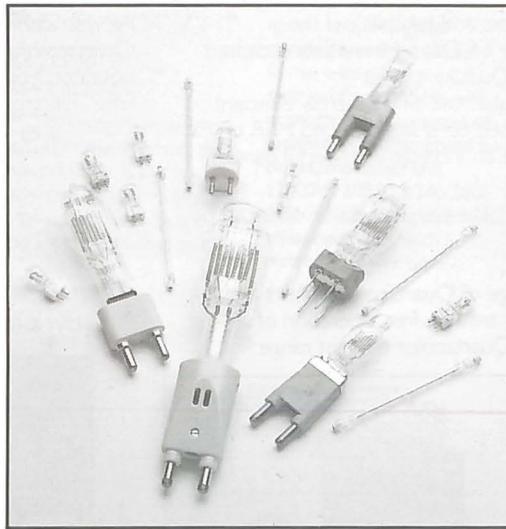


LAMPS

Strand and Quartzcolor luminaires provide optimum performance and safety when fitted with the lamps for which they were designed. A complete range of incandescent and discharge lamps is available from Strand to suit every luminaire and application.



Incandescent lamps

With few exceptions, quartz halogen is now the standard incandescent lamp format for theatre and studio lighting, providing efficiency, durability and consistent colour temperature throughout lamp life. There are two types: CP Class with colour temperature of 3200°K – primarily for studio use where high colour temperature is essential; and T Class – the standard theatre lamp with colour temperature of 3050°K but with longer life.



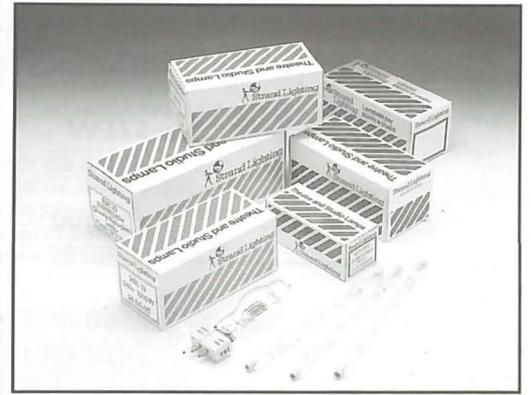
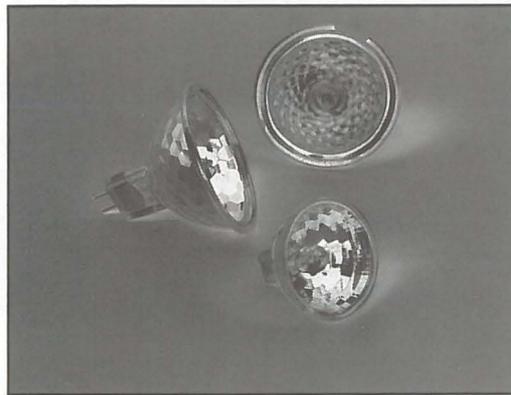
Discharge lamps

These provide much higher efficiency than incandescent lamps but cannot be dimmed effectively. There are three main types used in theatre, TV and motion picture lighting: HMI – with a colour temperature of 5600°K to match daylight lighting for location work; CID – with a colour temperature of 5500°K also for matching daylight; and CSI – with a colour temperature of 4000°K, more suited to the general studio and theatre colour temperature of 3200°K.

Architectural Lamps

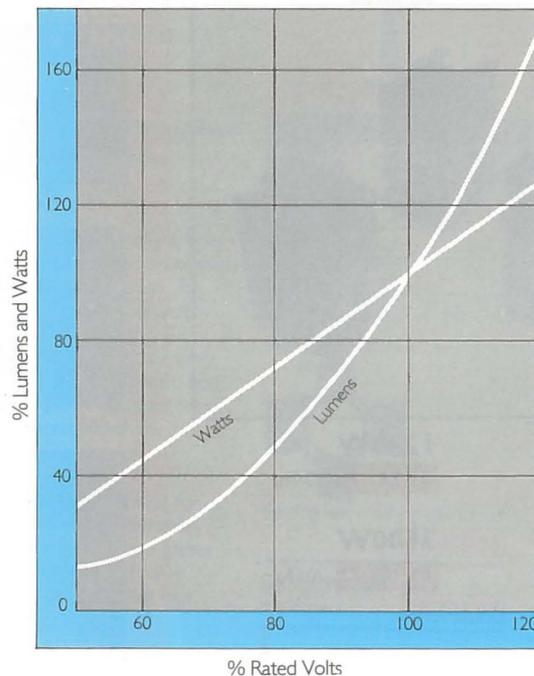
A range of low voltage lamps with an integral dichroic coated reflector which produces a "cool beam" by directing most of the heat backwards through the reflector.

The lamps have a good colour rendering and range from a very narrow spot (to allow selective highlighting of individual pieces and displays) to a wide flood (for area lighting). The multifaceted reflector produces a visually attractive sparkle which is utilised in the Strand Architectural Spotlight range.

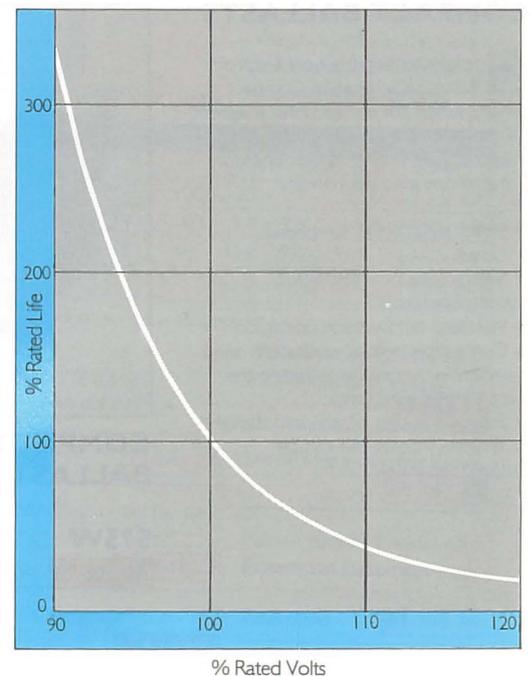


INCANDESCENT LIGHT OUTPUT AND LAMP LIFE

It is important to note that the light output of incandescent lamps increases with higher voltages but lamp life is shortened. The adjacent tables show this relationship.



Variation of light output and wattage with applied voltage for a typical tungsten halogen lamp.



Typical life variation against operating voltage.