

H.I.D. lamps

MASTERcolour CDM-ET/CDM-TT



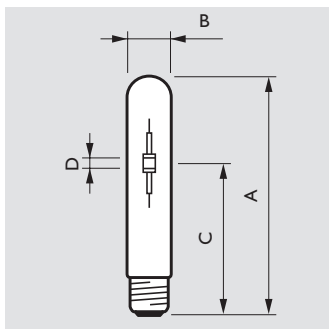
CDM-TT 70 W



CDM-TT 150 W

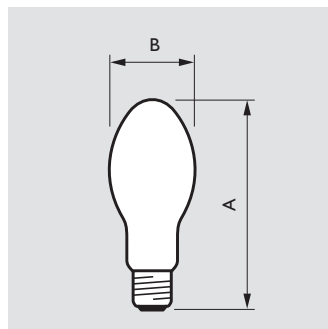


CDM-ET 70 W/150 W



Dimensions in mm

Type	A	B	C	D
	max.	max.	nom.	nom.
CDM-TT 70W	156	32	102	7
CDM-TT 150W	211	47	132	9



Type	A	B
	max.	max.
CDM-ET 70W	156	71
CDM-ET 150W	226	91

CDM-ET/830 and CDM-TT/830 lamps are high-intensity discharge lamps in which a CDM discharge tube is placed in a SON lamp outer bulb.

The result is a robust lamp giving a pleasant white light (colour temperature 3000 K), a stable colour over lifetime and an excellent colour rendering (CRI > 80).

The lamps are ideal for outdoor lighting in residential areas and for city beautification.

The lamps are available in 70 W and 150 W with a clear tubular outer bulb (CDM-TT), and in 70 W with a white coated elliptical outer bulb (CDM-ET). The 70 W has a standard E27 screw base and the 150 W a standard E40 screw base.

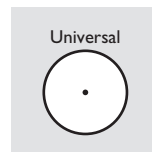
The lamps are compatible with SON ballasts and SON ignitors.

Applications

- City beautification
- city centres
- squares and parks
- shopping centres
- pedestrian areas
- illumination
- Road lighting
- residential areas
- roundabouts

Points for special attention

- CDM-ET and CDM-TT lamps have to be used in closed luminaires.
- They have to be used with a SON ballast and SON ignitor in accordance with SON IEC Standards. This means for the 70 W that the ignition pulse must be between 1.8 kV and 2.5 kV.
- For optimum lamp performance the mains voltage may deviate max. +6/-8 % from the voltage indicated on the type plate.
- Warm restart time can be up to 15 minutes. If the lamp does not start (e.g. with T5 ignitors) the installation has to be switched off for 15 minutes.
- Because of the negative effects of dimming on the lamp performance (lumen maintenance, colour and life), CDM-ET and CDM-TT lamps are not recommended for dimming.



Burning position

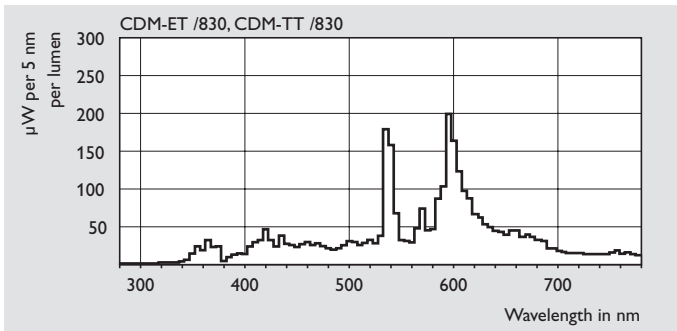


Commercial name	Type	Cap/ base	Colour rendering index	Lumen output	Lamp wattage	Lamp voltage	Lamp current	Minimum ignition supply voltage	Efficacy lamp	Correlated colour temperature	Chrom. coord.	Chrom. coord.	Nett weight	EOC
MASTERcolour CDM-ET	CDM-ET 70W /830	E27	83	5900	72	90	1.0	198	82	3000	428	404	60	201553
MASTERcolour CDM-ET	CDM-ET 150W /830	E40	85	13000	147	100	1.8	198	88	3000	443	401	165	201812
MASTERcolour CDM-TT	CDM-TT 70W /830	E27	83	6300	72	90	1.0	198	88	3000	428	404	52	200518
MASTERcolour CDM-TT	CDM-TT 150W /830	E40	85	13500	147	100	1.8	198	92	3000	443	401	155	200495

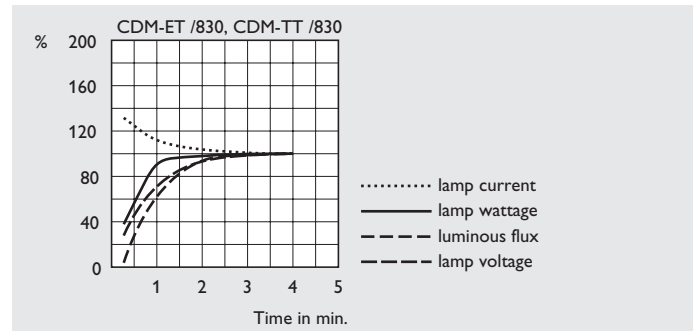


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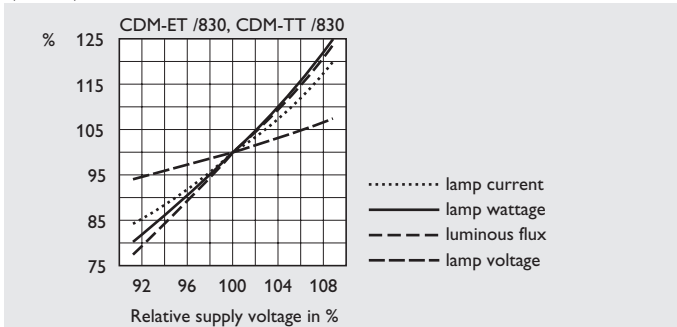
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Spectral power distribution



Lamp performance during run-up



Effects of mains voltage variations