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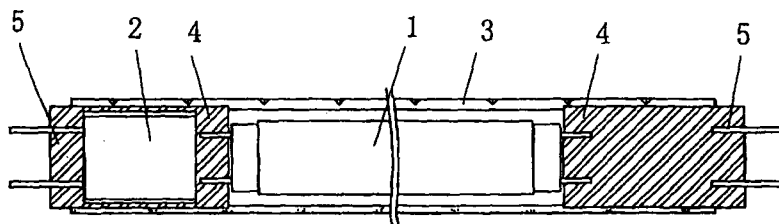
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(54) Title: A NEW FLUORESCENT LAMP

(54) 发明名称: 新型荧光灯管



(57) 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 follow: 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 a 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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(57) 摘要

一种新型荧光灯管，包括灯管和电子镇流器，其特征是：设有一外管，外管的两端插固具有灯管插座的外插头，该其中一端的外插头与灯管插座之间装设有电子镇流器；上述灯管插置于该外管内的二灯管插座之间。优点是：将紧急照明、电子镇流器及节能光管容为一体；使安装更换方便，极大的减少安装费用；改装是可保留原有的装置，减少垃圾污染；重量轻；功率因数高，大于 95%，节电，营运成本低；色显指标 CRI (Color Rendering Index) 超过 80%；即开即亮，不闪动；适用于不同功率的灯管；延长灯管寿命 50%；输出光度比旧有光管高 2 倍以上；当意外断电时光管仍能稳定工作，减少意外发生；总谐波畸变小于 30%。