



CDM-T 70W G12

Product Description

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

Product Features

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

Product 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

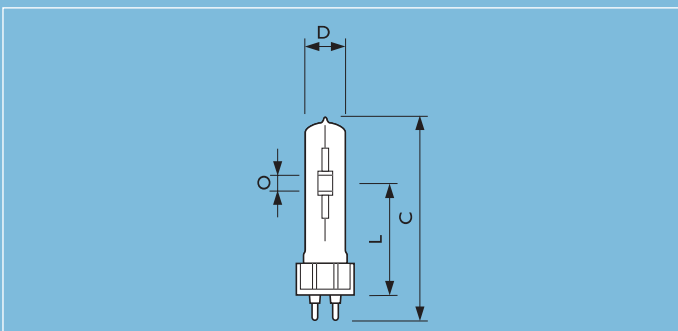
Application

- Shops and shop windows, offices and public buildings
- Decorative outdoor: floodlighting and pedestrian areas
- Must be used in closed luminaires with a proper cover (IEC 61167 and 60598)
- Must be used in combination with a ballast and an ignitor, or electrical gear
- A high-current protection device (thermo-switch) in the gear is mandatory (IEC 61167)
- If there is a constant voltage deviation of more than 3% of the rated voltage, a different ballast rating/tap must be used
- Electronic gear can be used, and increases lamp-life, improves system efficacy, and eliminates visible flicker

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Dimensions in mm



Dim. no.	C max.	D max.	L nom.	O nom.
1	103	20	56	5
2	103	20	56	7
3	103	20	56	6
4	110	20	56	9
5	110	20	56	8

Preferred selection

Type	EOC	Cap/ Base	Packing configuration	Luminous Flux Lamp EM (lm)	Colour Temperature (k)	Operating position	Dim. no.	Colour Rendering Index (R _a)
MASTER Colour CDM-T 35W/830 G12	196972 15	G12	12	3300	3000	ANY	1	81
MASTER Colour CDM-T 70W/830 G12	196996 15	G12	12	6600	3000	ANY	2	81
MASTER Colour CDM-T 70W/942 G12	199270 15	G12	12	6600	4200	ANY	3	92
MASTER Colour CDM-T 150W/830 G12	197801 15	G12	12	14000	3000	ANY	4	85
MASTER Colour CDM-T 150W/942 G12	200051 15	G12	12	12700	4200	ANY	5	96

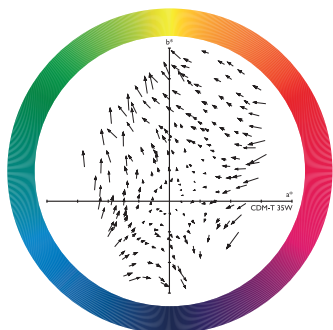
Type	Lamp Voltage (V)	Cap/Base Temperature max. (° C)	Bulb Temperature max. (° C)	Lamp Current Run-up max. (A)	Dimmable	System Power	Re-ignition Time max. (min.)	Run-up Time 90% max. (min.)
MASTER Colour CDM-T 35W/830 G12	88	280	500	0.8	No	47	15	3
MASTER Colour CDM-T 70W/830 G12	88	280	500	1.4	No	88	15	3
MASTER Colour CDM-T 70W/942 G12	88	280	500	1.4	No	88	15	3
MASTER Colour CDM-T 150W/830 G12	96	280	650	2.5	No	165	15	3
MASTER Colour CDM-T 150W/942 G12	90	280	650	2.5	No	165	15	3

Type	Lamp Current EM (A)	Lamp Wattage EM (W)	Recommended ballast	Net weight per piece (g)	Ignition Peak Voltage max. (V)	Ignition Supply Voltage min. (V)	Ignition Time max. (sec.)	Colour Designation
MASTER Colour CDM-T 35W/830 G12	0.53	38	HID-PV 035/...	27	5000	198	30	Warm White
MASTER Colour CDM-T 70W/830 G12	0.98	71	HID-PV 070/...	29	5000	198	30	Warm White
MASTER Colour CDM-T 70W/942 G12	0.98	72	HID-PV 070/...	29	5000	198	30	Cool White
MASTER Colour CDM-T 150W/830 G12	1.80	147	HID-PV 150/...	33	5000	198	30	Warm White
MASTER Colour CDM-T 150W/942 G12	1.90	145	HID-PV 150/...	33	5000	198	30	Cool White

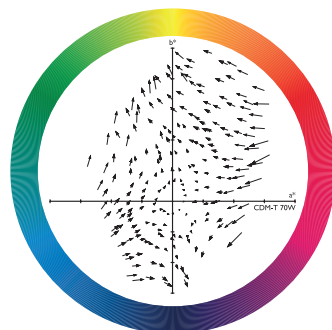
Type	Chromaticity Coordinate X	Chromaticity Coordinate Y	Bulb finish	Luminous Efficacy Lamp EM (lm/W)	ILCOS	Pinch Temperature max. (° C)	Mains Voltage Stable Operation min. (V)
MASTER Colour CDM-T 35W/830 G12	428	397	Clear	87	MT-35/30/1B-H-G12	350	198
MASTER Colour CDM-T 70W/830 G12	428	394	Clear	93	MT-70/30/1B-H-G12	350	198
MASTER Colour CDM-T 70W/942 G12	372	369	Clear	92	MT-70/42/1A-H-G12	350	198
MASTER Colour CDM-T 150W/830 G12	436	396	Clear	95	MT-150/30/1B-H-G12	350	198
MASTER Colour CDM-T 150W/942 G12	375	363	Clear	88	MT-150/42/1A-H-G12	350	198

CRV diagrams

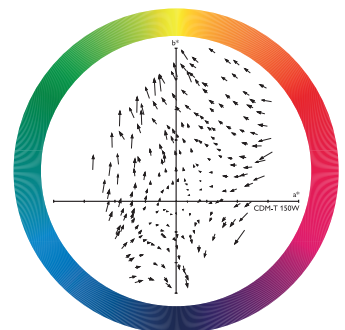
CDM-T 35W/380



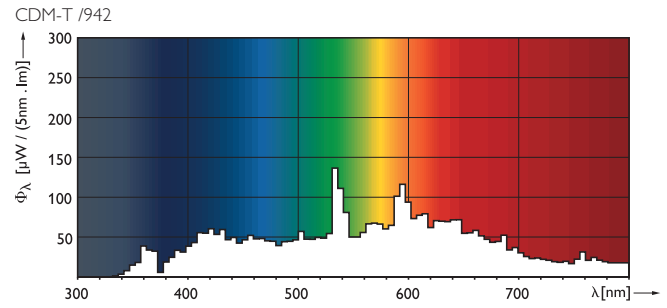
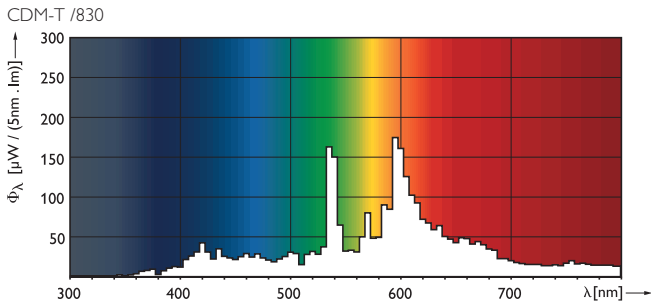
CDM-T 70W/380



CDM-T 150W/380

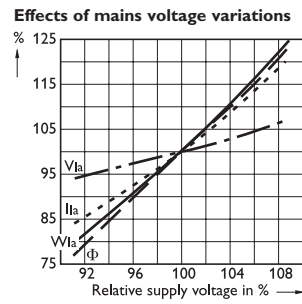
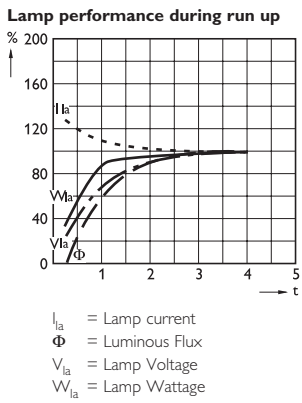


Spectral power distribution



Performance diagrams

MASTER Colour CDM-T /830



MASTER Colour CDM-T /942

