

Gold Coated Reflector Lamps

The dichroic reflector lamps and the aluminum reflectors mentioned above can also be supplied with a gold coating. This layer of gold provides for increased emission in the infrared (see figure below). Applications of gold coated reflectors include open field IR gas detection, local infrared heating, and remote testing of flame detectors.

Visible/Infrared Lamps

Our T 3/4 and T-1 Visible/Infrared lamps are designed for applications requiring wide spectrum emission, such as gas sensing and detection.

These lamps are made with a rugged, compact CC-6 filament that concentrates infrared energy into a small point. The thin glass envelope results in minimum infrared absorption. Peak energy of these lamps occurs at 1.4 microns and extends beyond 4.0 microns. The visible/infrared lamps have been designed for long life and can be supplied with standard wire leads or a bi-pin base.

Reflector Lamps

Reflector lamps are an excellent choice when lighting applications require directional control of emitted light. The use of a reflector can increase light output two to five times. Our MR11 and MR16 dichroic reflector lamps serve to collect the visible light and focus it forward into an intense pattern. The dichroic reflector allows most of the light with wavelengths longer than 700 nanometers to pass through the reflector. This effectively selects only the visible portion of the light to form the beam. These lamps are recommended for fiber optic illumination, machine vision, and other optical systems requiring high output.

