

WATERPROOF LIGHT-EMITTING-DIODE ILLUMINATING DEVICE

ABSTRACT OF THE DISCLOSURE

A light-emitting-diode (LED) illuminating device includes an object having a plurality of holes formed thereon, and at least one LED lamp bank consisting of a plurality of LED lamps serially connected together using an electric wire. The LED lamps are separately inserted in the holes on the object to show geometrical shapes or patterns, and/or word or words on the object, so that the object may be used as an illuminating signboard. Each of the LED lamps includes an LED and a protective member enclosing a rear part of the LED, so that the LED is waterproof and not subjected to breaking easily. The LED-illuminating device is easy to assemble, consumes less power, and has longer usable life and reduced cost.

Figure : 3