

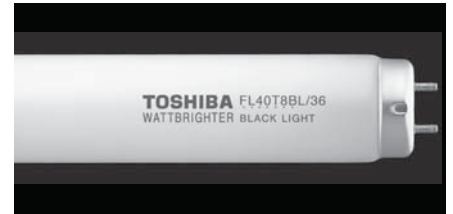
Special Use Fluorescent Lamps

TOSHIBA



Black Light

This lamp employs photochemical and scintillation action to efficiently radiate near-ultraviolet rays (at a peak wavelength of 352 nm) while emitting only a small amount of visible light. Since near-ultraviolet rays attract most nocturnal flying insects, this lamp can be used as the light source in insect traps.



Product Order Code	Watts (W)	Bulb Shape	Bulb Dia (mm)	Bulb Length (mm)	Base	Rated Lamp Current(A)	Average Life (h)	UV Energy (W)	UV Irradiance (μcm^2)	Std. Pkg. Q'ty	
										Inner	Outer
FL 4 BL	4	T-5	15.5	134.5	G5	0.162	2,000	0.20	2.1	100	600
FL 6 BL	6	T-5	15.5	210.5	G5	0.147	2,000	0.60	6.4	100	600
FL 8 BL	8	T-5	15.5	287.0	G5	0.170	2,000	0.75	8.0	100	600
FL10 BL	10	T-8	25.5	330.0	G13	0.230	3,000	0.90	9.5	25	200
FL15 BL	15	T-8	25.5	436.0	G13	0.300	4,000	1.50	19.0	25	200
FL20S BL	20	T-10	32.5	588.7	G13	0.360	5,000	2.90	30.0	---	25
FL40S BL	40	T-10	32.5	1,198.0	G13	0.420	5,000	6.00	53.0	---	25

Warning : Ultraviolet rays emitted from Black Light Lamps are not harmful (wave length under 300nm).
However when working around ultraviolet rays for a long time, please wear glasses to protect your eyes.

Note : UV rays are adsorbed by general glass.
It need to pay an attention in case of using Black Light Lamps put behind thick glasses.



Black Light Blue

The BLB (Black Light Blue) lamps use a special glass filter that absorbs almost all visible light and passes near ultraviolet energy.

There are many industrial applications for these lamps such as photo-exposure and chemical reactions. They can also be used for the selection of minerals by fluorescence.



Product Order Code	Watts (W)	Bulb Shape	Bulb Dia (mm)	Bulb Length (mm)	Base	Rated Lamp Current(A)	Average Life (h)	UV Energy (W)	UV Irradiance (μcm^2)	Std. Pkg. Q'ty	
										Inner	Outer
FL 4 BLB	4	T-5	15.5	134.5	G5	0.162	2,000	0.20	2.7	50	1,000
FL 6 BLB	6	T-5	15.5	210.5	G5	0.147	2,000	0.60	6.4	50	500
FL 8 BLB	8	T-5	15.5	287.0	G5	0.170	2,000	1.00	11.0	50	500
FL10 BLB	10	T-8	25.5	330.0	G13	0.230	3,000	1.20	13.0	20	200
FL15 BLB	15	T-8	25.5	436.0	G13	0.300	4,000	2.00	21.0	20	200
FL20S BLB	20	T-10	32.5	588.7	G13	0.360	5,000	3.00	31.0	10	100
FL40S BLB	40	T-10	32.5	1,198.0	G13	0.420	5,000	7.40	66.0	10	60

Warning: Ultraviolet rays emitted from Black Light Blue Lamps are not harmful (wave length under 300nm).
However when working around ultraviolet rays for a long time, please wear glasses to protect your eyes.

- Note :
- UV rays are adsorbed by general glass.
It need to pay an attention in case of using Black Light Blue Lamps put behind thick glass.
 - Normal glass (3mm thick) absorbs approximately 10% of near UV light at wavelengths over 360nm, approximately 30% at wavelengths of 340nm, and approximately 80% at wavelengths of 320nm. The effect is therefore reduced if thick glass is used.
 - UV emission intensity is a value measured at a distance of one meter from the lamp.
 - Compared to regular lamps, UV lamps hasten the degradation of resins.

Remarks

Measurements are made at the room temp. of 20°C after 100 hours of burning.
Numerals following slash (/) denote power consumed for the lamp.
*Items are energy saving fluorescent lamps, to be named 'WATTBRIGHTER'