



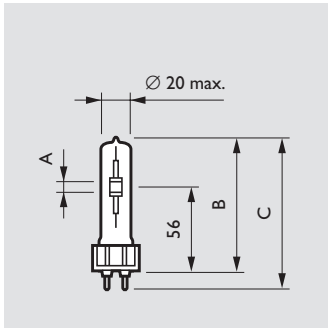
35W



70W



150W



Dimensions in mm

Type	A nom.	B max.	C max.
Cap/base G12			
CDM-T 35W	5	90	100
CDM-T 70W	7	90	100
CDM-T 150W	9	100	110

CDM-T/830-/942 are compact discharge lamps with a stable colour over lifetime, a sparkling light, a warm (3000K) for fresh white (4200K) colour impression and an excellent colour rendering. CRI >80 (3000K) or >90(4200K). High beam intensities can be created thanks to the small axially mounted discharge arc and compact dimensions of the lamp. Low operating costs result from the high lamp efficacy, combined with 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-T 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 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.

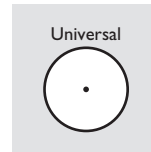
Burning position: universal.

Note

ALL LAMPS IN UV-BLOCK FOR REDUCED HEALTH /FADING RISK

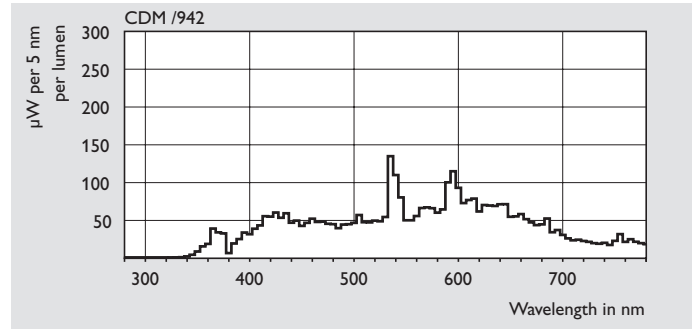
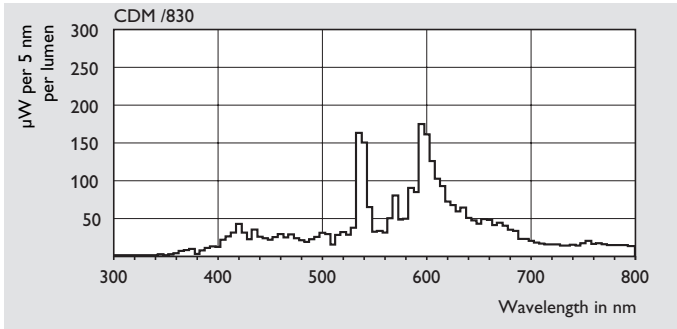
Applications

- Shops and shop windows.
- Offices and public buildings.
- Decorative outdoor : floodlighting and pedestrian areas.

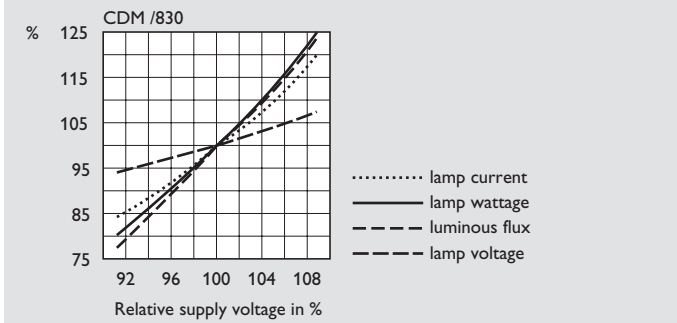


Burning position

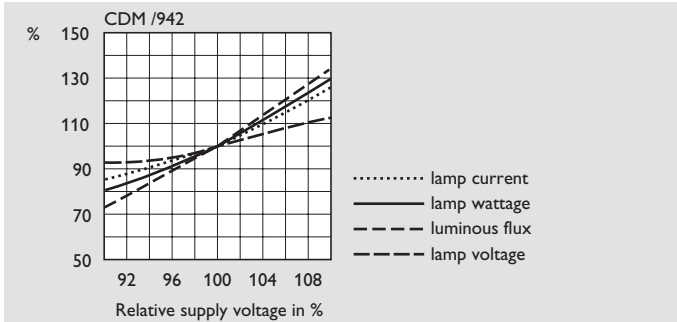
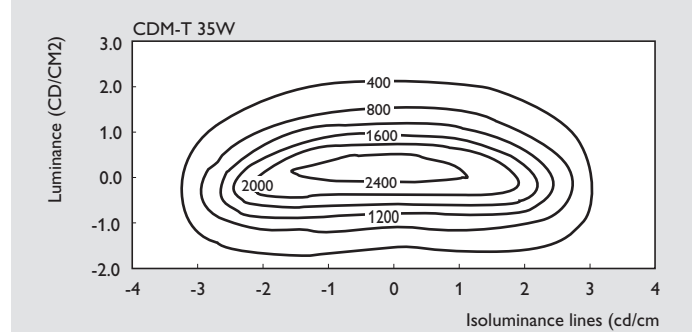
Type	Cap/ base rendering	Colour rendering Ra8	Lumen output index lm	Lamp wattage W	Lamp voltage V	Lamp current A	Max. lamp current A	Minimum ignition supply voltage V	Efficacy lamp lm/W	Efficacy system FeCu lm/W	Efficacy system Electronic LF lm/W
CDM-T											
CDM-T 35W /830	G12	81	3400	38	88	0.5	0.8	198	90	72	73
CDM-T 70W /830	G12	83	6600	71	88	1.0	1.4	198	94	78	79
CDM-T 70W /942	G12	92	6600	72	90	1.0	1.4	198	92	76	77
CDM-T 150W /830	G12	85	14000	147	96	1.8	2.5	198	95	82	84
CDM-T 150W /942	G12	96	12700	147	94	1.8	2.5	198	85	74	76
Type	Correlated colour temperature Tc K	Chromaticity coordinate x	Chromaticity coordinate y	Maximum permissible base/pinch temperature °C	Maximum permissible bulb temperature °C	Nett. weight g	Ilcos code	Ordering number			
CDM-T											
CDM-T 35W /830	3000	435	400	250	500	29	MT-35/30/1B-H-G12	9280 831 05100			
CDM-T 70W /830	3000	435	400	250	500	29	MT-70/30/1B-H-G12	9280 823 05100			
CDM-T 70W /942	4200	372	367	250	500	29	MT-70/42/1A-H-G12	9280 845 05100			
CDM-T 150W /830	3000	435	400	280	650	32	MT-150/30/1B-H-G12	9280 837 05100			
CDM-T 150W /942	4200	372	367	280	650	32	MT-150/42/1A-H-G12	9280 846 05100			



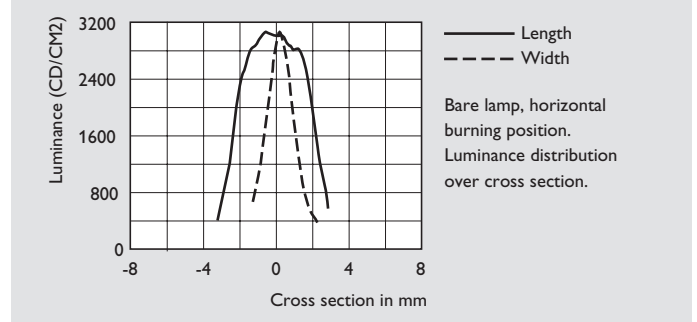
Spectral power distributions



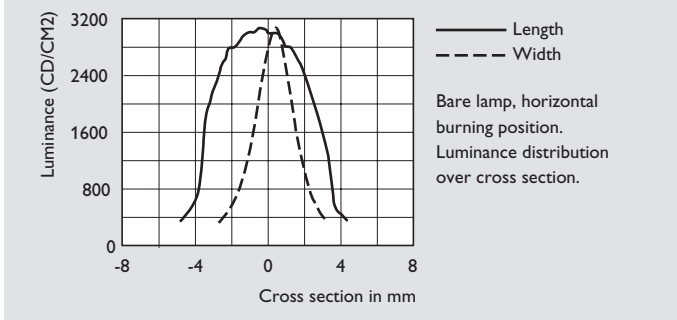
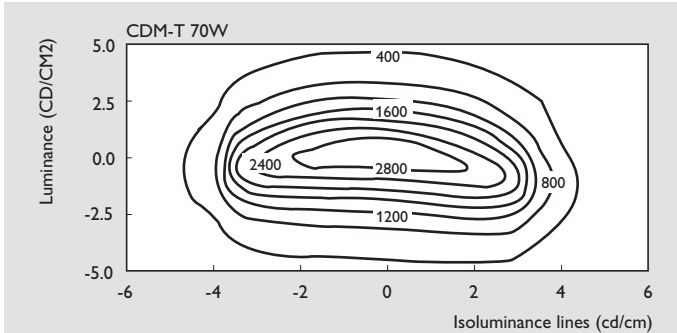
Effects of mains voltage variations



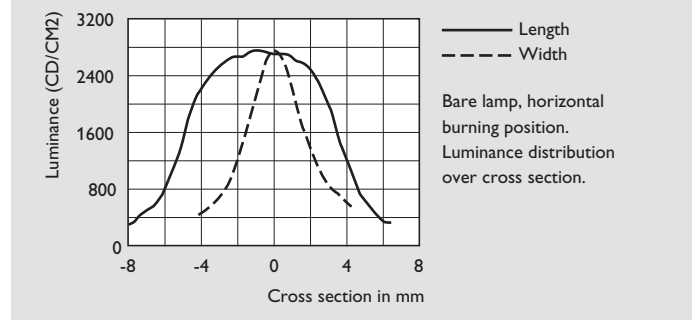
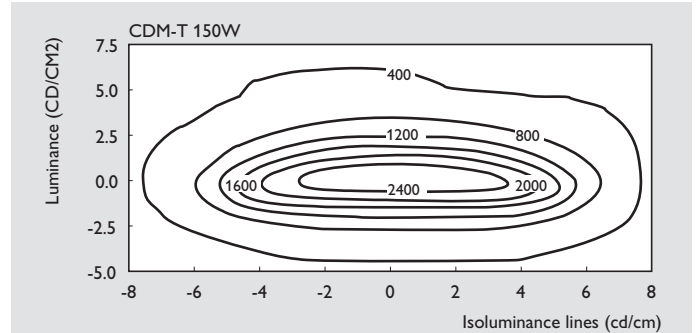
Effects of mains voltage variations

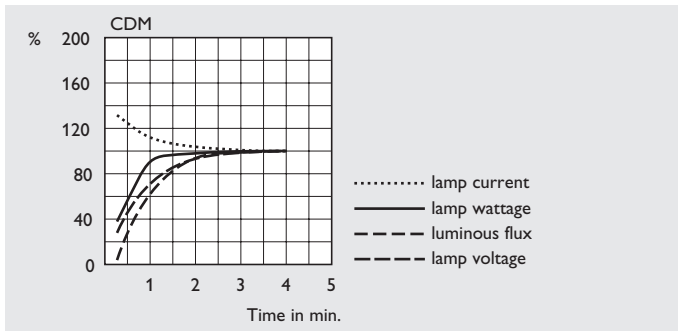


Luminance distributions

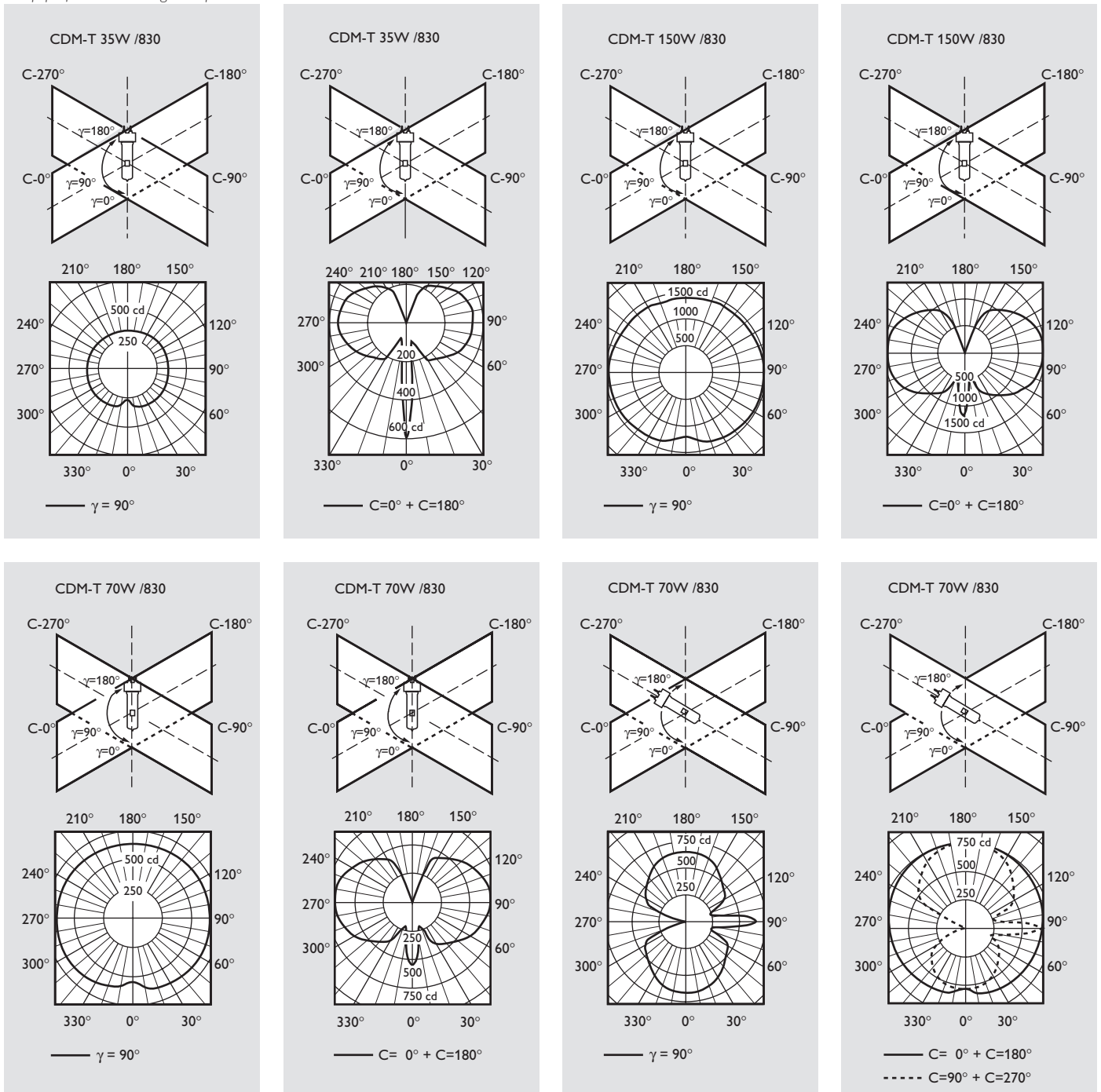


Luminance distributions














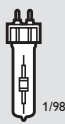



Lamp performance during run-up



Polar light distributions

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

Tc	3000K /830					4200K /942	
Type	CDM-TC	CDM-T	CDM-TD	CDM-R PAR20	CDM-R PAR30L	CDM-T	CDM-TD
35W							
70W							
150W							

Mastercolour CDM range