

LED TRAFFIC INFORMATION BILLBOARD DEVICE

ABSTRACT

5 A LED traffic information billboard or sign device is installed on a road to remind
a pedestrian or an approaching car to pay attention to the current traffic signal. The
device includes a light source module and a secondary optical element, and the light
source module includes a plurality of LEDs and a substrate, and the LEDs are arranged
into a matrix and installed on the substrate. The secondary optical element is installed
on the LEDs, and the lights emitted from the LEDs are passed through the secondary
10 optical element and deflected to produce a deflected beam, so that the deflected beam
can be projected directly onto the pedestrian or the approaching car.

Figure 1C