

AN IMPROVED STRUCTURE OF A COLOR CHANGEABLE SOFT-TUBE LIGHT

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ABSTRACT

An improved color changeable tube light includes a opaque core line, a plurality of LEDs being arranged in the core line, a translucent diffuser with the same length as the core line, a cladding layer having the same length as the core line and covering the core line and being formed by extrusion molding integrally with the diffuser into one piece. A unit is formed by disposing a red LED, a green LED and a blue LED of the plurality of LEDs into a fixing means, a plurality of the units are connected in series and disposed in the plurality of transversal through-holes of the core line respectively. The fixing means may be a box. The box may be quadrate, round or elliptic in shape. The tube light of the present invention to have the effects of light beams of neon light, and the color changing and the color mixing to obtain various results are available.

Figure 1