

Dimensions in mm

Fluorescent lighting is efficient and economical. The efficacy (lumen/watt) of all fluorescent lamps is high compared to most other light sources and they can be used with a wide range of luminaires for various purposes. 'TL'E are low-pressure mercury discharge lamps with a clear tubular envelope. The tube wall is internally covered with a mixture of fluorescent powders. 'TL'E /80 colours are produced with a tri-phosphor coating, which leads to a good colour rendering and a higher efficacy. 'TL'E /80 colours are used in 'human applications', like schools, offices, shops, theatres and so on. 'TL'E Standard colours are produced with a halophosphor coating, which results in an average colour rendering.

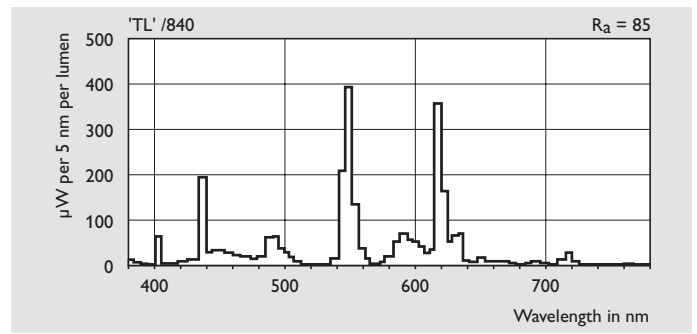
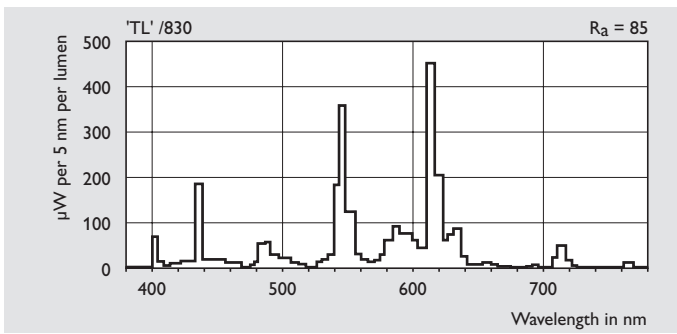
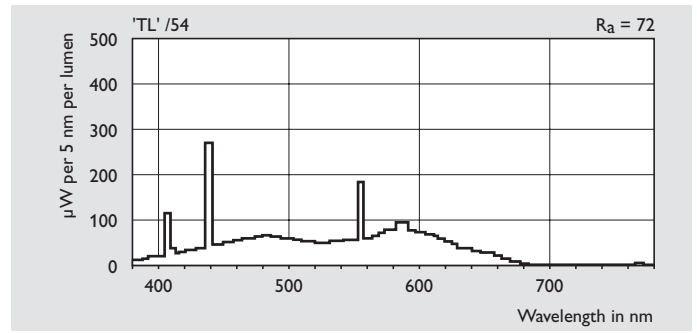
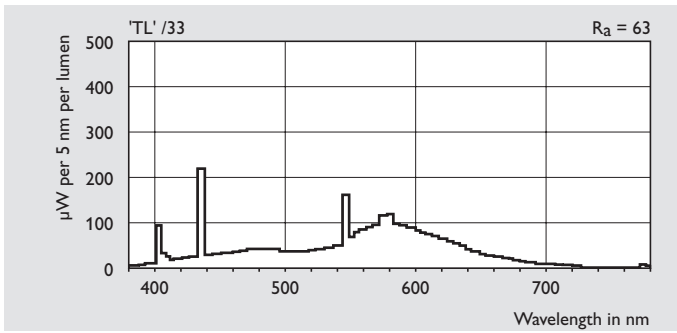
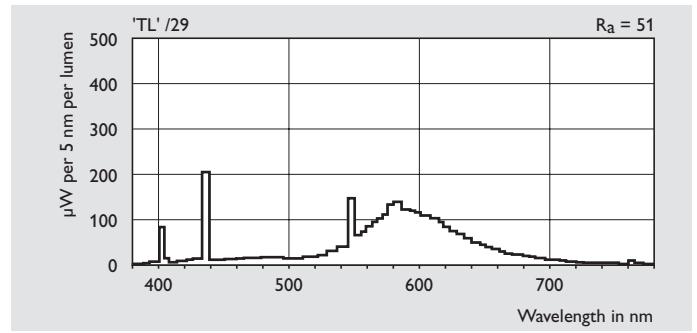
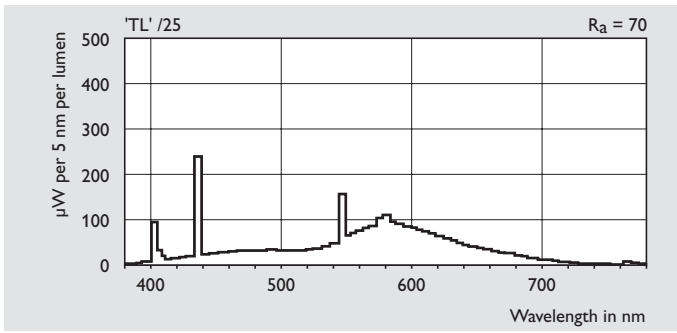
The colour designation of 'TL'E lamps creates a certain atmosphere. It varies from cool white to warm white. The colour designation is determined by the colour temperature of the lamp. 'TL'E lamps can be operated on conventional and HF gear. A specialty is the 'TL'EM RS lamp in 40W rating, provided with an external ignition strip connected to one of the electrodes via a high ohm resistor. 'TL'EM RS lamps can be used in outdoor applications (ambient temperature of -18 deg. C). Many decorative luminaires are available for 'TL'E lamps because of their special circular shape. An added advantage is the provision of non-directional light, i.e. light which does not emphasize either the length or width of the area to be lighted.

Type	A min.	A max.
'TL'E 22W	147.6	157.2
'TL'E 32W	236.5	246.1
'TL'E 40W/60W	338.1	347.7

Type	Cap/ base	Lamp voltage V	Lamp current A	Colour designation	Correlated colour temperature K	Lumen output lm	Average luminance cd/cm ²	Nett weight g	Ordering number	EOC
'TL'EM RS STANDARD COLOURS										
'TL'EM 40W /29 RS	G10Q	110	0.42	WARM WHITE	2900	2800	0.75	333	9280 275 02900	611086
'TL'E STANDARD COLOURS										
'TL'E 22W /29	G10Q	62	0.40	WARM WHITE	2900	1300	0.85	220	9280 260 02900	558657
'TL'E 22W /33	G10Q	62	0.40	COOL WHITE	4100	1250	0.85	220	9280 260 03300	638311
'TL'E 22W /54	G10Q	62	0.40	COOL DAYLIGHT	6200	1050	0.70	220	9280 260 05400	559463
'TL'E 32W /25	G10Q	81	0.45	UNIVERSAL WHITE	4000	1800	0.65	250	9280 265 02500	559500
'TL'E 32W /29	G10Q	81	0.45	WARM WHITE	2900	2100	0.80	250	9280 265 02900	558671
'TL'E 32W /33	G10Q	81	0.45	COOL WHITE	4100	2050	0.80	250	9280 265 03300	559562
'TL'E 32W /54	G10Q	81	0.45	COOL DAYLIGHT	6200	1750	0.65	250	9280 265 05400	558718
'TL'E 40W /25	G10Q	110	0.42	UNIVERSAL WHITE	4000	2500	0.65	333	9280 270 02500	559319
'TL'E 40W /29	G10Q	110	0.42	WARM WHITE	2900	2950	0.80	333	9280 270 02900	559753
'TL'E 40W /33	G10Q	110	0.42	COOL WHITE	4100	2900	0.80	333	9280 270 03300	559791
'TL'E 40W /54	G10Q	110	0.42	COOL DAYLIGHT	6200	2500	0.65	333	9280 270 05400	559913
'TL'EK 60W /29	G10Q	92	0.75	WARM WHITE	2900	3900	1.29	333	9280 277 02900	563309
'TL'E SUPER /80 COLOURS										
'TL'E 32W /830	G10Q	81	0.45	WARM WHITE	3000	2300	0.85	250	9280 265 08300	559678
'TL'E 32W /840	G10Q	81	0.45	COOL WHITE	4000	2300	0.85	250	9280 265 08400	559685
'TL'E 40W /830	G10Q	110	0.42	WARM WHITE	3000	3200	0.85	333	9280 270 08300	559951
'TL'E 40W /840	G10Q	110	0.42	COOL WHITE	4000	3200	0.85	333	9280 270 08400	559968

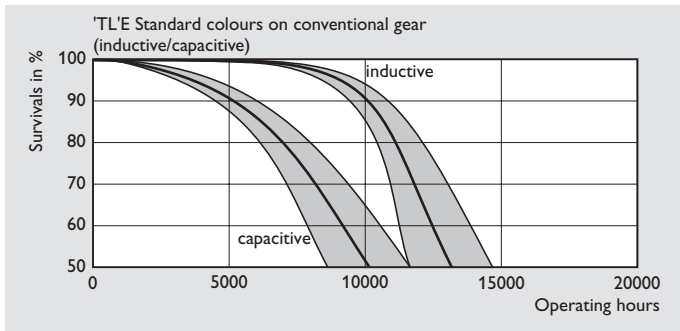
Fluorescent lamps

'TL'E

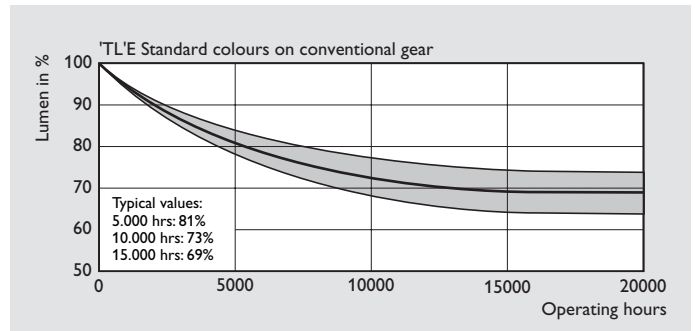


Spectral power distributions

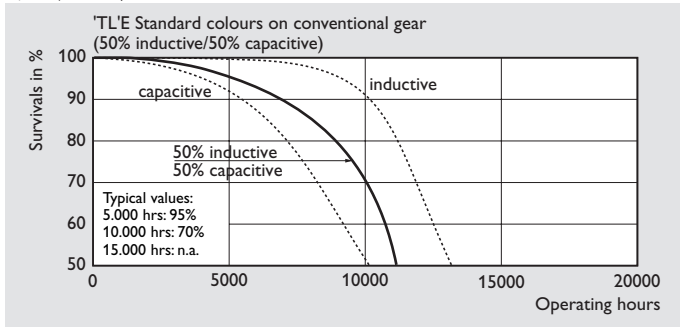




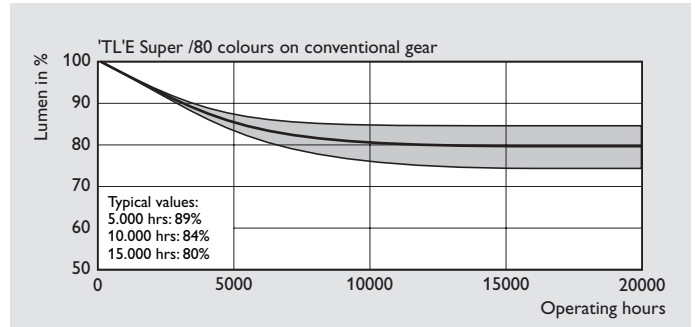
Life expectancy



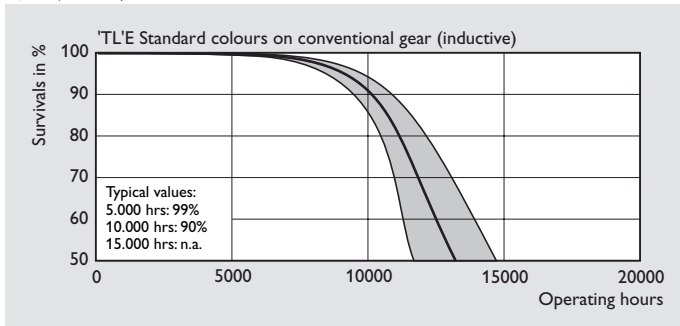
Lumen maintenance



Life expectancy



Lumen maintenance



Life expectancy