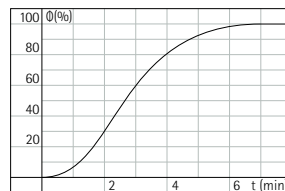
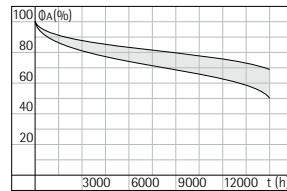
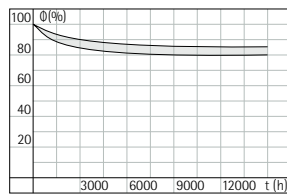
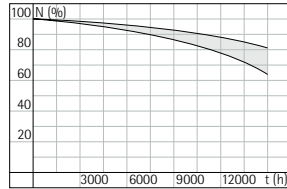
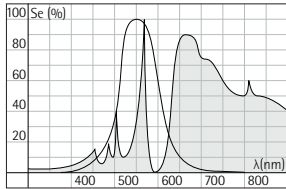


Relative spectral distribution $S_e(\lambda)$ of high-pressure sodium lamps. By increasing the pressure the spectrum is inverted, in contrast to low-pressure discharge. The result is wide spectral distribution with a minimum in the low-pressure sodium lamps.

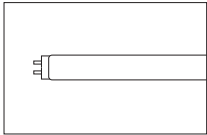


Run-up characteristic: lamp lumens Φ in re-lation to time t .

Proportion of functional lamps N , lamp lumens Φ and luminous flux of overall installation Φ_A (as the product of both values) in relation to the operating time t .

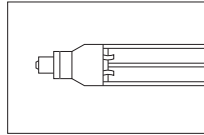
2.3 Light and light sources

2.3.2 Discharge lamps



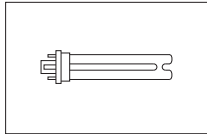
Fluorescent lamp				
Des.	P (W)	(lm)	l (mm)	d (mm)
T26	18	1350	590	26
	30	2400	895	
	36	3350	1200	
	38	3200	1047	
	58	5200	1500	
Cap: G13		Lamp life 7000 h		

Tubular fluorescent lamp (diameter 26 mm), of standard power.

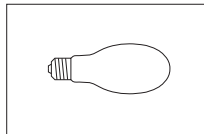


Low-pressure sodium lamp				
Des.	P (W)	(lm)	l (mm)	d (mm)
LST	35	4800	310	54
	55	8000	425	54
	90	13500	528	68
	Cap: BY22d		Lamp life 10000 h	

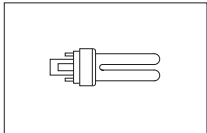
Single-ended low-pressure sodium lamp in the standard form with U-shaped discharge tube.



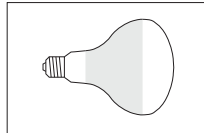
Compact fluorescent lamp				
Des.	P (W)	(lm)	l (mm)	d (mm)
TC	7	400	138	12
	9	600	168	
	11	900	238	
Cap: G23		Lamp life 8000 h		



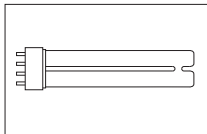
Mercury lamp				
Des.	P (W)	(lm)	l (mm)	d (mm)
HME	50	2000	130	55
	80	4000	156	70
	125	6500	170	75
	250	14000	226	90
Cap: E27/E40		Lamp life 8000 h		



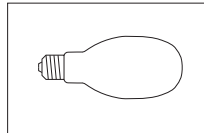
Compact fluorescent lamp				
Des.	P (W)	(lm)	l (mm)	d (mm)
TC-D	10	600	118	12
	13	900	153	
	18	1200	173	
	26	1800	193	
Cap: G24		Lamp life 8000 h		



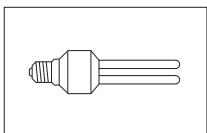
Mercury reflector lamp				
Des.	P (W)	(lm)	l (mm)	d (mm)
HMR	80	3000	168	125
	125	5000		
Cap: E27		Lamp life 8000 h		



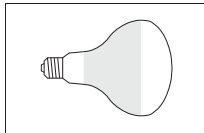
Compact fluorescent lamp				
Des.	P (W)	(lm)	l (mm)	d (mm)
TC-L	18	1200	225	17
	24	1800	320	
	36	2900	415	
	40	3500	535	
	55	4800	535	
Cap: 2G11		Lamp life 8000 h		



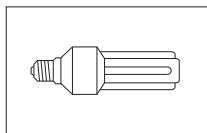
Self-ballasted mercury lamp				
Des.	P (W)	(lm)	l (mm)	d (mm)
HME-SB	160	3100	177	75
Cap: E27		Lamp life 5000 h		



Compact fluorescent lamp				
Des.	P (W)	(lm)	l (mm)	d (mm)
TC-DEL	9	400	127	
	11	600	145	
	15	900	170	
	20	1200	190	
	23	1500	210	
Cap: E27		Lamp life 8000 h		



Self-ballasted mercury reflector lamp				
Des.	P (W)	(lm)	l (mm)	d (mm)
HMR-SB	160	2500	168	125
Cap: E27		Lamp life 5000 h		



Compact fluorescent lamp				
Des.	P (W)	(lm)	l (mm)	d (mm)
TC-DEL	15	900	148	58
	20	1200	168	
	23	1500	178	
Cap: E27		Lamp life: 8000 h		

Compact fluorescent lamps in the standard shapes TC, TC-D and TC-L, and with integral electronic ballast and E 27 cap: TC-DEL.

High-pressure mercury lamps and self-ballasted mercury lamps, both lamp types with an ellipsoidal outer envelope and as a reflector lamp. Choice of power P, luminous flux Φ , length of lamp l and lamp diameter d.