

Is led lighting the lighting elements of the new generation, who have a huge p

Led lighting is the lighting elements of the new generation who have a huge advantage over conventional incandescent lamps. Led lamps appeared in our country not so long ago in the second half of the last century, but at the moment it became clear that it was the light of our future. The development and production of led lights is a high tech industry requiring highly skilled specialists in optics thermal physics microelectronics and most importantly experienced people to establish a serious production impossible. Everyone knows that LEDs have 2 main advantages over traditional light sources is high luminous efficiency and durability in compliance with manufacturer's recommended operating parameters. One of the main parameters influencing the service life and simultaneously the luminous efficiency is the operating temperature of the crystal and p-n junction affects the degradation of the crystal of the phosphor. First, the exploitation of the consumer does not notice problems in the lamp due to overheating but after a certain time begins the decline of luminescence intensity up to 15-30% for every 10,000 hours of operation. Developing a led street luminaire NL-Street-1M and industrial led lamp which is currently undergoing final testing experts and engineers, our company has made theoretical calculations and many practical experiments before he settled on designs used lamps. Designed the structural elements of the heat sink ensures that heat dissipation from the LEDs and reduces the cost of street and industrial lamps for the client. To be continued. In this series of articles we'll talk about the little secrets we produce high quality led lamps. The composition of the produced lights are part of the PCB on aluminum base. Aluminum PCB allows you to quickly remove heat from the led to the external radiator, thereby ensuring its long service. Printed circuit boards are covered with mask white color optimized optical characteristics and does not change its properties during the installation of the LEDs and the most important thing in the process of operation. Innovation quality reliability and low price of led lamps is the main requirement for modern led lamps. Led floodlight is a new product which replaces the conventional bulb for illumination of the advertising panels of various landscape elements and architectural structures. It can be applied for lighting industrial facilities playgrounds plazas streets, warehouses, etc. used in the construction of floodlight LEDs enables it to serve for long

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