

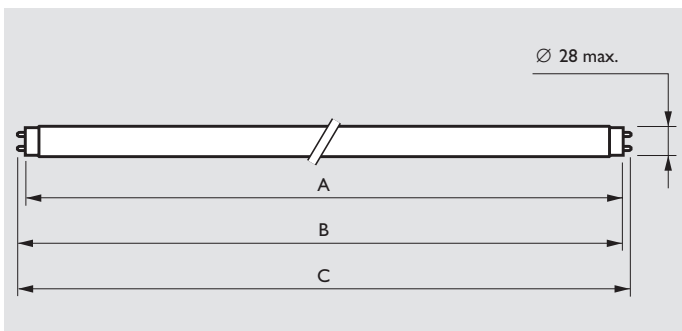
Fluorescent lamps

'TL'D Standard colours



Fluorescent lighting is efficient and economical. The efficacy (lumen/watt) of all fluorescent lamps is high compared to most other light sources. Different luminaires are available for various purposes. 'TL'D lamps are low-pressure mercury discharge lamps with a clear tubular 26 mm envelope. The tube wall is internally covered with a mixture of fluorescent powders. 'TL'D Standard colours have a moderate colour rendering index (C.R.I. 50 - 75). Especially the red part of the spectral power distribution is moderately covered by standard colours.

'TL'D Standard colours are mostly used in applications where colour rendering is not an important parameter. The efficacy of 'TL'D Standard colours is lower than 'TL'D /80 colours. The colour designation of 'TL'D 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'D 14W	361.2	365.9	368.3	375.4
'TL'D 15W	437.4	442.1	444.5	451.6
'TL'D 16W	720.0	724.7	727.1	734.2
'TL'D 18W	589.8	594.5	596.9	604.0
'TL'D 23W/36W-1	970.0	974.7	977.1	984.2
'TL'D 30W	894.6	899.3	901.7	908.8
'TL'D 36W	1199.4	1204.1	1206.5	1213.6
'TL'D 38W	1047.0	1051.7	1054.1	1061.2
'TL'D 58W	1500.0	1504.7	1507.1	1514.2
'TL'D 70W	1763.8	1768.5	1770.9	1778.0



Type	Cap/ base	Lamp voltage ¹⁾ V	Lamp current ¹⁾ A	Colour designation	Correlated colour temperature K	Lumen output ¹⁾ lm	Average luminance ¹⁾ cd/cm ²	Nett weight g	Ordering number	EOC
/25										
'TL'D 15W /25	G13	51	0.34	UNIVERSAL WHITE	4000	900	0.90	76	9280 248 02500	702760
'TL'D 16W /25	G13	95	0.20	UNIVERSAL WHITE	4000	1000	0.65	125	9280 249 02500	614193
'TL'D 18W /25	G13	59	0.36	UNIVERSAL WHITE	4000	1100	0.80	100	9280 480 02500	702647
'TL'D 30W /25	G13	98	0.36	UNIVERSAL WHITE	4000	1900	0.90	145	9280 254 02500	702814
'TL'D 36W /25	G13	103	0.44	UNIVERSAL WHITE	4000	2600	0.95	186	9280 485 02500	702685
'TL'D 36W-1 /25	G13	80	0.56	UNIVERSAL WHITE	4000	2600	1.10	161	9280 456 02500	702869
'TL'D 38W /25	G13	104	0.43	UNIVERSAL WHITE	4000	2550	1.10	162	9280 457 02500	726667
'TL'D 58W /25	G13	111	0.67	UNIVERSAL WHITE	4000	4125	1.20	233	9280 490 02500	702722
/29										
'TL'D 15W /29	G13	51	0.34	WARM WHITE	2900	1000	1.00	76	9280 248 02900	946683
'TL'D 16W /29	G13	95	0.20	WARM WHITE	2900	1100	0.70	125	9280 249 02900	614223
'TL'D 18W /29	G13	59	0.36	WARM WHITE	2900	1250	0.85	100	9280 480 02900	702654
'TL'D 30W /29	G13	98	0.36	WARM WHITE	2900	2175	1.05	145	9280 254 02900	728920
'TL'D 36W /29	G13	103	0.44	WARM WHITE	2900	2975	1.05	186	9280 485 02900	702692
'TL'D 36W-1 /29	G13	80	0.56	WARM WHITE	2900	2700	1.15	161	9280 456 02900	702876
'TL'D 58W /29	G13	111	0.67	WARM WHITE	2900	4700	1.35	233	9280 490 02900	702739
'TL'D 70W /29	G13	132	0.69	WARM WHITE	2900	5450	1.35	272	9280 493 02900	618344

¹⁾ conventional gear



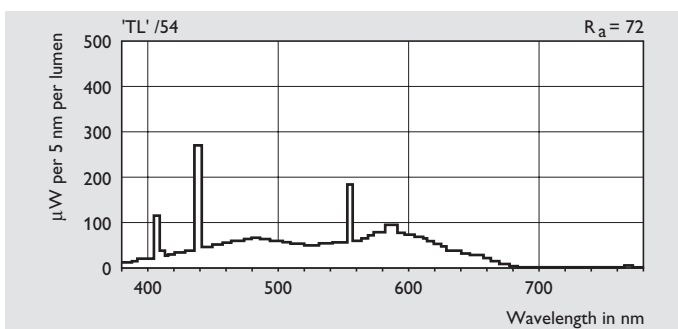
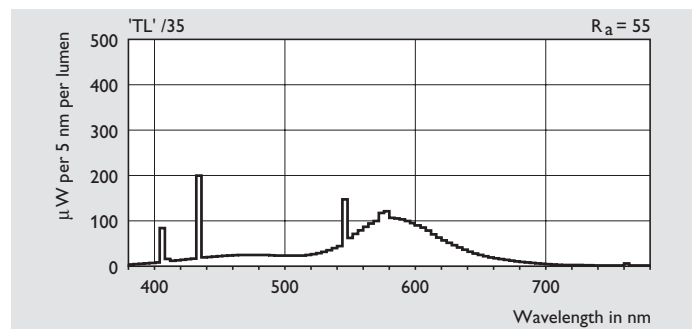
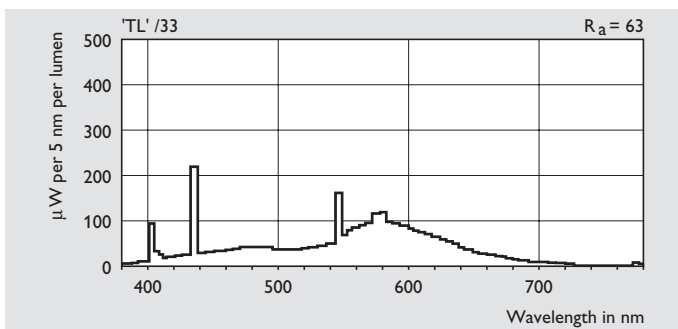
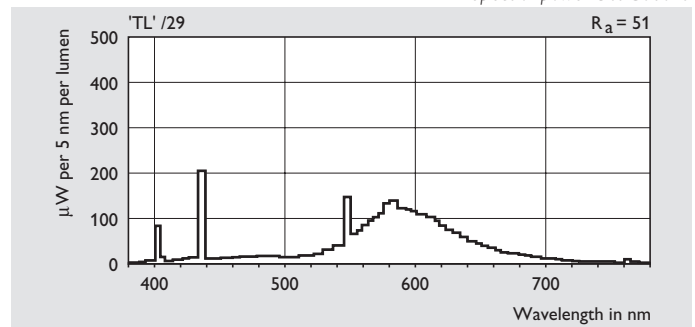
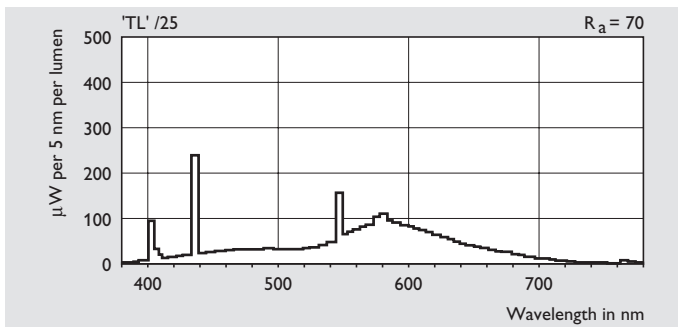
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Type	Cap/ base	Lamp voltage ¹⁾	Lamp current ¹⁾	Colour designation	Correlated colour temperature K	Lumen output ¹⁾	Average luminance ¹⁾	Nett weight	Ordering number	EOC
		V	A			lm	cd/cm ²	g		
/33										
'TL'D 14W /33	G13	45	0.38	COOL WHITE	4100	730	0.95	66	9280 243 03300	721754
'TL'D 15W /33	G13	51	0.34	COOL WHITE	4100	960	0.95	76	9280 248 03300	702777
'TL'D 18W /33	G13	59	0.36	COOL WHITE	4100	1200	0.85	100	9280 480 03300	610300
'TL'D 23W /33	G13	95	0.30	COOL WHITE	4100	1900	0.90	161	9280 455 03300	726384
'TL'D 30W /33	G13	98	0.36	COOL WHITE	4100	2100	1.05	145	9280 254 03300	702821
'TL'D 36W /33	G13	103	0.44	COOL WHITE	4100	2850	1.05	186	9280 485 03300	702708
'TL'D 36W-1 /33	G13	80	0.56	COOL WHITE	4100	2800	1.20	161	9280 456 03300	702883
'TL'D 38W /33	G13	104	0.43	COOL WHITE	4100	3100	1.20	162	9280 457 03300	726698
'TL'D 58W /33	G13	111	0.67	COOL WHITE	4100	4600	1.35	233	9280 490 03300	702746
'TL'D 70W /33	G13	132	0.69	COOL WHITE	4100	5250	1.30	272	9280 493 03300	618375
/35										
'TL'D 15W /35	G13	51	0.34	WHITE 3500	3500	960	0.95	76	9280 248 03500	618634
'TL'D 18W /35	G13	59	0.36	WHITE 3500	3500	1150	0.85	100	9280 480 03500	729002
'TL'D 30W /35	G13	98	0.36	WHITE 3500	3500	2300	1.05	145	9280 254 03500	618603
'TL'D 36W /35	G13	103	0.44	WHITE 3500	3500	3000	1.10	186	9280 485 03500	704580
'TL'D 58W /35	G13	111	0.67	WHITE 3500	3500	4600	1.35	233	9280 490 03500	700704
'TL'D 70W /35	G13	132	0.69	WHITE 3500	3500	5400	1.35	272	9280 493 03500	615862
/54										
'TL'D 14W /54	G13	45	0.38	COOL DAYLIGHT	6200	660	0.85	66	9280 243 05400	721785
'TL'D 15W /54	G13	51	0.34	COOL DAYLIGHT	6200	830	0.85	76	9280 248 05400	722218
'TL'D 18W /54	G13	59	0.36	COOL DAYLIGHT	6200	1050	0.75	100	9280 480 05400	702678
'TL'D 23W /54	G13	95	0.30	COOL DAYLIGHT	6200	1550	0.70	161	9280 455 05400	726414
'TL'D 30W /54	G13	98	0.36	COOL DAYLIGHT	6200	1825	0.90	145	9280 254 05400	722638
'TL'D 36W /54	G13	103	0.44	COOL DAYLIGHT	6200	2500	0.95	186	9280 485 05400	702715
'TL'D 36W-1 /54	G13	80	0.56	COOL DAYLIGHT	6200	2350	1.00	161	9280 456 05400	726599
'TL'D 58W /54	G13	111	0.67	COOL DAYLIGHT	6200	4000	1.15	233	9280 490 05400	702753

¹⁾ conventional gear

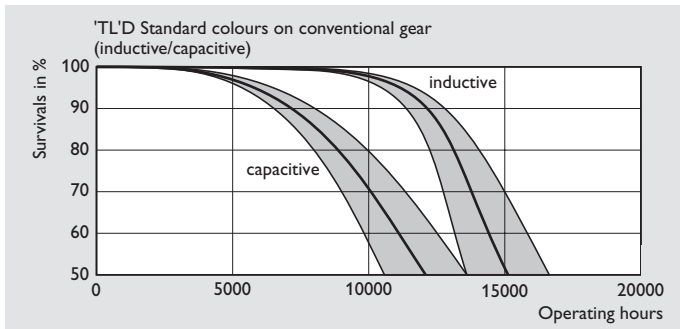
Spectral power distributions



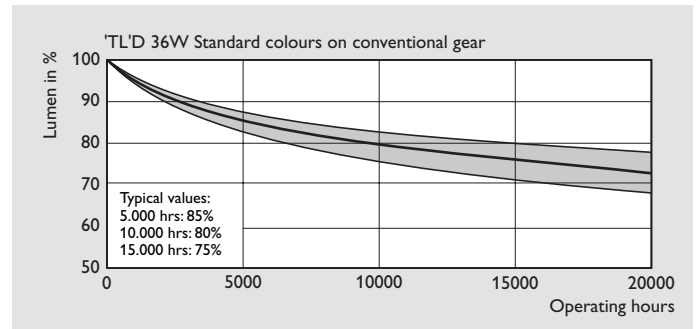
PHILIPS

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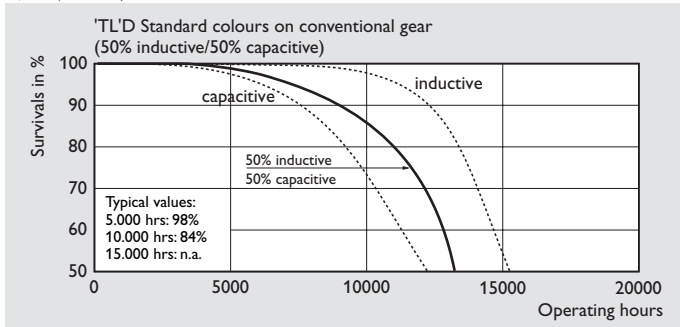
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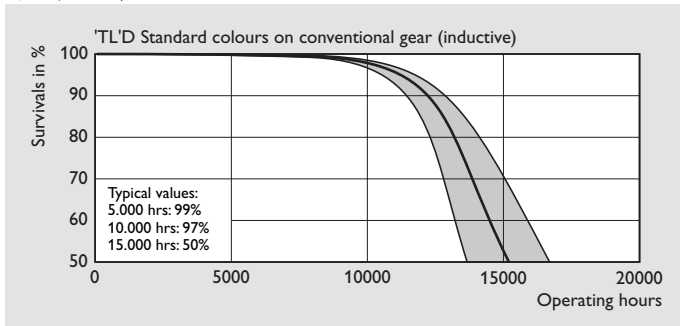
Life expectancy



Lumen maintenance



Life expectancy



Life expectancy