

Table 3.2 Correlated colour temperatures of the sky

Sky condition	CCT (K)
Bright midday sun	5,200
Lightly overcast sky	6,000
Heavily overcast sky	6,500
Hazy sky	8,000
Deep blue clear sky	20,000

3.3 Electric light

3.3.1 Incandescent

The incandescent lamp is operated by heating a filament in the lamp to a high temperature, so that it emits light. The basic principle of the lamp may be simple but the technology required to maintain a filament at a high enough temperature to give significant amount of light whilst ensuring the lamp has a reasonable life is highly complex. The basic and most popular form of the lamp is the General Lighting Service (GLS) lamp.

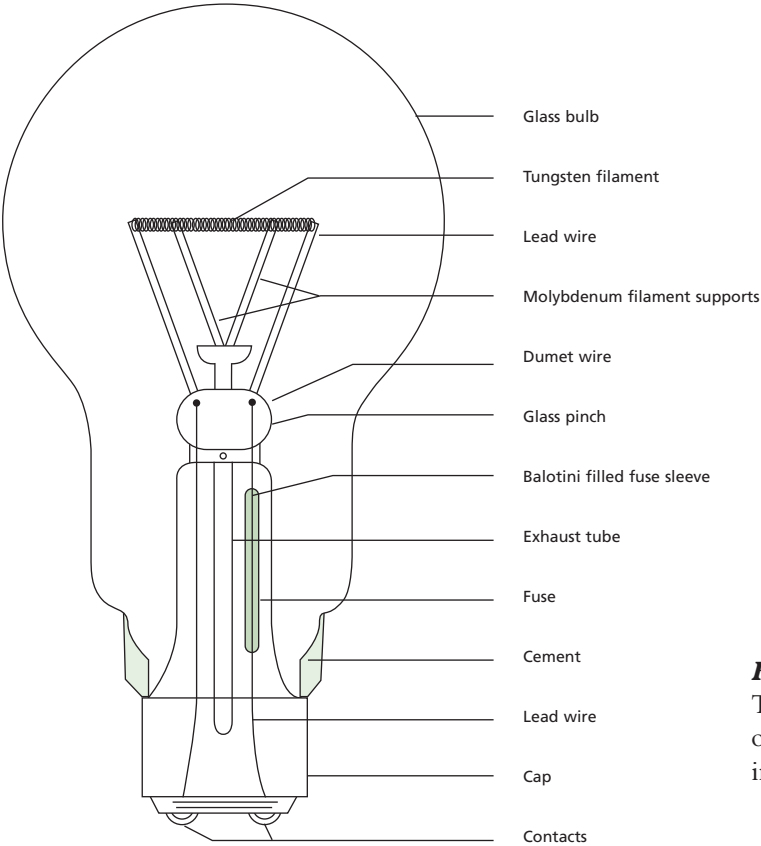


Figure 3.11
The construction
of a GLS
incandescent lamp