

Ans-4 To construct a fluorescent tube light, a lime glass tube, drop of mercury, argon gas, phosphor coating and the electrodes with thin-mount assemblies, are required. Total set up lamp requires two bases and choke coil with starter, the electrode is similar to the in incandescent lamp filament.

### Working of fluorescent lamp

Fluorescent lamps work by ionizing mercury vapour in glass tube. This causes electrons in the gas to emit photons at UV frequencies, the UV light is converted into standard visible light using a phosphor coating on the inside of the tube.

### Types of Lamp

Fluorescent Lamp → The most common types are 40 watt 4-foot (1.2 meters) lamps, and 75 watt 8-foot (2.4 meters) lamps. Now tubular fluorescent technology has improved.