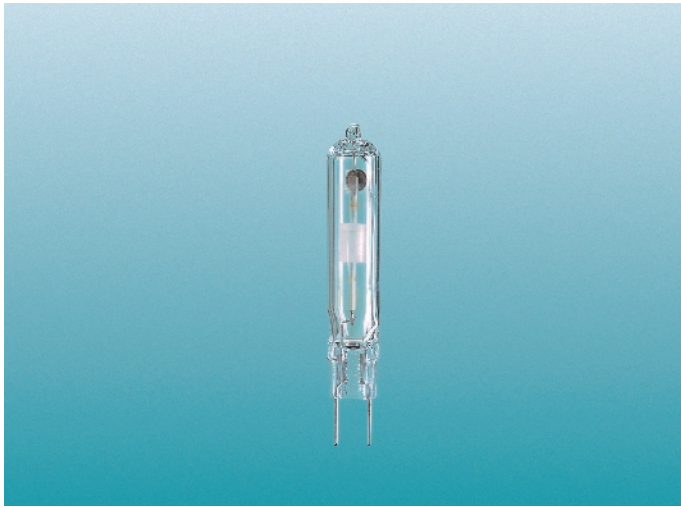


# H.I.D. lamps

# MASTERcolour CDM-TC

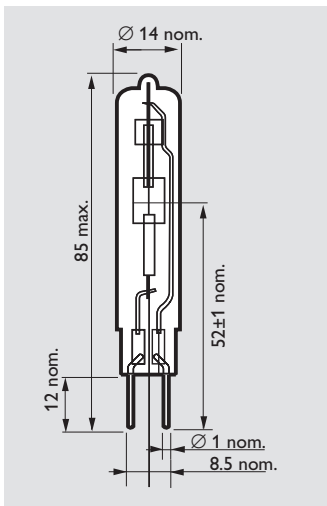


These are the most compact discharge lamps in the Mastercolour family, offering a sparkling light, a warm colour impression and an excellent colour rendering. Features of the CDM-TC /830, the smallest CDM-T lamp, include: stable colour over life, high efficiency, a CRI > 80, a long life compared to incandescent and halogen lamps, and a UV-block quartz outer bulb. CDM-TC have to be used with gear, preferably with the electronic MHC gear, thus offering minimum system volume, flicker-free operation and optimal performance.

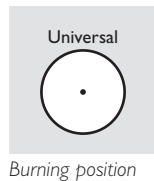
If conventional gear is used, a high-current or DC current protection device is mandatory, both for the ignitor and the ballast (conforming to IEC 1167). The lamps must be used in closed luminaires. For general lighting a hardened front glass is needed. Burning position: universal.

### Applications

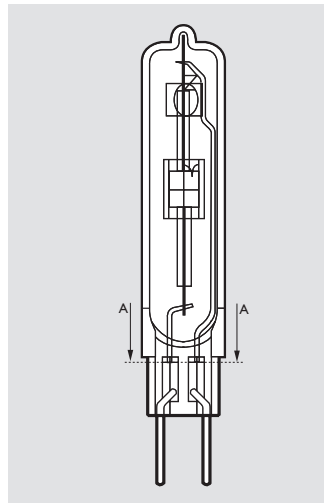
- Accent lighting in shops



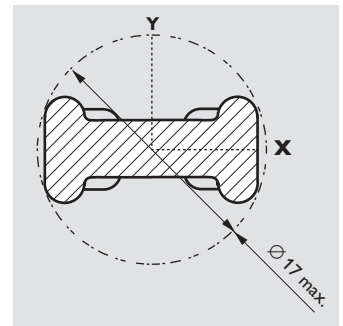
Dimensions in mm



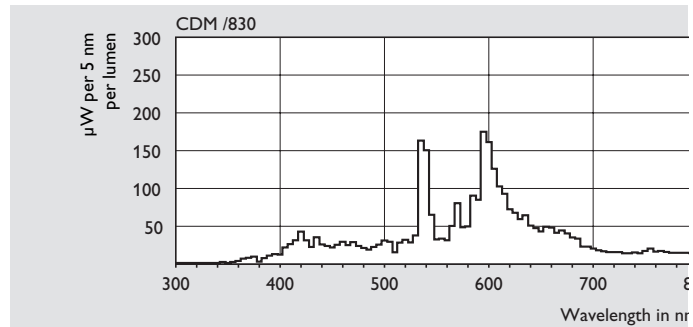
Burning position



Detailed drawing



Cut-away A-A



Spectral power distribution

Note  
THE CDM-TC 70W IS EXPECTED FOR FULL RELEASE  
SPRING 2000.

Commercial name	Type	W	V	Lamp current	Lumen output	Correlated colour temperature	Chromaticity coordinate	Chromaticity coordinate	Colour rendering index	Colour spread max. at 100h	Colour spread max. at 5000h
				A	lm	K	x	y		K	K
MASTERcolour CDM-TC	CDM-TC 35W/830	38	88	0.5	3300	3000	432	394	81	±150	±200
MASTERcolour CDM-TC	CDM-TC 70W/830	71	88	1.0	6600	3000	434	398	83	±150	±200

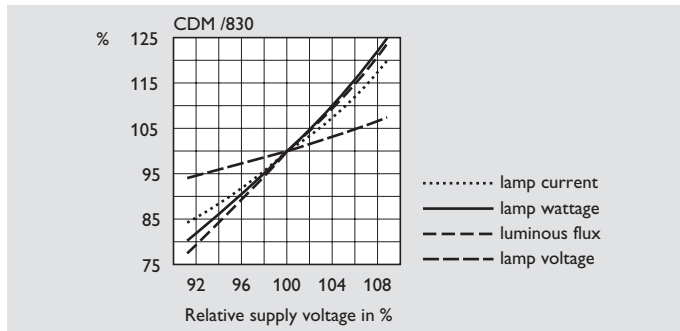
  

Commercial name	Type	W	Maximum lamp starting current	Efficacy of a source	P <sub>system</sub> conv. gear	P <sub>system</sub> electronic gear MHC	Run-up time	Maximum permissible bulb temperature	Maximum permissible base/pinch temperature	Ilcos code	EOC
			A	lm/W	W	W	min.	°C	°C		
MASTERcolour CDM-TC	CDM-TC 35W/830	38	0.8	87	47	44	3	500	300	MT-35/30/1B-H-G8.5	200006
MASTERcolour CDM-TC	CDM-TC 70W/830	71	1.4	93	88	83	3	550	300	MT-70/30/1B-H-G8.5	201676

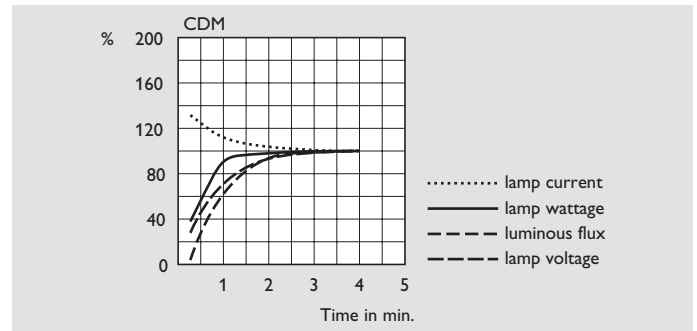


# H.I.D. Lamps

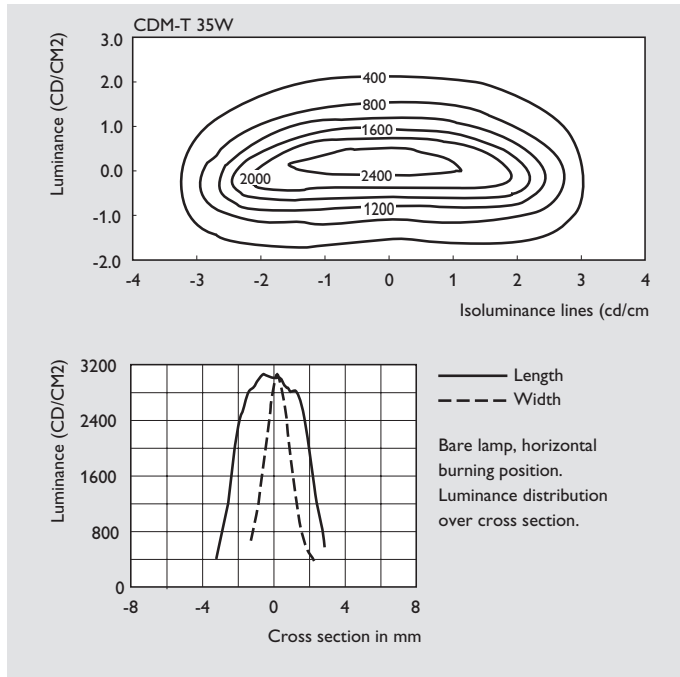
# MASTERcolour CDM-TC



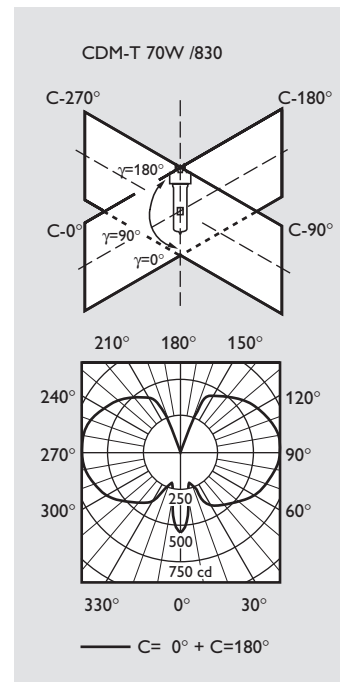
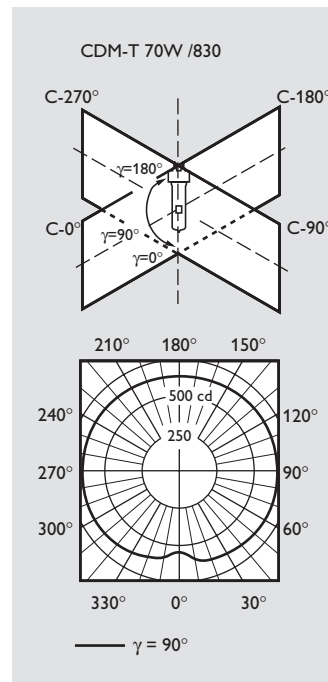
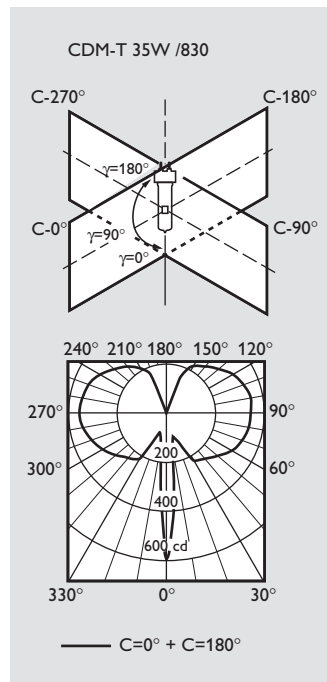
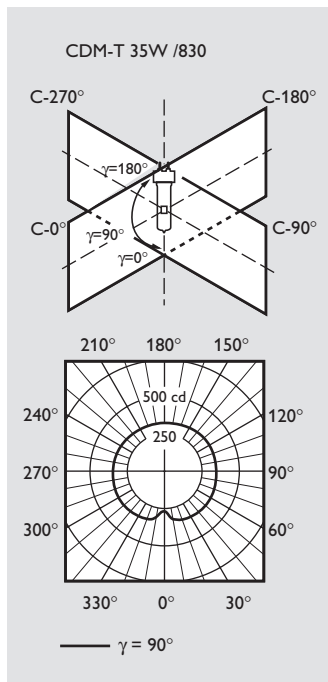
Effects of mains voltage variations



Lamp performances during run-up



Luminance distribution



Polar light distributions

