

The performance of these lamps is not considered to be very good today. Their efficacy is around 40 lumens per watt. Their CIE general colour rendering index is between 40 and 50 and they can have a very long life but, because of poor lumen maintenance and heat issues in hot environment, it is generally recommended that the lamps are changed after 6,000 to 10,000 (from local experience) hours of use. Because of their poor performance and the fact that better lamp types are available for almost all of the applications these lamps are being phased out. See Figures 43, 44, 45.

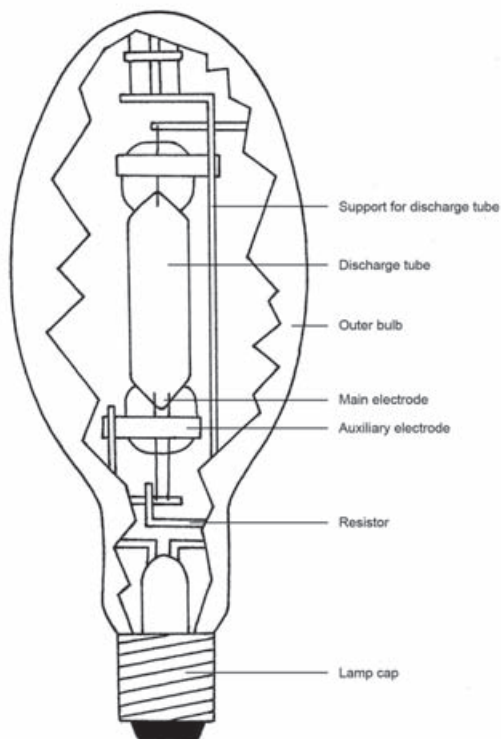
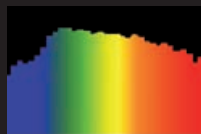


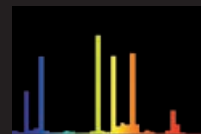
Figure 43  
Construction of a high pressure mercury lamp.



Figure 45  
Typical high pressure mercury lamp E27 socket.



Daylight



High Pressure Mercury (white)

Figure 44  
Typical spectral light distribution of high pressure mercury lamp in comparison to daylight spectrum.