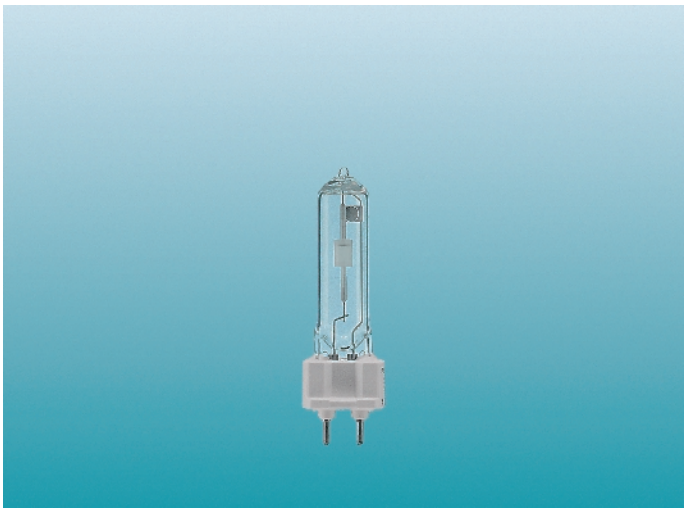
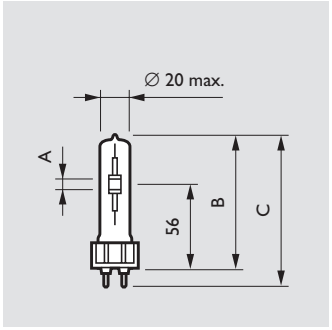


35 W

70 W

150 W



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 (3000 K) for 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 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).

Burning position

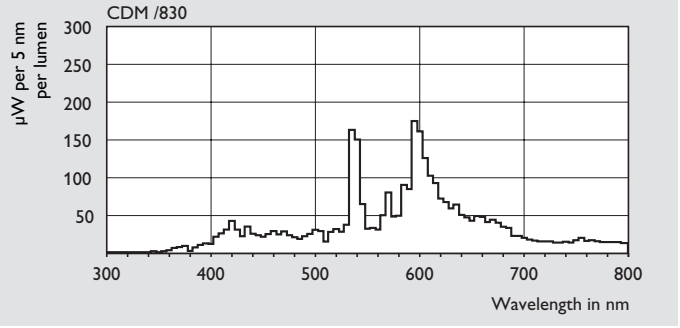
For constant voltage deviations of more than 3 % of the rated voltage, another ballast rating/tap must be used. Electronic gear, like the Philips MHC/EMC, can also be used, especially to eliminate visible 50 Hz flicker.
The lamps must be used in closed luminaires and a hard glass cover is needed.
Burning position: universal.

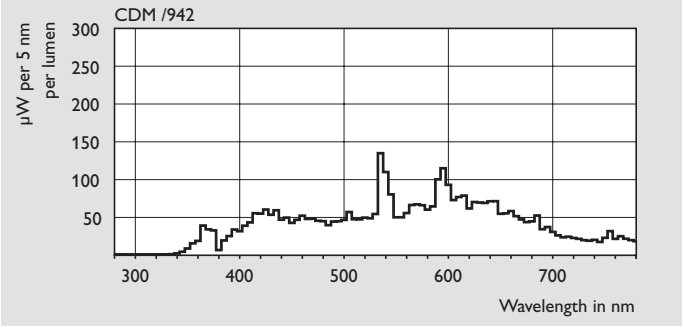
Note
ALL LAMPS IN UV-BLOCK FOR REDUCED FADING RISK

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

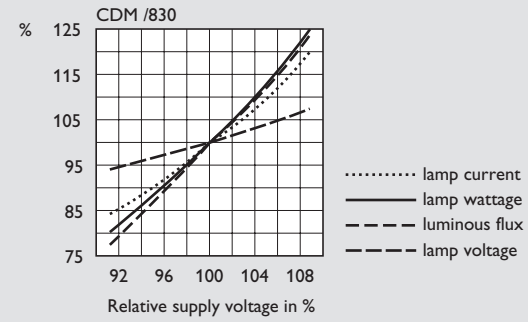
Commercial name	Type	Cap/ base	Colour rendering index	Lumen output	Lamp wattage	Lamp voltage	Lamp current	Max. lamp current	Minimum ignition supply voltage	Efficacy lamp	P_{system} conv. gear	P_{system} electronic gear MHC
			R_a8	lm	W	V	A	A	V	lm/W	W	W
CDM-T												
MASTERcolour CDM-T	CDM-T 35W /830	G12	81	3300	38	88	0.5	0.8	198	87	47	44
MASTERcolour CDM-T	CDM-T 70W /830	G12	81	6600	71	88	1.0	1.4	198	93	88	83
MASTERcolour CDM-T	CDM-T 70W /942	G12	92	6600	72	88	1.0	1.4	198	92	88	80
MASTERcolour CDM-T	CDM-T 150W /830	G12	85	14000	147	96	1.8	2.5	198	95	165	167
MASTERcolour CDM-T	CDM-T 150W /942	G12	96	12700	145	90	1.9	2.5	198	86	165	167

Commercial name	Type	Correlated colour temperature Tc	Chromaticity coordinate	Chromaticity coordinate	Maximum permissible base/pinch temperature	Maximum permissible bulb temperature	Nett. weight		Ilcos code	EOC
		K	x	y	°C	°C	g			
CDM-T										
MASTERcolour CDM-T	CDM-T 35W /830	3000	428	397	280	500	29	MT-35/30/1B-H-G12		196972
MASTERcolour CDM-T	CDM-T 70W /830	3000	428	394	280	500	29	MT-70/30/1B-H-G12		196996
MASTERcolour CDM-T	CDM-T 70W /942	4200	370	366	280	500	29	MT-70/42/1A-H-G12		199270
MASTERcolour CDM-T	CDM-T 150W /830	3000	436	396	280	650	33	MT-150/30/1B-H-G12		197801
MASTERcolour CDM-T	CDM-T 150W /942	4200	375	363	280	650	33	MT-150/42/1A-H-G12		200051

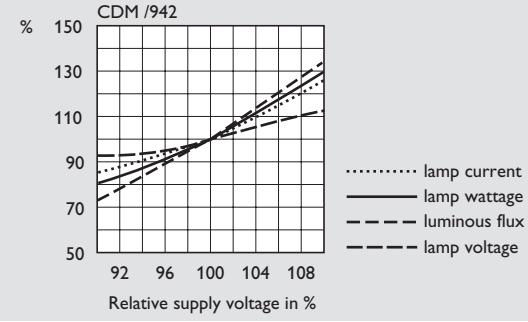




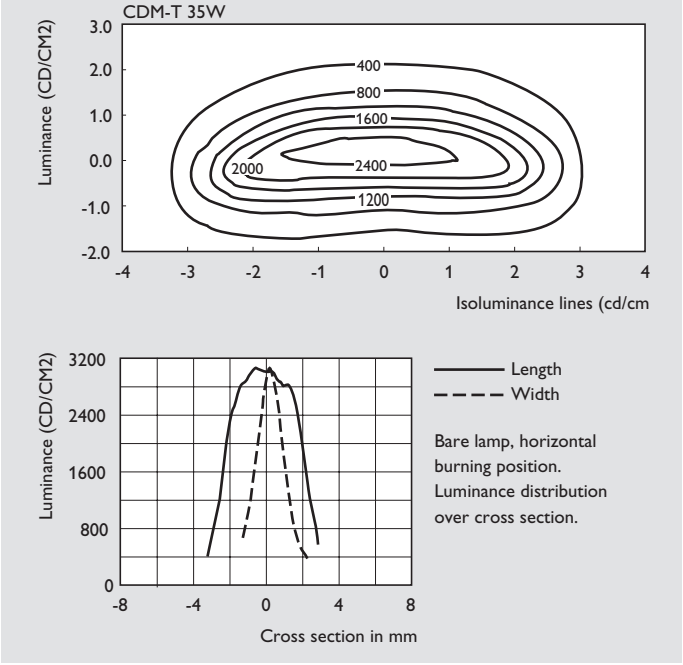
Spectral power distributions



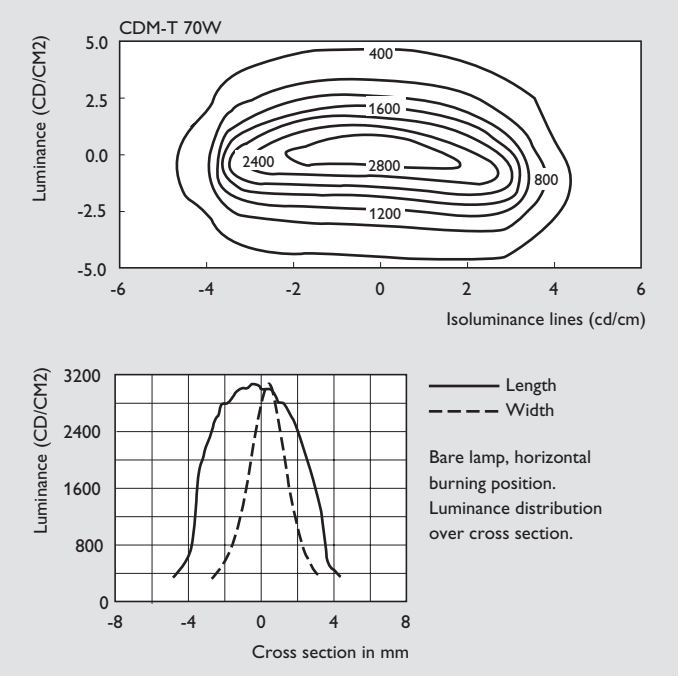
Effects of mains voltage variations

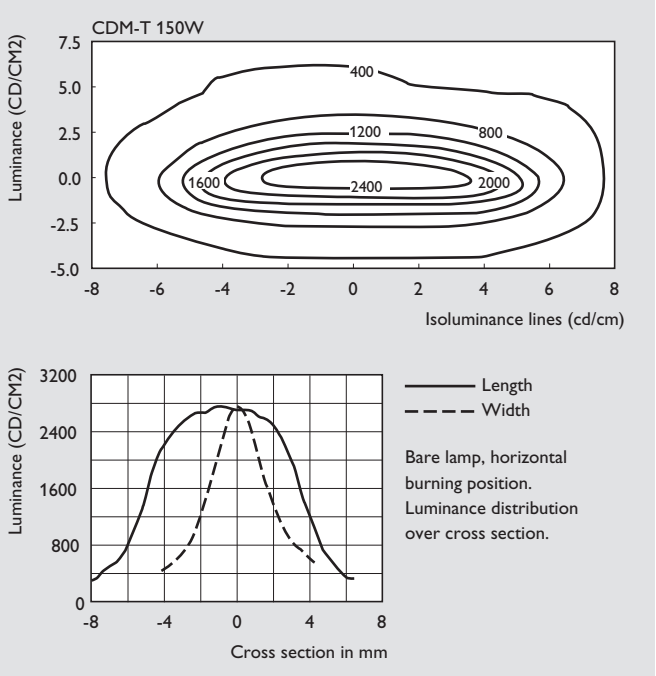


Effects of mains voltage variations



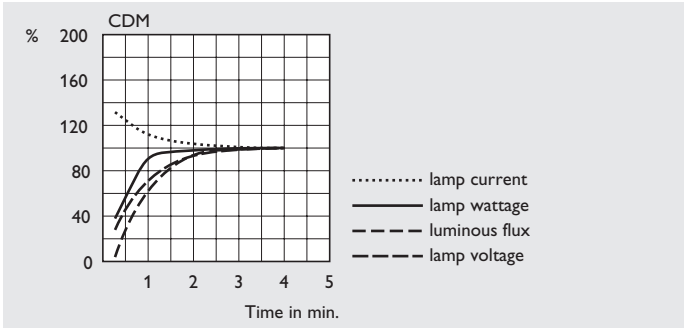
Luminance distributions



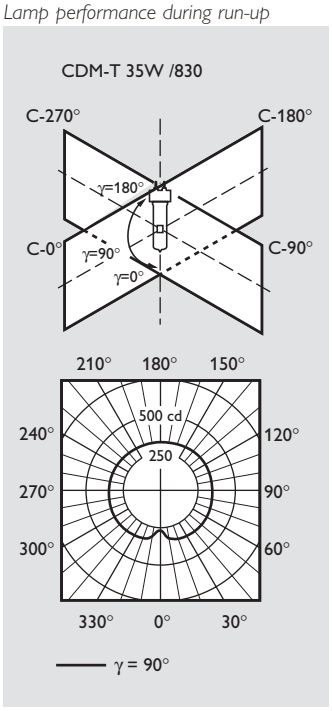


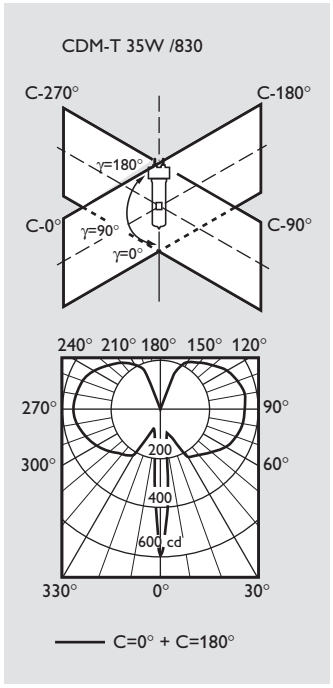
Luminance distributions

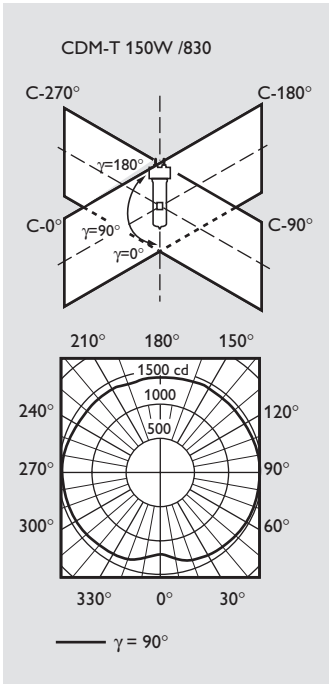
PHILIPS

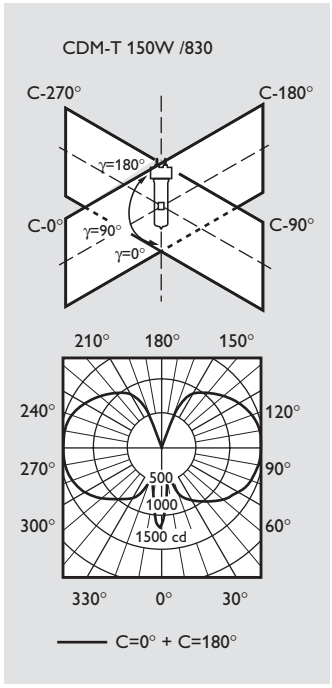


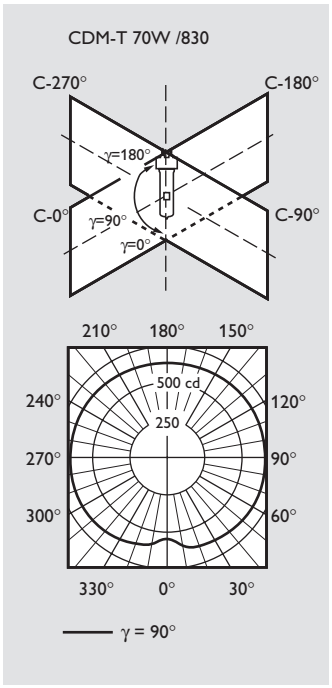
Lamp performance during run-up

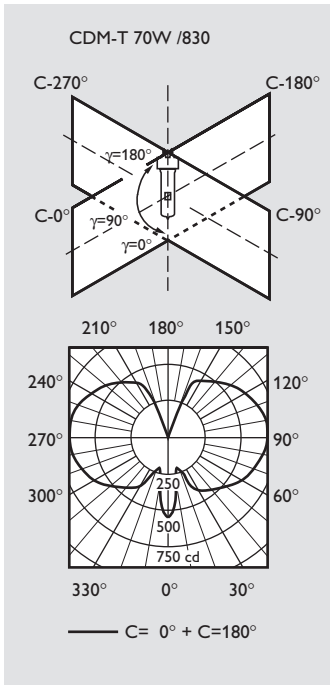


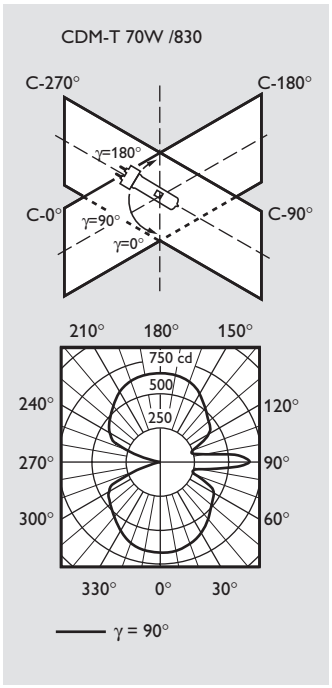


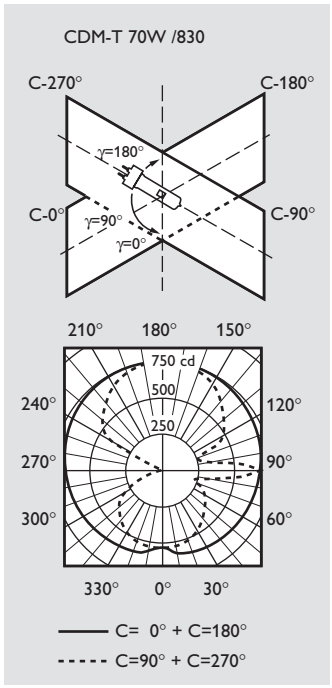












Polar light distributions

Note: For the /942 lamps, a similar light distribution applies.

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