

## **Illumination Apparatus**

### **ABSTRACT**

An illumination apparatus (10) comprising a plurality of light emitting diodes (LEDs) (21), a heat sink (23), and a reflector (25). The reflector (25) defines a plurality of cavities (27) in which the LEDs (21) are accommodated. The reflector (25) comprises a plurality of reflector portions (61) defining the cavities (27). Each reflector portion (61) defines an opening (65) to which the respective cavity (27) extends, whereby light emitted by the respective LED (21) can pass through the opening (65) for illumination purposes. Each reflector portion (61) comprises side walls (70), and also an inner wall (75) which is in opposed relation to the opening (65). The side walls (70) provide reflective surfaces (81) for intercepting light emitted from the respective LED (21) and directing it towards the opening (65). The reflective surfaces (81) are oblique to the opening (65), facilitating some directional control of light being emitted through the opening. The LEDs (21) are provided by a plurality of LED modules (29). The heat sink (23) may be common to the plurality of LED modules (29). The heat sink (25) may comprise an aluminum extrusion, with the plurality of LED modules (29) being disposed along the extrusion.

Figure 4.