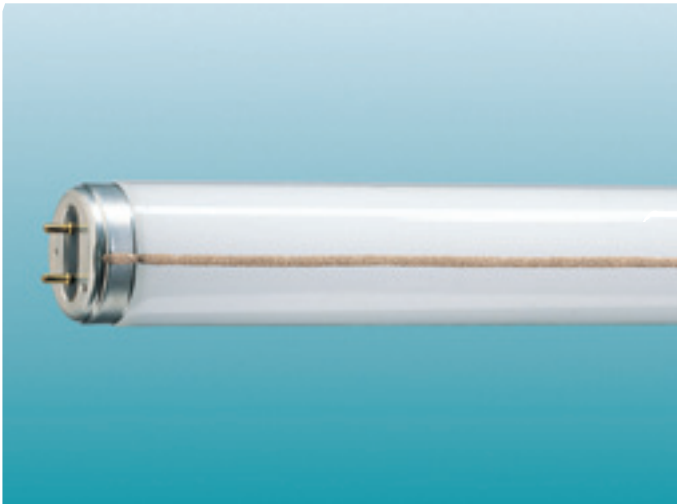


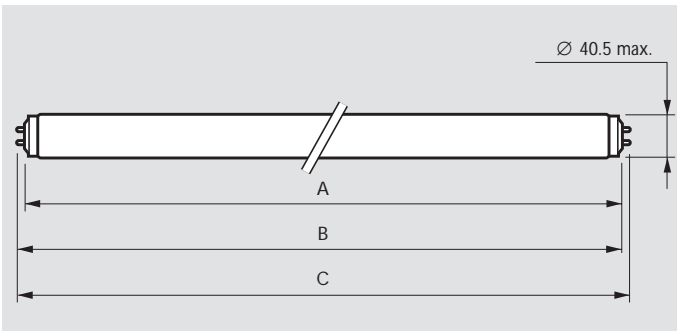
Fluorescent lamps

TL-M Rapid Start



Fluorescent lighting is efficient and economical. The efficacy (lumen/watt) of all fluorescent lamps is high compared to most other light sources. TL lamps are low-pressure mercury discharge lamps with a clear tubular 38 mm envelope. The tube wall is internally covered with a mixture of fluorescent powders. TL-M RS lamps ("Rapid Start") are provided with an external silicon coating for well defined ignition and an external ignition strip connected via a high ohmic resistor to one of the electrodes. This leads to fast and easy ignition at low temperatures or in damp conditions.

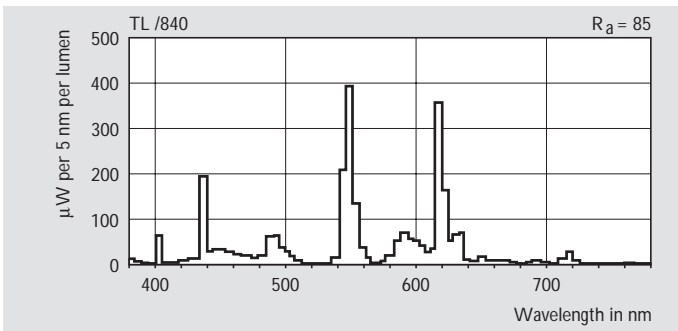
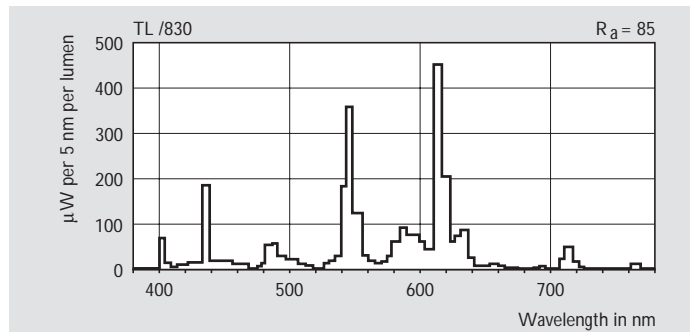
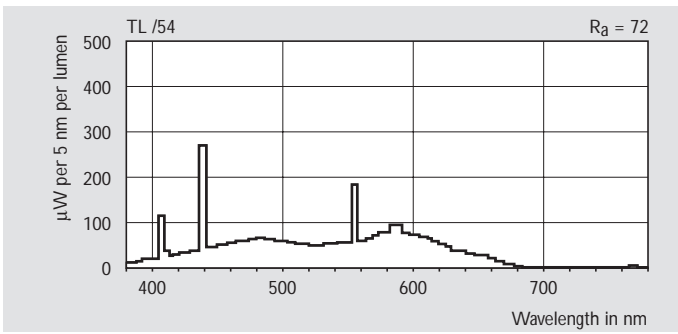
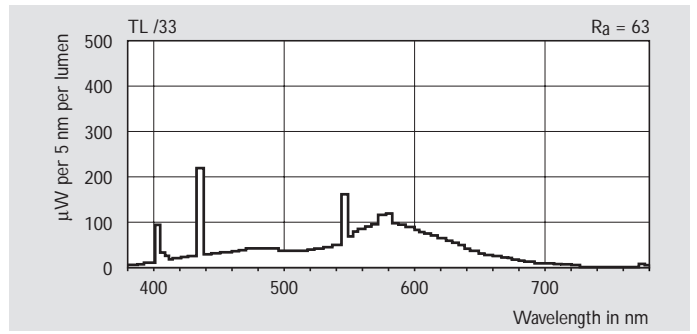
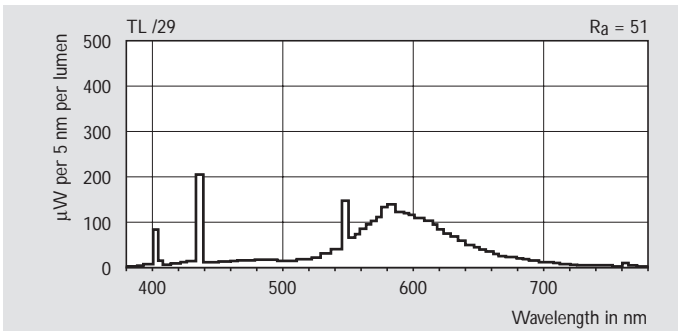
TL-M RS Super /80 Pro lamps are produced with special fluorescent powder (/80 colours), which leads to a good colour rendering index (CRI > 80) and a high efficacy. These lamps are especially used in applications where people are often present. TL-M RS Standard colours have a moderate colour rendering index (CRI 50-70). They are mostly used in applications where colour rendering is not an important factor. The colour designation of TL-M RS lamps creates a certain atmosphere. It varies from warm white to cool daylight. The colour designation is determined by the colour temperature of the lamp.



Dimensions in mm

Type	A max.	B min.	B max.	C max.
TL-M 20W RS	589.8	594.5	596.9	604.0
TL-M 30W RS	894.6	899.3	901.7	908.8
TL-M 40W RS	1199.4	1204.1	1206.5	1213.6
TL-M 65W RS	1500.0	1504.7	1507.1	1514.2
TL-M 115W RS	1199.4	1204.1	1206.5	1213.6
TL-M 140W RS	1500.0	1504.7	1507.1	1514.2

Commercial name	Type	Cap/ base	Lamp voltage	Lamp current	Colour designation	Correlated colour temperature K	Lumen output lm	Average luminance cd/cm ²	Nett weight g	EOC
			V	A						
/29										
TL-M RS	TL-M 20W /29 RS	G13	57	0.37	WARM WHITE	2900	1200	0.64	156	723604
TL-M RS	TL-M 40W /29 RS	G13	103	0.43	WARM WHITE	2900	2900	0.74	292	724175
TL-M RS	TL-M 65W /29 RS	G13	110	0.67	WARM WHITE	2900	4800	0.97	360	724779
/33										
TL-M RS	TL-M 20W /33 RS	G13	57	0.37	COOL WHITE	4100	1200	0.64	156	723727
TL-M RS	TL-M 30W /33 RS	G13	80	0.40	COOL WHITE	4100	1950	0.67	222	618573
TL-M RS	TL-M 40W /33 RS	G13	101	0.43	COOL WHITE	4100	2850	0.73	292	724298
TL-M RS	TL-M 65W /33 RS	G13	110	0.67	COOL WHITE	4100	4750	0.96	360	724861
TL-M RS	TL-M 115W /33 RS	G13	92	1.50	COOL WHITE	4100	6850	1.74	292	725370
TL-M RS	TL-M 140W /33 RS	G13	114	1.46	COOL WHITE	4100	8350	1.69	360	725486
/54										
TL-M RS	TL-M 20W /54 RS	G13	57	0.37	COOL DAYLIGHT	6200	1000	0.53	156	723840
TL-M RS	TL-M 40W /54 RS	G13	101	0.43	COOL DAYLIGHT	6200	2500	0.64	292	724410
TL-M RS	TL-M 65W /54 RS	G13	110	0.67	COOL DAYLIGHT	6200	4100	0.83	360	724984
/830										
TL-M RS Pro	TL-M 20W /830 RS	G13	57	0.37	WARM WHITE	3000	1250	0.65	156	723994
TL-M RS Pro	TL-M 40W /830 RS	G13	103	0.43	WARM WHITE	3000	3100	0.75	292	724564
TL-M RS Pro	TL-M 65W /830 RS	G13	110	0.67	WARM WHITE	3000	5100	1.00	360	725165
/840										
TL-M RS Pro	TL-M 20W /840 RS	G13	57	0.37	COOL WHITE	4000	1250	0.65	156	724052
TL-M RS Pro	TL-M 40W /840 RS	G13	103	0.43	COOL WHITE	4000	3100	0.75	292	724625
TL-M RS Pro	TL-M 65W /840 RS	G13	110	0.67	COOL WHITE	4000	5100	1.00	360	725226

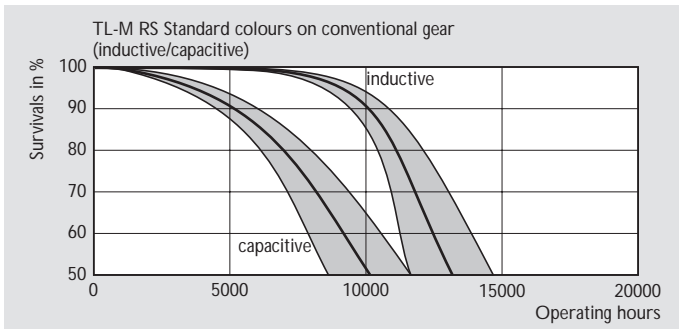


Spectral power distributions

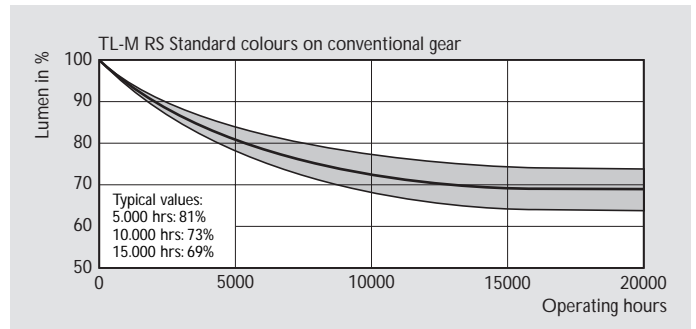


Fluorescent lamps

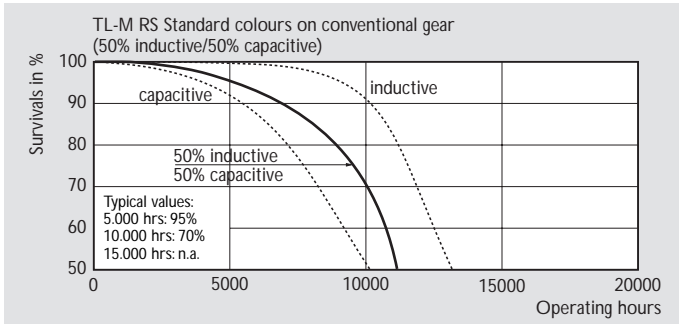
TL-M Rapid Start



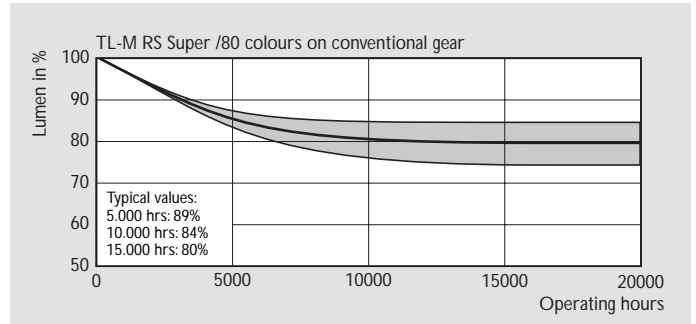
Life expectancy



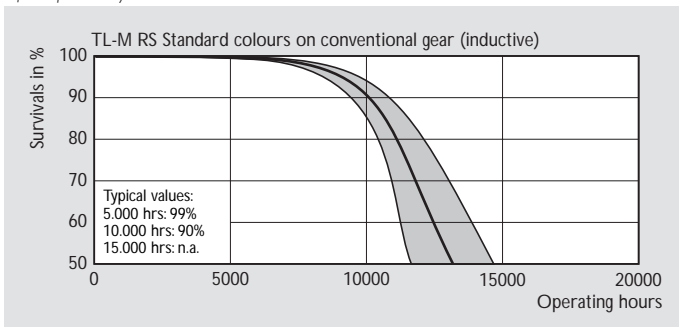
Lumen maintenance



Life expectancy



Lumen maintenance



Life expectancy