

FLUORESCENT LAMP TUBE

ABSTRACT

A new fluorescent lamp comprises a lamp tube and an electronic ballast, it is characterized in that it is provided with an outer tube, there are respectively an outer plug at both ends of the outer tube, in which inserts a socket for the lamp tube. The electronic ballast is between the outer plug and the socket for the lamp tube at one end, said lamp tube is disposed between two sockets for the lamp tube. There are advantages as follows: an urgent lighting, the electronic ballast and the compact lamp tube are integrated as one whole; it is convenient for mounting and exchanging, a cost for mounting is greatly reduced; it is possible for repacking to maintain an original means, to reduce a contamination of waste; its weight is light; its power factor is high, more than 95%, it is economical in power, a cost for transporting is low; the color rendering index (CRI) is more than 80%; it is ignited immediately after it is turned on, it does not flash; it is applied to lamps having deferent power; the life of the lamp tube is prolonged by 50%; its output brightness is higher than existing lamps by twice or more; the lamp tube still steadily operates when a power supply is unexpected to be shut off, which reduces accident cases; the whole distortion of a resonant wave becomes smaller than 30%.



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