

Compact Fluorescent Lamps

TOSHIBA NEOBALL-E saves energy for electronic ballast.

- Only 1/4 the energy cost
- 6 time the service life
- Turns on instantaneously
- Slimmer design
- Various standard bases are available for perfect, easy fit

Warm White

Color Temperature 2,700K



Daylight

Color Temperature 6,500K



110/127V E27 TYPE

Product Order Code	Lamp Shape	Color Temperature(K)	Watts (W)	Bulb Dia (mm)	Overall Length (mm)	Base	Supply Voltage (V)	Frequency (Hz)	Initial Lumens (lm)	Average Life (h)	Std.Pkg.Q'ty	Color Rendering Index(Ra)	Color Description
EFA9L/ 27-E-1		2,700	9	62	134	E27	110/127	50/60	480	6,000	10	84	3-Band Warm White
EFA9D/ 65-E-1		6,500	9	62	134	E27	110/127	50/60	440	6,000	10	84	3-Band Daylight
EFA13L/ 27-E-1		2,700	13	68	147	E27	110/127	50/60	710	6,000	10	84	3-Band Warm White
EFA13D/ 65-E-1		6,500	13	68	147	E27	110/127	50/60	650	6,000	10	84	3-Band Daylight
EFD5L/ 27-E-1*		2,800	5	38	104	E27	110/127	50/60	250	6,000	20	84	3-Band Warm White
EFD5D/ 65-E-1*		6,500	5	38	104	E27	110/127	50/60	220	6,000	20	84	3-Band Daylight
EFD9L/ 27-E3U-1*		2,700	9	45	125	E27	110/127	50/60	560	6,000	20	84	3-Band Warm White
EFD9D/ 65-E3U-1*		6,500	9	45	125	E27	110/127	50/60	510	6,000	20	84	3-Band Daylight
EFD13L/ 27-E3U-1*		2,700	13	45	135	E27	110/127	50/60	810	6,000	20	84	3-Band Warm White
EFD13D/ 65-E3U-1*		6,500	13	45	135	E27	110/127	50/60	710	6,000	20	84	3-Band Daylight
EFD18L/ 27-E3U-1*		2,700	18	45	145	E27	110/127	50/60	1,100	6,000	20	84	3-Band Warm White
EFD18D/ 65-E3U-1*		6,500	18	45	145	E27	110/127	50/60	1,000	6,000	20	84	3-Band Daylight
EFD30L/ 27-E4U-1*		2,700	30	54	170	E27	220/240	50/60	1,800	6,000	20	84	3-Band Warm White
EFD30D/ 65-E4U-1*		2,700	30	54	170	E27	220/240	50/60	1,700	6,000	20	84	3-Band Daylight

Note: *B22 base is available

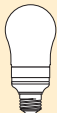


110/127V E14 TYPE

Product Order Code	Lamp Shape	Color Temperature(K)	Watts (W)	Bulb Dia (mm)	Overall Length (mm)	Base	Supply Voltage (V)	Frequency (Hz)	Initial Lumens (lm)	Average Life (h)	Std.Pkg.Q'ty	Color Rendering Index(Ra)	Color Description
EFD5L/ 27-E E14-1		2,700	5	40	98	E14	110/127	50/60	250	6,000	20	84	3-Band Warm White
EFD5D/ 65-E E14-1		6,500	5	40	98	E14	110/127	50/60	220	6,000	20	84	3-Band Daylight
EFD7L/ 27-E E14-1		2,700	7	40	108	E14	110/127	50/60	390	6,000	20	84	3-Band Warm White
EFD7D/ 65-E E14-1		6,500	7	40	108	E14	110/127	50/60	350	6,000	20	84	3-Band Daylight
EFD9L/ 27-E E14-1		2,700	9	40	113	E14	110/127	50/60	560	6,000	20	84	3-Band Warm White
EFD9D/ 65-E E14-1		6,500	9	40	113	E14	110/127	50/60	510	6,000	20	84	3-Band Daylight

TOSHIBA LAMPS


Compact Fluorescent Lamps

200-240V E27/B22 TYPE


Product Order Code	Lamp Shape	Color Temperature (k)	Watts (w)	Bulb Dia (mm)	Overall Length (mm)	Base	Supply Voltage (V)	Frequency (Hz)	Initial Lumens (lm)	Average Life (h)	Std.Pkg. Q'ty	Color Rendering Index (Ra)	Color Description	
EFA7L/ 27-E		2,700	7	62	134	E27	200-240	50/60	430	6,000	10	84	3-Band Warm White	
EFA7D/ 65-E		6,500	7	62	134	E27	200-240	50/60	400	6,000	10	84	3-Band Daylight	
EFA9L/ 27-E		2,700	9	62	134	E27	200-240	50/60	480	6,000	10	84	3-Band Warm White	
EFA9D/ 65-E		6,500	9	62	134	E27	200-240	50/60	440	6,000	10	84	3-Band Daylight	
EFA11L/ 27-E		2,700	11	68	147	E27	200-240	50/60	630	6,000	10	84	3-Band Warm White	
EFA11D/ 65-E		6,500	11	68	147	E27	200-240	50/60	570	6,000	10	84	3-Band Daylight	
EFA13L/ 27-E		2,700	13	68	147	E27	200-240	50/60	710	6,000	10	84	3-Band Warm White	
EFA13D/ 65-E		6,500	13	68	147	E27	200-240	50/60	650	6,000	10	84	3-Band Daylight	
EFD5L/ 27-E*			2,700	5	38	104	E27	200-240	50/60	250	6,000	20	84	3-Band Warm White
EFD5D/ 65-E*			6,500	5	38	104	E27	200-240	50/60	220	6,000	20	84	3-Band Daylight
EFD7L/ 27-E*	2,700		7	38	114	E27	200-240	50/60	375	6,000	20	84	3-Band Warm White	
EFD7D/ 65-E*	6,500		7	38	114	E27	200-240	50/60	350	6,000	20	84	3-Band Daylight	
EFD9L/ 27-E3U*		2,700	9	45	125	E27	200-240	50/60	560	6,000	20	84	3-Band Warm White	
EFD9D/ 65-E3U*		6,500	9	45	125	E27	200-240	50/60	510	6,000	20	84	3-Band Daylight	
EFD11L/ 27-E3U*		2,700	11	45	130	E27	200-240	50/60	690	6,000	20	84	3-Band Warm White	
EFD11D/ 65-E3U*		6,500	11	45	130	E27	200-240	50/60	680	6,000	20	84	3-Band Daylight	
EFD13L/ 27-E3U*		2,700	13	45	135	E27	200-240	50/60	800	6,000	20	84	3-Band Warm White	
EFD13D/ 65-E3U*		6,500	13	45	135	E27	200-240	50/60	710	6,000	20	84	3-Band Daylight	
EFD18L/ 27-E3U*		2,700	18	45	145	E27	200-240	50/60	1,100	6,000	20	84	3-Band Warm White	
EFD18D/ 65-E3U*		6,500	18	45	145	E27	200-240	50/60	960	6,000	20	84	3-Band Daylight	
EFD24L/ 27-E3U* Power Light		2,700	24	48	168	E27	200-240	50/60	1,540	6,000	20	84	3-Band Warm White	
EFD24D/ 65-E3U* Power Light		6,500	24	48	168	E27	200-240	50/60	1,480	6,000	20	84	3-Band Daylight	
EFD30L/ 27-E4U* 4"U" Tubes Power Light	2,700	29	54	170	E27	220-240	50/60	1,780	6,000	20	84	3-Band Warm White		
EFD30D/ 65-E4U* 4"U" Tubes Power Light	6,500	30	54	170	E27	220-240	50/60	1,700	6,000	20	84	3-Band Daylight		

Note: *B22 base is available

200-240V E14 TYPE

Product Order Code	Lamp Shape	Color Temperature (k)	Watts (w)	Bulb Dia (mm)	Overall Length (mm)	Base	Supply Voltage (V)	Frequency (Hz)	Initial Lumens (lm)	Average Life (h)	Std.Pkg. Q'ty	Color Rendering Index (Ra)	Color Description
EFD5L/ 27-E E14		2,700	5	40	98	E14	200-240	50/60	250	6,000	20	84	3-Band Warm White
EFD5D/ 65-E E14		6,500	5	40	98	E14	200-240	50/60	220	6,000	20	84	3-Band Daylight
EFD7L/ 27-E E14		2,700	7	40	108	E14	200-240	50/60	375	6,000	20	84	3-Band Warm White
EFD7D/ 65-E E14		6,500	7	40	108	E14	200-240	50/60	350	6,000	20	84	3-Band Daylight
EFD9L/ 27-E E14 3U		2,700	9	40	113	E14	200-240	50/60	560	6,000	20	84	3-Band Warm White
EFD9D/ 65-E E14 3U		6,500	9	40	113	E14	200-240	50/60	510	6,000	20	84	3-Band Daylight
EFD13L/ 27-E E14 3U		2,700	13	40	120	E14	200-240	50/60	800	6,000	20	84	3-Band Warm White
EFD13D/ 65-E E14 3U		6,500	13	40	120	E14	200-240	50/60	710	6,000	20	84	3-Band Daylight


200-240V E27/B22 Globe TYPE

Product Order Code	Lamp Shape	Color Temperature (k)	Watts (w)	Bulb Dia (mm)	Overall Length (mm)	Base	Supply Voltage (V)	Frequency (Hz)	Initial Lumens (lm)	Average Life (h)	Std.Pkg. Q'ty	Color Rendering Index (Ra)	Color Description
EFG21L/27-E*		2,700	21	90	145	E27	200-240	50/60	1,200	6,000	10	84	3-Band Warm White
EFG21D/65-E*		6,500	21	90	145	E27	200-240	50/60	1,100	6,000	10	84	3-Band Daylight


Note: *B22 base is available

Compact Fluorescent Lamps

220-240V E27/E14/B22 SPIRAL TYPE

Product Order Code	Lamp Shape	Color Temperature (k)	Watts (w)	Bulb Dia (mm)	Overall Length (mm)	Base	Supply Voltage (V)	Frequency (Hz)	Initial Lumens (lm)	Average Life (h)	Std.Pkg. Q'ty	Color Rendering Index (Ra)	Color Description
E27 Type													
EFS8L/ 27 E27		2,700	8	48	90	E27	220-240	50/60	540	6,000	20	84	3-Band Warm White
EFS8D/ 65 E27		6,500	8	48	90	E27	220-240	50/60	500	6,000	20	84	3-Band Daylight
EFS14L/ 27 E27*		2,700	14	48	104	E27	220-240	50/60	865	6,000	20	84	3-Band Warm White
EFS14D/ 65 E27*		6,500	14	48	104	E27	220-240	50/60	890	6,000	20	84	3-Band Daylight
EFS18L/ 27 E27*		2,700	18	55	113	E27	220-240	50/60	1,290	6,000	20	84	3-Band Warm White
EFS18D/ 65 E27*		6,500	18	55	113	E27	220-240	50/60	1,150	6,000	20	84	3-Band Daylight
EFS22L/ 27 E27*		2,700	22	55	122	E27	220-240	50/60	1,450	6,000	20	84	3-Band Warm White
EFS22D/ 65 E27*		6,500	22	55	122	E27	220-240	50/60	1,200	6,000	20	84	3-Band Daylight
EFS28L/ 27 E27*		2,700	28	65	152	E27	220-240	50/60	1,870	6,000	20	84	3-Band Warm White
EFS28D/ 65 E27*		6,500	28	65	152	E27	220-240	50/60	1,700	6,000	20	84	3-Band Daylight

Note: *B22 base is available

E14 Type													
EFS8L/ 27 E14		2,700	8	48	93	E14	220-240	50/60	540	6,000	20	84	3-Band Warm White
EFS8D/ 65 E14		6,500	8	48	93	E14	220-240	50/60	500	6,000	20	84	3-Band Daylight
EFS14L/ 27 E14		2,700	14	48	107	E14	220-240	50/60	865	6,000	20	84	3-Band Warm White
EFS14D/ 65 E14		6,500	14	48	107	E14	220-240	50/60	890	6,000	20	84	3-Band Daylight