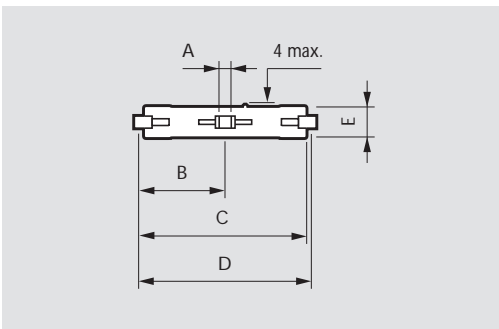


70 W

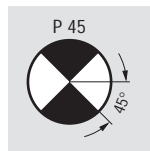


150 W



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	21.0
CDM-TD 150W	10.0	66.0	132.0	135.4	24.0



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 1167). For constant voltage deviations of more than 3 % of the rated voltage, another ballast rating/tap must be used. Electronic gear, like the Philips PrimaVision, 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

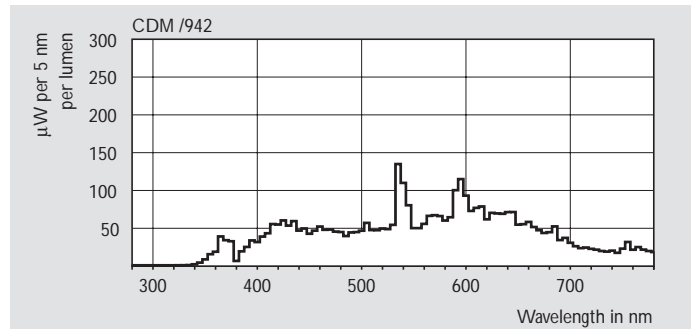
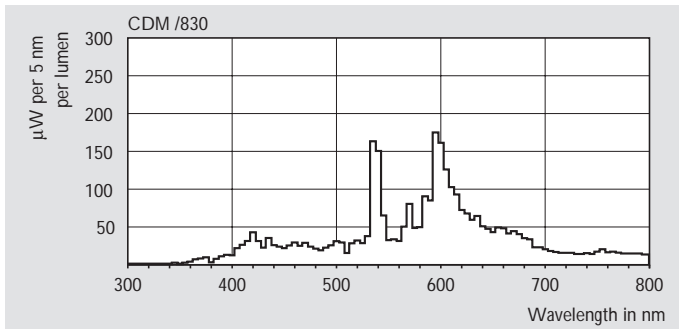
ALL LAMPS IN UV-BLOCK FOR REDUCED FADING RISK.

Applications

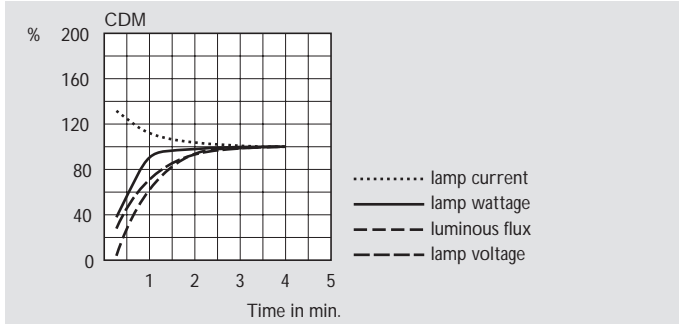
- Shops and shop windows.
- Offices and public buildings.
- Floodlighting of facades, statues and monuments.

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	Efficacy system FeCu	Efficacy system Electronic LF
			R _a 8	lm	W	V	A	A	V	lm/W	lm/W	lm/W
CDM-TD												
MASTER Colour CDM-TD	CDM-TD 70W/830	RX7S	82	6500	71	92	1.0	1.4	198	91	74	78
MASTER Colour CDM-TD	CDM-TD 70W/942	RX7S	92	6000	71	89	1.0	1.4	198	81	68	73
MASTER Colour CDM-TD	CDM-TD 150W/830	RX7S-24	88	13250	145	96	1.8	2.5	198	95	80	78
MASTER Colour CDM-TD	CDM-TD 150W/942	RX7S-24	96	14200	149	100	1.8	2.5	198	85	86	84

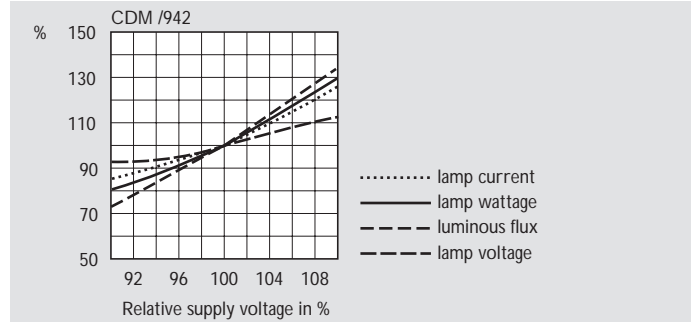
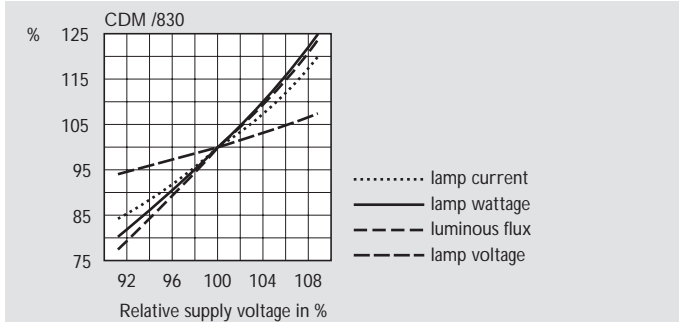
Commercial name	Type	Correlated colour temperature	Chromaticity coordinate	Chromaticity coordinate	Maximum permissible base/pinch temperature	Maximum permissible bulb temperature	Nett weight	EOC
		T _c K	x	y	°C	°C	g	
CDM-TD								
MASTER Colour CDM-TD	CDM-TD 70W/830	3000	434	397	280	500	21	202239
MASTER Colour CDM-TD	CDM-TD 70W/942	4200	375	364	280	500	21	200020
MASTER Colour CDM-TD	CDM-TD 150W/830	3000	431	390	300	650	30	202253
MASTER Colour CDM-TD	CDM-TD 150W/942	4200	370	368	300	650	30	200259



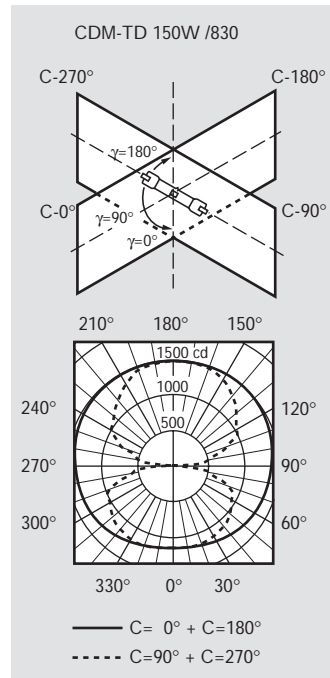
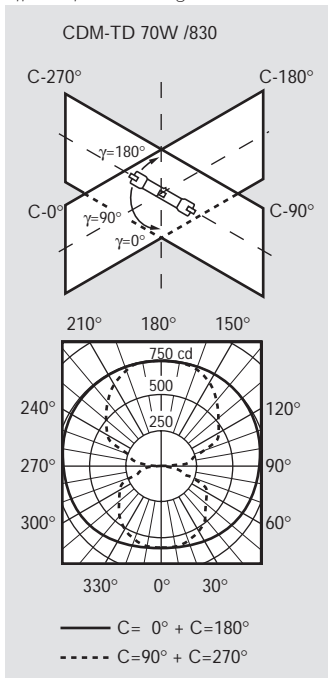
Spectral power distributions



Lamp performance during run-up



Effects of mains voltage variations



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