

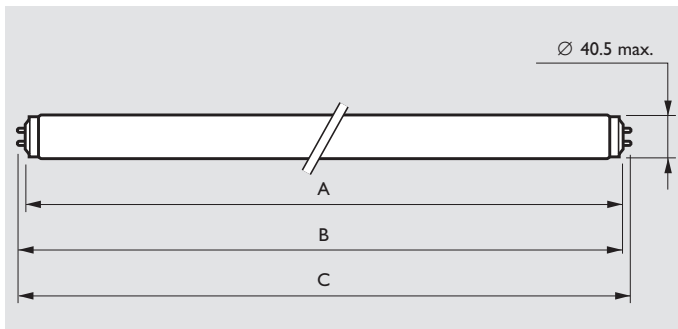
Fluorescent lighting is efficient and economical. The efficacy (lumen/watt) of all fluorescent lamps is high compared to most other light sources.

'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.



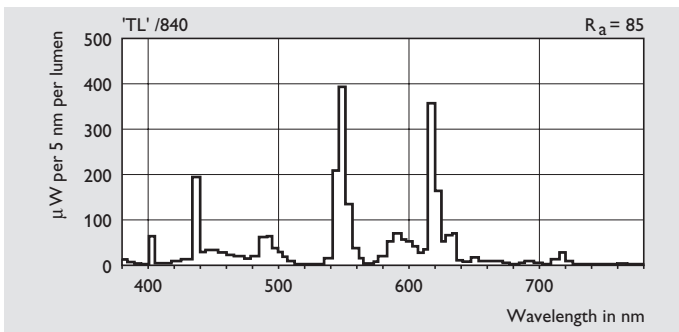
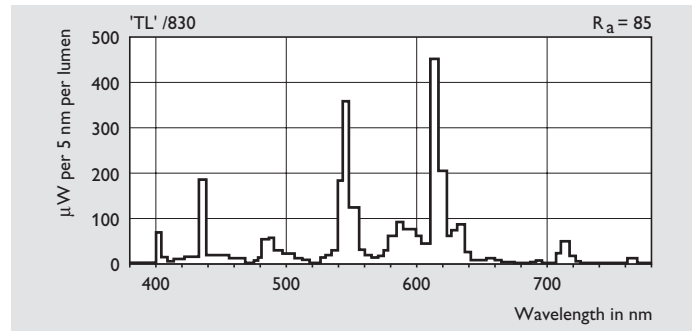
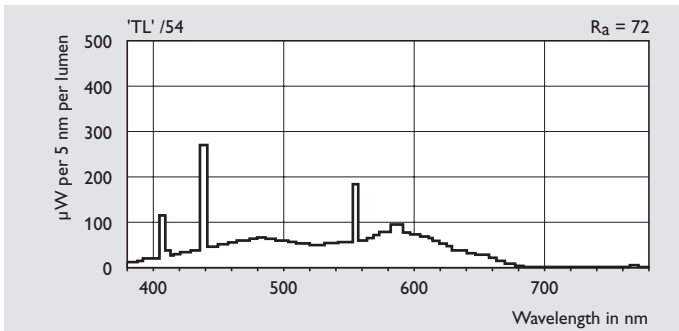
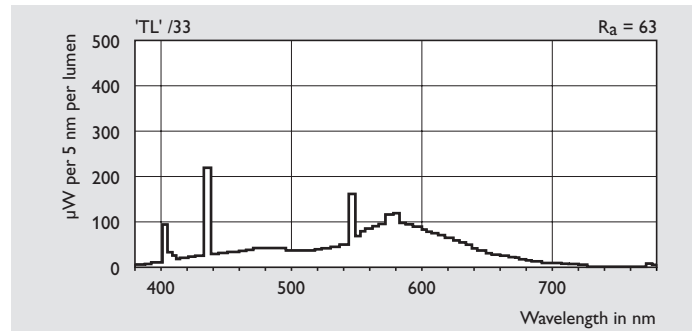
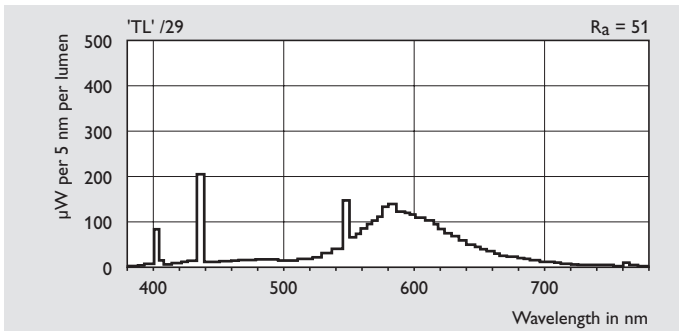
Dimensions in mm

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

Type	Cap/ base	Lamp voltage V	Lamp current A	Colour designation	Correlated colour temperature K	Lumen output lm	Average luminance cd/cm <sup>2</sup>	Nett weight g	Ordering number	EOC
<b>/29</b>										
'TL'M 20W /29 RS	G13	57	0.37	WARM WHITE	2900	1200	0.64	156	9280 300 02900	723604
'TL'M 40W /29 RS	G13	103	0.43	WARM WHITE	2900	2900	0.74	292	9280 305 02900	724175
'TL'M 65W /29 RS	G13	110	0.67	WARM WHITE	2900	4800	0.97	360	9280 310 02900	724779
<b>/33</b>										
'TL'M 20W /33 RS	G13	57	0.37	COOL WHITE	4100	1200	0.64	156	9280 300 03300	723727
'TL'M 30W /33 RS	G13	80	0.40	COOL WHITE	4100	1950	0.67	222	9280 303 03300	618573
'TL'M 40W /33 RS	G13	101	0.43	COOL WHITE	4100	2850	0.73	292	9280 305 03300	724298
'TL'M 65W /33 RS	G13	110	0.67	COOL WHITE	4100	4750	0.96	360	9280 310 03300	724861
'TL'M 115W /33 RS	G13	92	1.50	COOL WHITE	4100	6850	1.74	292	9280 315 03300	725370
'TL'M 140W /33 RS	G13	114	1.46	COOL WHITE	4100	8350	1.69	360	9280 320 03300	725486
<b>/54</b>										
'TL'M 40W /54 RS	G13	101	0.43	COOL DAYLIGHT	6200	2500	0.64	292	9280 305 05400	724410
'TL'M 65W /54 RS	G13	110	0.67	COOL DAYLIGHT	6200	4100	0.83	360	9280 310 05400	724984
<b>/830</b>										
'TL'M 20W /830 RS PRO	G13	57	0.37	WARM WHITE	3000	1250	0.65	156	9280 300 08300	723994
'TL'M 40W /830 RS PRO	G13	103	0.43	WARM WHITE	3000	3100	0.75	292	9280 305 08300	724564
'TL'M 65W /830 RS PRO	G13	110	0.67	WARM WHITE	3000	5100	1.00	360	9280 310 08300	725165
<b>/840</b>										
'TL'M 20W /840 RS PRO	G13	57	0.37	COOL WHITE	4000	1250	0.65	156	9280 300 08400	724052
'TL'M 40W /840 RS PRO	G13	103	0.43	COOL WHITE	4000	3100	0.75	292	9280 305 08400	724625
'TL'M 65W /840 RS PRO	G13	110	0.67	COOL WHITE	4000	5100	1.00	360	9280 310 08400	725226

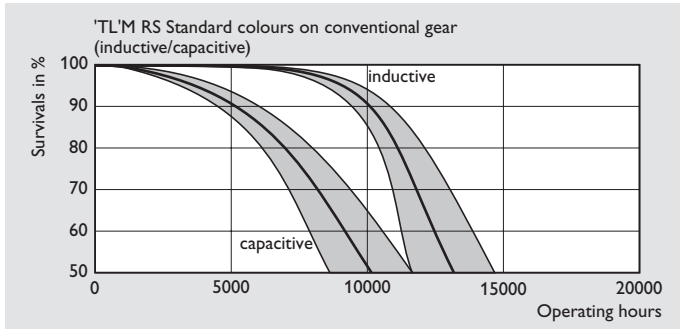
# Fluorescent lamps

'TL' M RS

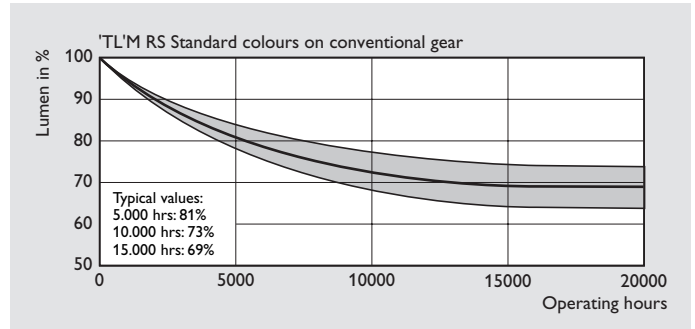


Spectral power distributions

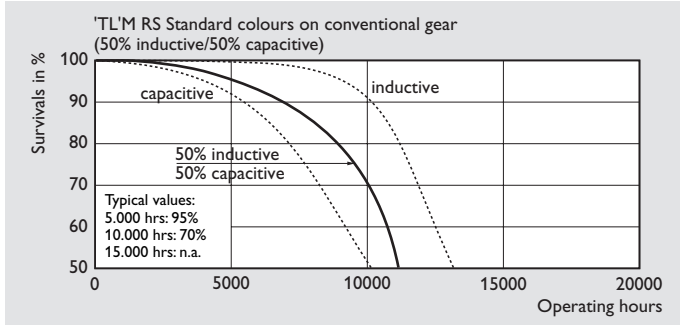




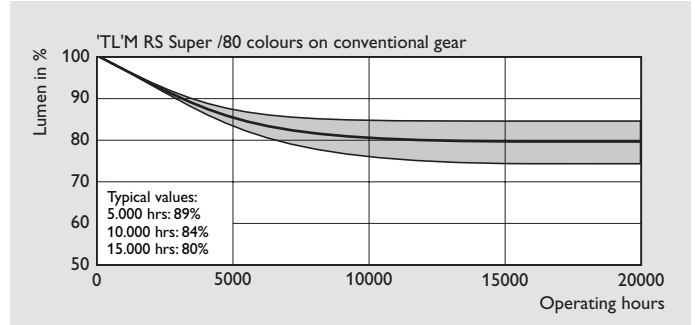
Life expectancy



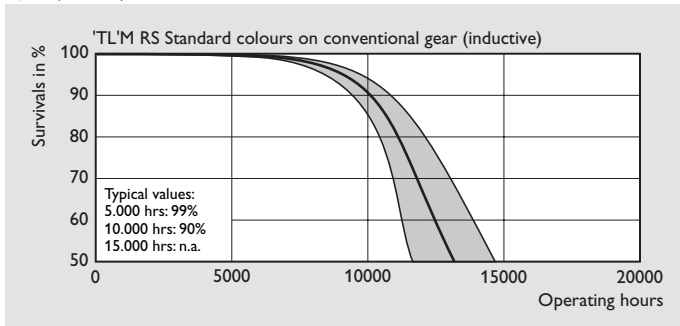
Lumen maintenance



Life expectancy



Lumen maintenance



Life expectancy