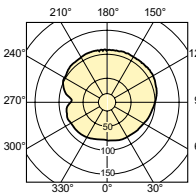


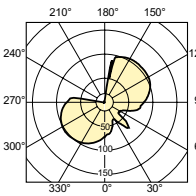


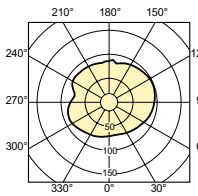


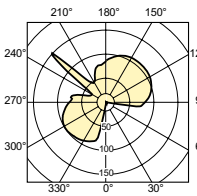


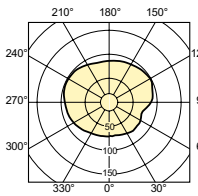






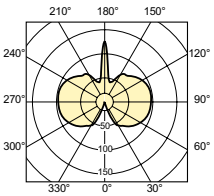


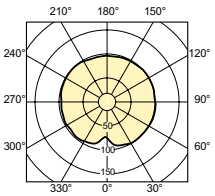




MASTERColour CDM-T

Light Distribution Diagrams





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