

Led lighting

The contents Led lighting is a complex of the equipment for illumination of various kinds based on the emission occurs under the action of electric current in a special semi-conductor devices. The advantage of this technical solution at a significant savings. Efficiency led lighting much higher than incandescent lamps. It was hard to believe what some half a century ago, but today, led lighting is the most economical of all the others. An additional plus in the wide range of colors characterized by a special parameter, the temperature of which can be found on the packaging. Savings compared to filament bulbs is up to 10 times and led lighting undoubtedly has better color rendering than halogen sources bit. The developers promise an incredible longevity of its products. The average lifespan of led lighting is 30000 hours, and up to 50000. It's a long decades of trouble-free operation. Thanks to the integrated driver led lamps are not afraid of power surges dramatically reduce the service life. Although there are some problems when you need to use switches with led indication. Cm. Led aquarium lighting with their hands The light from the LEDs Available for sale as branded products cost up to 2000 rubles apiece and Chinese goods ten times cheaper. And nothing bad about the latter to say. Choose led lighting you need not only power but also from the absence of flicker. To identify negative effect with the camera is of poor quality. Will fit an old phone or iPad. Not a professional camera. Should focus on the glass bulb and carefully see any flicker. A prerequisite for the creation of the first led made of silicon carbide was the note of 1907 in the journal electrical world published in new York by McGraw and hill. The text would read that Henry Joseph Round was experimenting with a crystal of carborundum and found an amazing never before seen phenomenon. When connecting electrodes of DC glow was observed. Only some samples showed this effect at a voltage of 10 V but almost any crystal began to luminesce as the value increases to 110 V. In most cases, the glow was yellow hue and was observed near the negative pole while the positive periodically flared greenish-blue sparks. In addition some samples of crystals showed light green blue and orange. Round tried to place the negative electrode in the middle of the crystal then emits light was only one pole is positive.

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