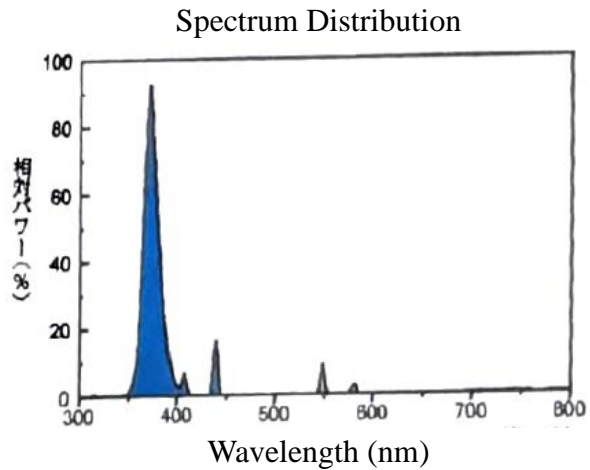


Technical Data Sheet of UV Lamps

1. Lamps manufacturer : Japan NEC
2. Lamp type : CCFL (Cold Cathode Fluorescent Lamps)
3. Characteristic

Characteristics 1 Maximum activation of Photocatalysis effect

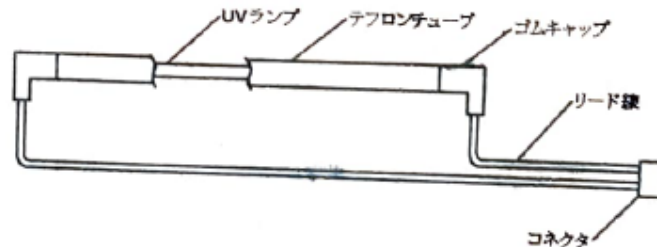
The lamp for the photocatalyst of NEC can most effectively activate the photocatalyst (titanium dioxide TiO₂). The main wavelength is 368nm phosphor to produce an efficient photocatalyst. It is the best lamp to remove dirty dust odor bacteria by strongly promoting oxidation reduction reaction, which shall occur on the surface of the photocatalyst.



Characteristics 2 Prevention of the output degradation by the wind

The dual tube structure using the special tube of the Teflon material prevents the output degradation by the wind. Optimum for light sources of Photocatalysis such as air cleaners, air conditioners, etc.

■ Structure



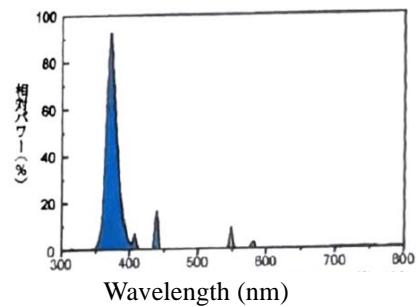
CFL3UV 37/180T3.0



CFL3UV3 7/300T3.0



Spectrum Distribution



■ Main Features

- The phosphor of 368nm of main wavelength which most effectively activates the photocatalyst (TiO2) is used to realize high efficiency
- Realization of Long Life of 25,000 Hours by Cold Cathode Tube
- The output degradation by the wind is prevented by using the Teflon tube

■ Usage

- The light source of the Photocatalysis using devices such as the air purifier, air-conditioner, etc.

■ Technical Data

Pipe diameter (mm)	Length (mm)	Name	Current (mA)	Voltage (V)	UV output (mW/cm ²)	Rated life (H)	Outer space (mm)	
							Outer diameter	Outer length
3.0	180	CFL3UV37/180T3.0	5.0	500	5.2	25,000	6.0	191.5
3.0	250	CFL3UV37/250T3.0	5.0	600	5.2	25,000	6.0	261.5
3.0	300	CFL3UV37/300T3.0	5.0	680	5.2	25,000	6.0	311.5


UV A Lamps used by Airion now