

2.8 Induction

Induction lamps are essentially gas discharge lamps that do not have electrodes. Instead the electric field in the lamp is induced by an induction coil that is operating at high frequency. The only types of induction lamps that are currently in production are based on fluorescent lamp technology. See Figures 59, 60, 61.

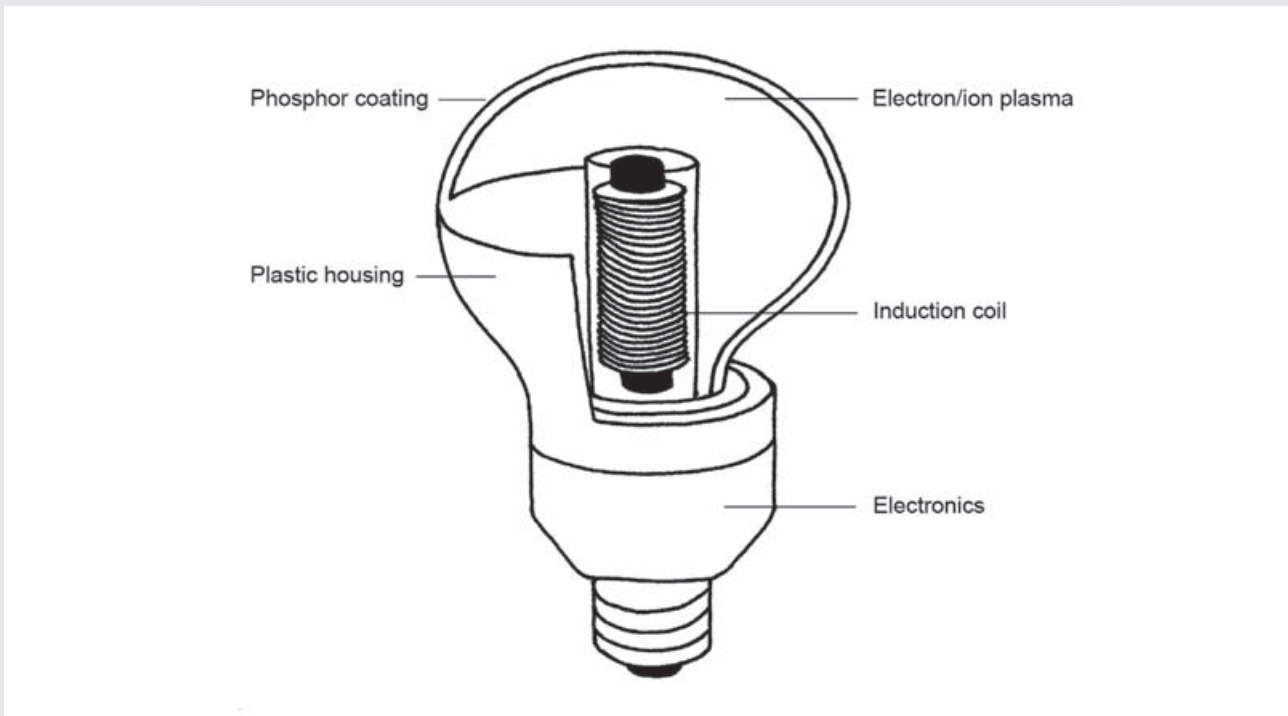
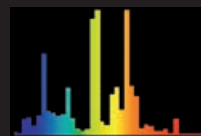


Figure 59
Typical construction of a cavity type induction lamp.



Daylight



Fluorescent (white)

Figure 60
Typical spectral light distribution of high pressure sodium lamp in comparison to daylight spectrum.