

Fluorescent Lamps

TOSHIBA

Rapid Start Fluorescent Lamps

Rapid start lamps use a rapid start circuit ballast to start within one or two seconds. There is no starter so maintenance is easier Toshiba makes rapid start lamps, the new Neoline Rapid-Master "FLR40S/M".

The new lamps, have a built-in starting aid, an inner transparent electrically conductive film.



Product Order Code	Color Temp(K)	Watts (W)	Bulb Shape	Bulb Dia (mm)	Bulb Length (mm)	Base	Rated Lamp Current(A)	Initial Lumens (lm)	Average Life (h)	Color Rendering Index(Ra)	Std. Pkg.Q'ty	Color Description
FLR40SD/M	6,500	40	T-10	32.5	1,198	G13	0.420	2,770	20,000	74	25	Daylight
FLR40SW/M	4,200	40	T-10	32.5	1,198	G13	0.420	3,160	20,000	61	25	Cool White

Note: Use with low resistance cathode type fixtures

High Output Fluorescent Lamps-Rapid Start(FLR-H)

TOSHIBA High output Lamps are of the rapid start type 110 watts. These high output lamps provide a light output 3 times that of a general 40 watts lamp.

High output lamps are most suitable for places where concentrated bright illumination is required.



Product Order Code	Color Temp(K)	Watts (W)	Bulb Shape	Bulb Dia (mm)	Bulb Length (mm)	Base	Rated Lamp Current(A)	Initial Lumens (lm)	Average Life (h)	Color Rendering Index(Ra)	Std. Pkg.Q'ty	Color Description
FLR110H D/A	6,500	110	T-12	38	2,367	R17d	0.800	7,800	12,000	74	10	Daylight
FLR110H W/A	4,200	110	T-12	38	2,367	R17d	0.800	8,960	12,000	61	10	Cool White
FLR110H D/A/100*	6,500	100	T-12	38	2,367	R17d	0.820	7,800	12,000	74	10	Daylight
FLR110H W/A/100*	4,200	100	T-12	38	2,367	R17d	0.820	8,960	12,000	61	10	Cool White

Note: Use with low resistance cathode type fixtures



T5 Circline Neo-Slim

Neo Slim provides a space saving to OEM fixture makers and dramatic savings to the end-user. Fixture makers can now greatly reduce the size and depth of their fixture that Neo Slim lamp diameters have been reduced by almost 50% (when compare to conventional T9 circlines).

In addition to saving space for future designs, Neo Slim provides higher energy saving... ranging from 85-95 lumens/watt...making Neo Slims the most efficient circlines made.



Product Order Code	Color Temp(K)	Watts (W)	Bulb Shape	Bulb Dia (mm)	Bulb Length (mm)	Base	Rated Lamp Current(A)	Initial Lumens (lm)	Average Life (h)	Color Rendering Index(Ra)	Std. Pkg.Q'ty	Color Description
GX13 Type												
FHC22E/841	4,100	22	T-5	16	225	2GX13	0.300	1,800	16,000	84	10	3-Band Cool White
FHC22E/835	3,500	22	T-5	16	225	2GX13	0.300	1,800	16,000	84	10	3-Band White 3500
FHC22E/830	3,000	22	T-5	16	225	2GX13	0.300	1,800	16,000	84	10	3-Band Warm White
FHC22E/827	2,700	22	T-5	16	225	2GX13	0.300	1,800	16,000	84	10	3-Band Incand. Light
FHC40E/841	4,100	40	T-5	16	299	2GX13	0.320	3,300	16,000	84	10	3-Band Cool White
FHC40E/835	3,500	40	T-5	16	299	2GX13	0.320	3,300	16,000	84	10	3-Band White 3500
FHC40E/830	3,000	40	T-5	16	299	2GX13	0.320	3,300	16,000	84	10	3-Band Warm White
FHC40E/827	2,700	40	T-5	16	299	2GX13	0.320	3,300	16,000	84	10	3-Band Incand. Light
FHC55E/841	4,100	55	T-5	16	299	2GX13	0.550	4,200	16,000	84	10	3-Band Cool White
FHC55E/830	3,000	55	T-5	16	299	2GX13	0.550	4,200	16,000	84	10	3-Band Warm White
FHC60E/830	3,000	60	T-5	16	373	2GX13	0.470	5,000	16,000	84	10	3-Band Warm White
GZ10q Type												
FHC20ED	6,700	20	T-5	16	225	GZ10q	0.215	1,600	16,000	88	5	3-Band Daylight
FHC20EN	5,000	20	T-5	16	225	GZ10q	0.215	1,700	16,000	88	5	3-Band Natural White
FHC20EL	3,000	20	T-5	16	225	GZ10q	0.215	1,700	16,000	84	5	3-Band Warm White
FHC27ED	6,700	27	T-5	16	299	GZ10q	0.215	2,340	16,000	88	5	3-Band Daylight
FHC27EN	5,000	27	T-5	16	299	GZ10q	0.215	2,490	16,000	88	5	3-Band Natural White
FHC27EL	3,000	27	T-5	16	299	GZ10q	0.215	2,490	16,000	84	5	3-Band Warm White
FHC34ED	6,700	34	T-5	16	373	GZ10q	0.215	3,050	16,000	88	5	3-Band Daylight
FHC34EN	5,000	34	T-5	16	373	GZ10q	0.215	3,240	16,000	88	5	3-Band Natural White
FHC34EL	3,000	34	T-5	16	373	GZ10q	0.215	3,240	16,000	84	5	3-Band Warm White

Note: Use with high frequency operation fixtures.