

ABSTRACT

LED RETROFIT DEVICE FOR POST TOP LAMPS

There is provided a lighting device for public lamps, comprising: a heat-conducting body having two major surfaces located on two portions of the body, a first major surface defining a reflective sloped recess extending across a substantial area of the first major surface, a second major surface comprising at least one heat dissipation structure; an illumination source comprising a single, continuous substrate of flexible circuit, at least one light emitting semiconductor device (LESD) formed on the flexible circuit; a thermal interface material interposed between the illumination source and the first major surface; and securing features located on the body for coupling to support structures in the lamp to mount the body to the lamp.

Figure 1