



Beautiful sparkle, reliable life

MASTERCcolour 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

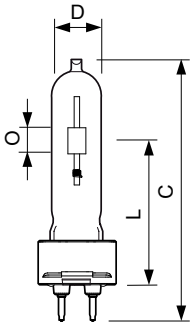


CDM-T 35W /830, /842 G12



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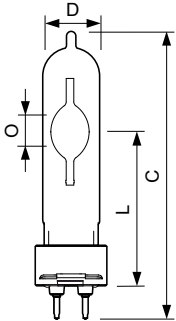
Dimensional drawing



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

MASTERColour CDM-T

Dimensional drawing



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 250W/830 G12 1CT/12	25 mm	12.3 mm	71.5 mm	73.5 mm	72.5 mm	135 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
Operating Position	UNIVERSAL

Mechanical and Housing

Bulb Finish	Clear
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Approval and Application

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

order code	Energy Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
928083105176	43 kWh	A	3.1 mg
928083105191	43 kWh	A	3.1 mg
928083105192	43 kWh	A	3.1 mg
928094305125	43 kWh	A	2.7 mg
928094305129	43 kWh	A	2.7 mg
928094305191	43 kWh	A	2.7 mg
928094305192	43 kWh	A	2.7 mg
928083705125	165 kWh	A+	14.25 mg
928084605131	165 kWh	A	10.4 mg
928089805131	274 kWh	A+	27 mg
928094205131	272 kWh	A+	19.0 mg

Operating and Electrical

order code	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Min)	Power (Rated) (Nom)
928082305125	0.98 A	96 V	80 V	88 V	-	73 W
928082305129	0.98 A	96 V	80 V	88 V	-	73 W
928082305176	0.98 A	96 V	80 V	88 V	-	73 W
928082305191	0.98 A	96 V	80 V	88 V	-	73 W
928082305192	0.98 A	96 V	80 V	88 V	-	73 W

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

General Information

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

order code	Bulb Shape	Life To 20% Failures (Nom)	Life To 50% Failures (Nom)	Life To 5% Failures (Nom)
928083105176	T19	11000 h	12000 h	9000 h
928083105191	T19	11000 h	12000 h	9000 h
928083105192	T19	11000 h	12000 h	9000 h
928094305125	T19	11000 h	12000 h	9000 h
928094305129	T19	11000 h	12000 h	9000 h
928094305191	T19	11000 h	12000 h	9000 h
928094305192	T19	11000 h	12000 h	9000 h
928083705125	T19	11000 h	12000 h	9000 h
928084605131	T19	11000 h	12000 h	9000 h
928089805131	T24	12000 h	15000 h	3500 h
928094205131	T24	12000 h	15000 h	3500 h

Luminaire Design Requirements

order code	Bulb Temperature (Max)
928082305125	500 °C
928082305129	500 °C
928082305176	500 °C
928082305191	500 °C
928082305192	500 °C
928084505129	500 °C
928084505131	500 °C
928084505191	500 °C
928084505192	500 °C
928083105125	500 °C
928083105129	500 °C

order code	Bulb Temperature (Max)
928083105176	500 °C
928083105191	500 °C
928083105192	500 °C
928094305125	500 °C
928094305129	500 °C
928094305191	500 °C
928094305192	500 °C
928083705125	650 °C
928084605131	650 °C
928089805131	700 °C
928094205131	700 °C

Light Technical (1/2)

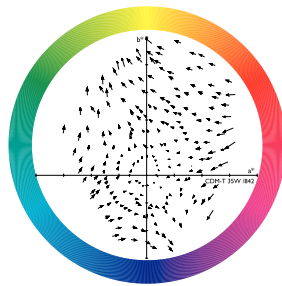
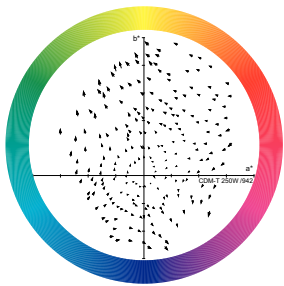
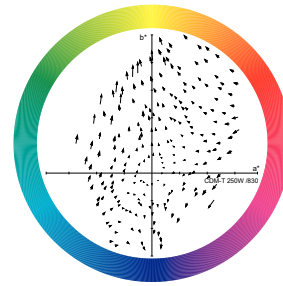
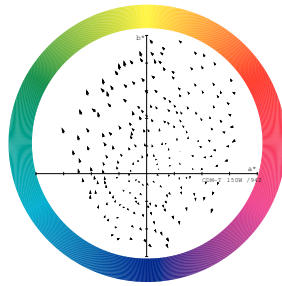
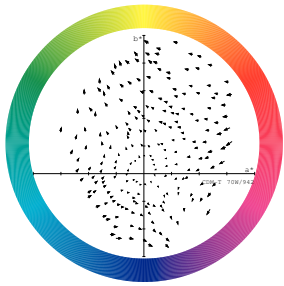
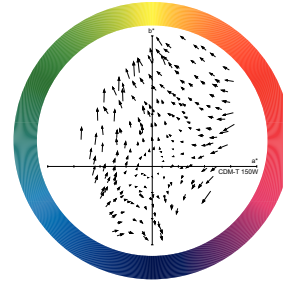
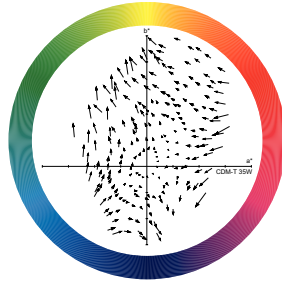
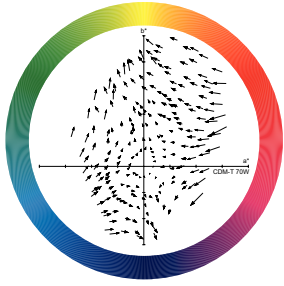
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order code	Chromaticity		Color Code	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 2000 h (Min)
	Coordinate X (Nom)	Coordinate Y (Nom)						
928082305125	0.432	0.395	830	Warm White (WW)	3000 K	84	70 %	75 %
928082305129	0.432	0.395	830	Warm White (WW)	3000 K	84	70 %	75 %
928082305176	0.432	0.395	830	Warm White (WW)	3000 K	84	70 %	75 %
928082305191	0.432	0.395	830	Warm White (WW)	3000 K	84	70 %	75 %
928082305192	0.432	0.395	830	Warm White (WW)	3000 K	84	70 %	75 %
928084505129	0.377	0.376	942	Cool White (CW)	4200 K	92	65 %	75 %
928084505131	0.377	0.376	942	Cool White (CW)	4200 K	92	65 %	75 %
928084505191	0.377	0.376	942	Cool White (CW)	4200 K	92	65 %	75 %
928084505192	0.377	0.376	942	Cool White (CW)	4200 K	92	65 %	75 %
928083105125	0.428	0.397	830	Warm White (WW)	3000 K	81	50 %	70 %
928083105129	0.428	0.397	830	Warm White (WW)	3000 K	81	50 %	70 %
928083105176	0.428	0.397	830	Warm White (WW)	3000 K	81	50 %	70 %
928083105191	0.428	0.397	830	Warm White (WW)	3000 K	81	50 %	70 %
928083105192	0.428	0.397	830	Warm White (WW)	3000 K	81	50 %	70 %
928094305125	0.370	0.367	842	Cool White (CW)	4200 K	84	70 %	80 %
928094305129	0.370	0.367	842	Cool White (CW)	4200 K	84	70 %	80 %
928094305191	0.370	0.367	842	Cool White (CW)	4200 K	84	70 %	80 %
928094305192	0.370	0.367	842	Cool White (CW)	4200 K	84	70 %	80 %
928083705125	0.436	0.396	830	Warm White (WW)	3000 K	88	60 %	65 %
928084605131	0.375	0.363	942	Cool White (CW)	4200 K	96	70 %	75 %
928089805131	0.435	0.393	830	Warm White (WW)	3000 K	85	92 %	-
928094205131	0.376	0.368	942	Cool White (CW)	4200 K	91	86 %	-

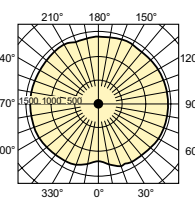
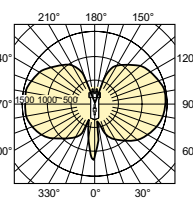
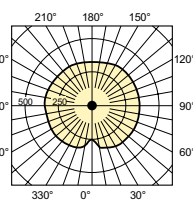
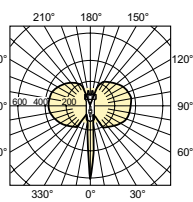
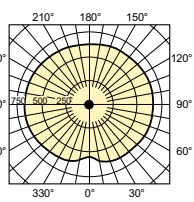
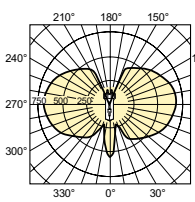
Light Technical (2/2)

order code	Lumen Maintenance 2000 h	Lumen Maintenance 5000 h	Lumen Maintenance 5000 h	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
	(Nom)	(Min)	(Nom)		
928082305125	85 %	70 %	80 %	88 lm/W	6400 lm
928082305129	85 %	70 %	80 %	88 lm/W	6400 lm
928082305176	85 %	70 %	80 %	88 lm/W	6400 lm
928082305191	85 %	70 %	80 %	88 lm/W	6400 lm
928082305192	85 %	70 %	80 %	88 lm/W	6400 lm
928084505129	85 %	65 %	75 %	86 lm/W	6300 lm
928084505131	85 %	65 %	75 %	86 lm/W	6300 lm
928084505191	85 %	65 %	75 %	86 lm/W	6300 lm
928084505192	85 %	65 %	75 %	86 lm/W	6300 lm
928083105125	80 %	60 %	70 %	79 lm/W	3000 lm
928083105129	80 %	60 %	70 %	79 lm/W	3000 lm
928083105176	80 %	60 %	70 %	79 lm/W	3000 lm
928083105191	80 %	60 %	70 %	79 lm/W	3000 lm
928083105192	80 %	60 %	70 %	79 lm/W	3000 lm
928094305125	90 %	75 %	85 %	79 lm/W	3100 lm
928094305129	90 %	75 %	85 %	79 lm/W	3100 lm
928094305191	90 %	75 %	85 %	79 lm/W	3100 lm
928094305192	90 %	75 %	85 %	79 lm/W	3100 lm
928083705125	75 %	60 %	70 %	90 lm/W	13200 lm
928084605131	85 %	70 %	80 %	83 lm/W	12000 lm
928089805131	98 %	-	97 %	111 lm/W	24780 lm
928094205131	98 %	-	94 %	105 lm/W	23400 lm

Color Rendering Diagrams



Light Distribution Diagrams



Light Distribution Diagrams

