



LED Technology has made great progress in the last years

The continuous improvement in performance and the ever-increasing number of Power LEDs manufacturers has produced a great change in LEDs market

Custom products will be created by Khatod depending on the specific customer's requirements and on the huge market of Power LED diversification and application.

Only one year ago, the customer had used mostly one or two types of LEDs.

At present the LED and lens specifications for final applications have created new avenues for Khatod to meet and exceed the market for these custom applications.

Khatod's focus on secondary optics for the major LEDs manufacturers has required great technical and productive efforts to meet the needs of the market.

The creation of a complete lenses series (single, triple MR16, triple MR11, Quad MR16, all in NJC Technology™) for most of the major LEDs manufacturers has caused us to invest in research, and greater production capabilities. Our great care in developing such a program, as well as customizing lenses, allows the customer to feel free to choose the product which will best meet the requirements of product specification.

Khatod has created new products such as the Power LED Reflectors, the Narrow spot (12°) optic, dedicated to 7090XR-E LED CREE® XLAMP® series, and the new Diffusing Lenses for light marker applications.

Khatod Reflectors are available in three sizes: 17mm – 20mm and 27mm, and in two different finishes: bright finish for Narrow spot (6°/8° depending on the LED type) and embossed finish for Wide spot (30°/40° depending on the LED type).

The creation of NJC Technology™ is one of the most important steps Khatod has taken to meet the needs of the industry. Beginning with substantial research, our designers and engineers have developed new, technically unique products while creating the necessary tooling and equipment to manufacture them.

For over twenty years Khatod Optoelectronic's designers and engineers, working with some of the major European design centres, have been successful in specifying and developing these lenses. By using software for optical simulation and software for thermoplastic injection moulding experimentation our designers have managed to develop highly technical products and to create and maintain high quality standards.

All Khatod products are tested individually in the dark room to check the efficiency through our virtual simulation, production and quality control.

Khatod designers and engineers monitor all the design and development phases focusing their best professionals in developing highly technical products.

Khatod is the best choice for high quality standards, professionalism, expertise and ability to manage the specific logistics that optoelectronic components require for each customer and each application.

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