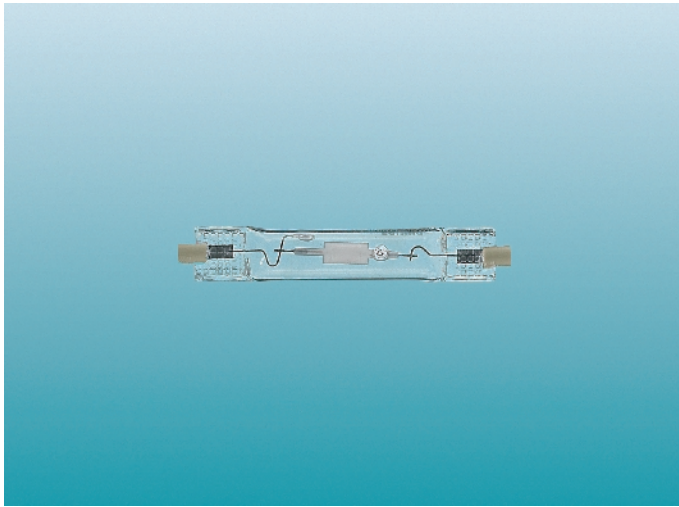
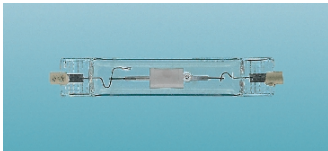


H.I.D. lamps

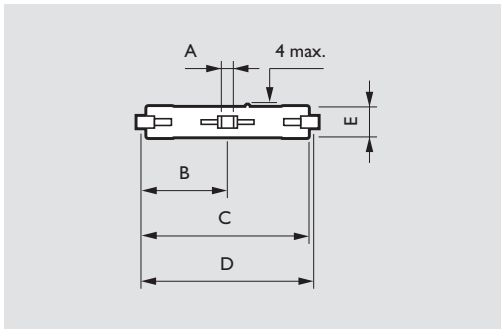
MASTERcolour CDM-TD



70 W

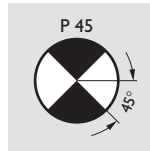


150 W



Dimensions in mm

Type	A nom.	B nom.	C max.	D max.	E max.
Cap/base RX7S					
CDM-TD 70W	8.0	57.1	114.2	117.6	22
CDM-TD 150W	10.0	66.0	132.0	135.4	25



Burning position

CDM-TD/830-/942 are compact discharge lamps with a stable colour over lifetime, a sparkling light, a warm (3000 K) or fresh white (4200 K) colour impression and an excellent colour rendering. CRI > 80 (3000 K) or > 90 (4200 K).

High beam intensities can be created thanks to the small discharge arc and the compact dimensions of the lamp.

Low operating costs result from the high lamp efficacy, combined with a long lamp life compared to incandescent and halogen lamps. The lamps feature a UV-block quartz outer bulb and personal comfort is increased thanks to the low heat output.

CDM-TD lamps have to be used in combination with a ballast and an ignitor.

A high current protection device is mandatory (IEC II67).

For constant voltage deviations of more than 3 % of the rated voltage, another ballast rating/tap must be used. Electronic gear, like the Philips MHC/EMC, can also be used, especially to eliminate visible flicker.

The lamps must be used in closed luminaires and a hard glass cover is needed.

Burning position: horizontal +/- 45 degrees.

Note
ALL LAMPS IN UV-BLOCK FOR REDUCED FADING RISK.

Applications

- Shops and shop windows.
- Offices and public buildings.
- Floodlighting of facades, statues and monuments.

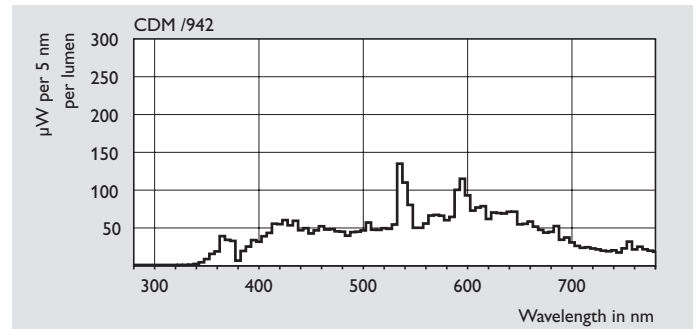
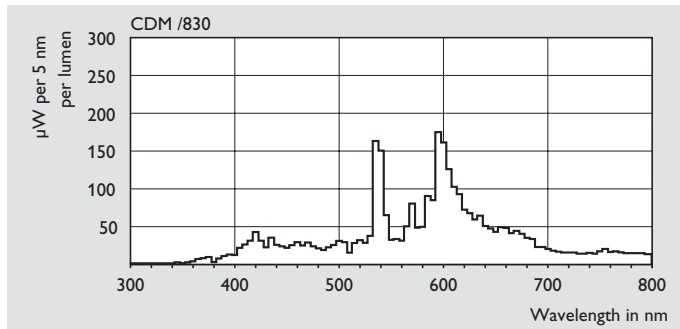
Commercial name	Type	Cap/ base	Colour rendering index	Lumen output	Lamp wattage	Lamp voltage	Lamp current	Maximum lamp current	Minimum ignition supply voltage	Efficacy lamp	P _{system} conv. gear	P _{system} electronic gear MHC
			R _a 8	lm	W	V	A	A	V	lm/W	W	W
CDM-TD												
MASTERcolour CDM-TD	CDM-TD 70W/830	RX7S	82	6500	71	92	1.0	1.4	198	91	88	83
MASTERcolour CDM-TD	CDM-TD 70W/942	RX7S	92	6000	71	89	1.0	1.4	198	85	87	83
MASTERcolour CDM-TD	CDM-TD 150W/830	RX7S-24	88	13250	145	96	1.8	2.5	198	91	165	170
MASTERcolour CDM-TD	CDM-TD 150W/942	RX7S-24	96	14200	149	100	1.8	2.5	198	95	165	170

Commercial name	Type	Correlated colour temperature	Chromaticity coordinate	Chromaticity coordinate	Maximum permissible base/pinch temperature	Maximum permissible bulb temperature	Nett weight	Ilcos code	EOC
		T _c	x	y	°C	°C	g		
CDM-TD									
MASTERcolour CDM-TD	CDM-TD 70W/830	3000	436	397	280	500	21	MD-70/30/1B-H-Rx7s	197825
MASTERcolour CDM-TD	CDM-TD 70W/942	4200	375	364	280	500	21	MD-70/42/1A-H-Rx7s	200020
MASTERcolour CDM-TD	CDM-TD 150W/830	3000	431	390	300	650	30	MD-150/30/1B-H-Rx7s	197849
MASTERcolour CDM-TD	CDM-TD 150W/942	4200	370	368	300	650	30	MD-150/42/1A-H-Rx7s	200259

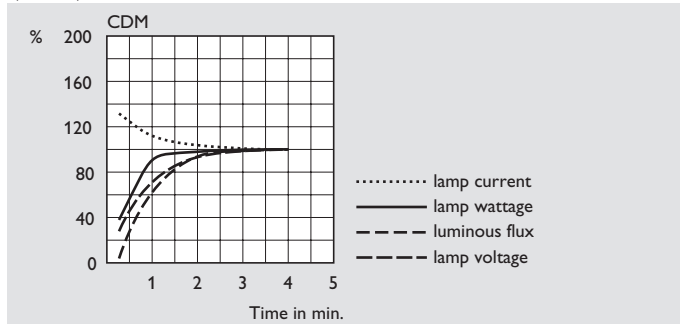


H.I.D. lamps

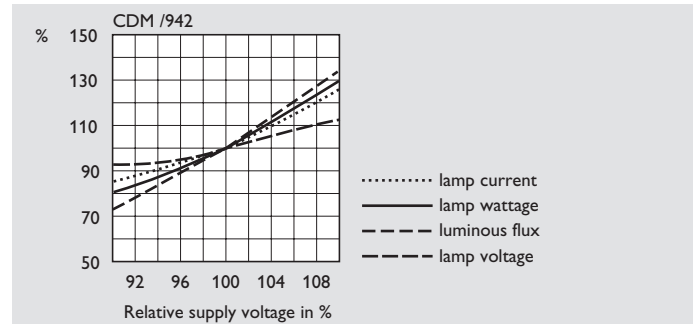
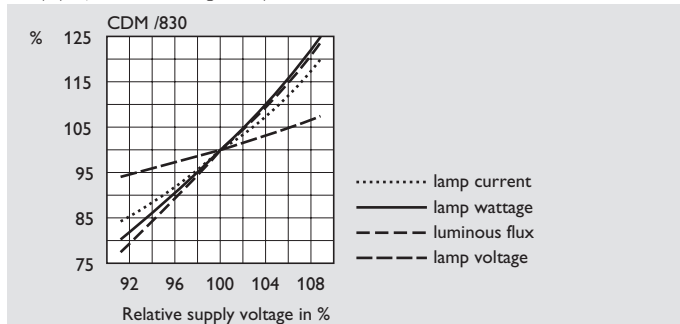
MASTERcolour CDM-TD



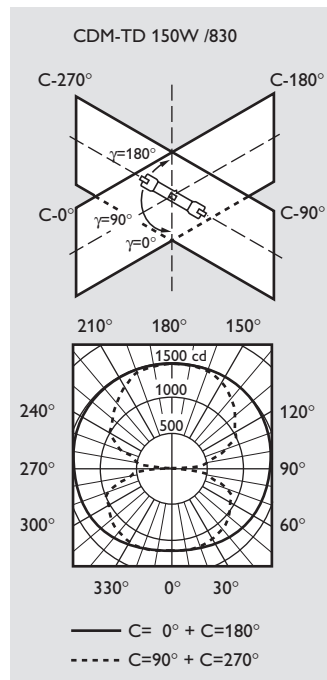
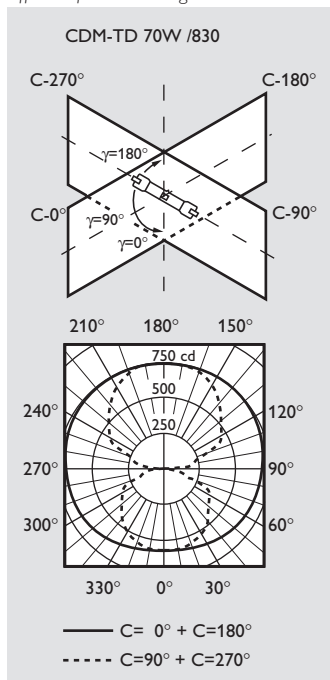
Spectral power distributions



Lamp performance during run-up



Effects of mains voltage variations



Polar light distributions Note: For the 1942 lamps, a similar light distribution applies.