



New materials for lenses

Khatod's main focus is to offer high quality products together with services that optoelectronics manufacturers require:

- Quick deliveries
- A full range of products
- Custom products with quick turnaround time from our laboratories.

Khatod continually **reinvests** its profits into **research and development of new products** as well as **into research of new materials** in order to remain the front line producer in the optoelectronic industry evolution.

Khatod increases automation and management systems capability and continually supports the evaluation and consideration of new materials; maintains high quality standards and provides prompt response to new process evolution and immediate creation of custom products.

Khatod's customers can rely on our Product Quality which is constantly monitored and tested in our laboratory according to specific investigation standards of the industry, using our own equipment and sophisticated optical analysis software.

Moreover they can have direct contact with our sales network, customer service department and engineering team in our factory, as well as other locations globally. Khatod provides immediate availability of products in our stock.

2007 has led to the creation of several new series of products:

LED Reflectors, new Triple Lenses, Thetalens.

All are examples of Khatod's prompt reaction to the ever changing market requirements.

Our continuous investment in technology and research has led to a 25% improvement in the performance of the existing lens series.

Our designers have developed the new Power LED Reflectors by using software for optical design and simulation as well as special cutting-edge technologies. The LED reflector production requires a long, unique process in order to create a technically superior finish with excellent performance. The finish is obtained by a specific production process of multiple aluminium coatings, special painting treatments that are carried out before and after the metallizing process and the application of special protective chemical coatings. The applications for these reflectors are mostly LED torches, allowing an easy mix of different beams coming from the reflectors themselves. The reflectors are also widely used with chip on board Power LEDs with RGB LED.

The new Triple Lens, created using the SFP (Single Fixing Point) system, merges high optical performance of NJC lenses with the perfect fit of self-tapping screws. This screw fixing system eliminates the hot riveting of the pegs to the PCB allowing a direct coupling onto the LED.

The SFP system eliminates the need for a collimator and, as with NJC lenses, eliminates the use of the pegs, allowing an excellent heat dispersion and excellent coupling of lens and LED.

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