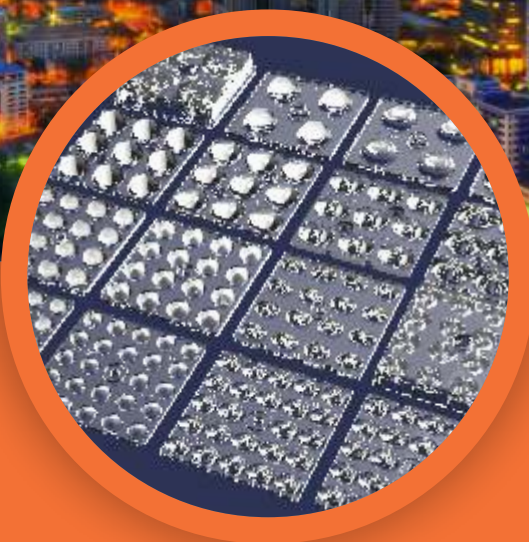


**BEACON OPTRONICS**

The Shape of light

# COMPANY PROFILE

HIGH PRECISION SECONDARY  
LED LENSES



WHO WE ARE??



**BEACON OPTRONICS**

The Shape of Light

Beacon Optronics was never just another LED lens manufacturer. Rather it was destined to be a 'beacon' for creativity, quality, and innovation. Supported by a strong management team that has worked in this industry for the past decade, we bring to the table experience, expertise, and passion. It was always our belief that creativity, quality, and innovation will be the cornerstone of our success - one that has and will continue to help us establish our reputation as a company that always goes above and beyond.

We focus on the design and manufacturing of secondary optics for LED Lighting like streetlight, flood light, high bay light, Stadium Light etc. Our highly qualified & experienced R&D team and state of art manufacturing facilities equipped with advance production machines will provide high precision & stable optical solutions.

Beacon leverages its extensive experience and resources to provide complete design, development, and manufacturing capabilities to produce custom optical solution for LED lighting.

We are proud of our team's dedication to excellence. From our design wizards to our R&D specialists, and our manufacturing department all the way down to our delivery agents, every member plays a vital role in delivering outstanding products to our customers.



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### **Mission**

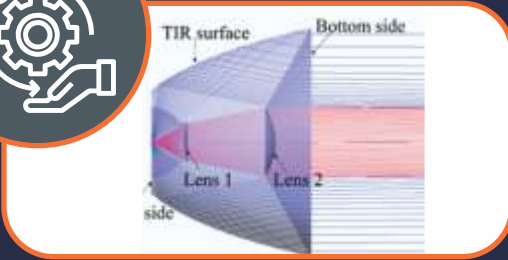
Steadfast on our commitment to exceeding customer expectations through revolutionary lighting technology, unique optical designs, and awe-inspiring illumination we strive to be the leading provider of LED lenses in the nation.

### **Vision**

We envision a world where our products, supported by excellent customer service can work to create a brighter, more efficient, greener tomorrow, empowered by cutting-edge technology capable of bringing about a world where lighting is not just functional - but rather a work of art.



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**Optical Design and Simulation (R&D)**



**Testing**



**Mould Design and Development**



**Custom Design and Development**



**Mass Production**

**OUR  
SERVICES**

# Customization Process



## Light source:

- Type of led (3030, 3535, 5050 etc).
- LED Manufacturer (Osram, Seoul, Samsung, Lattice-Power, Cree)
- LED Specification (Colour Temp., CCT, CRI etc.)



## Optical Design requirements:

- Required Beam Angle (Symmetric / Asymmetric)
- Required Lux Value, Candela Value, Uniformity.
- If Road Lighting then (Road Width, Pole to Pole Distance, Pole Height and required Lux Value in a Specific area)



## Mechanical requirements:

- Dimension of a Particular Area where you will fix the lens (LxWxH)
- How Much Wattage of your light so that we will calculate No. of led for you or if you already have calculation then please share.
- Non-IP& IP Rating (IP-65,66,67) also IK Rating



## Other specification:

- If you need specific material (PC, PMMA)
- Specific Application



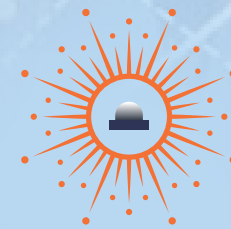
## Development Cycle : 30Days

- 1st Optical Design and Simulation
- 2nd Mechanical Part Design and Simulation
- 3rd Mould Design and Mould Flow Analysis
- 4th Mould Manufacturing
- 5th After Mechanical Approval Finish for final sample and Optical Testing



# OUR CAPABILITIES

- ◆ Highly experienced and Innovative Optical design team for designing and simulation of every kind of Optics like Freeform, TIR etc.
- ◆ By using Trace-pro software from Lambda research Corporation USA makes our designs unique more precise and highly efficient.
- ◆ Lighting design team helps our customers to complete the project suggest them suitable optics and create a perfect concept as per customer requirements using DIALux Software.
- ◆ By using Optical Testing Instrument like Photogoniometer we test our Optics inhouse and create an IES file and Photometry report which helps a lot to our customer selecting a suitable optics while creating a project.
- ◆ Raw Material Testing Equipment and other Mechanical test equipment helps us to check our lenses strength and Physical sustainability.
- ◆ Highly Precise Injection Moulding Machines which is specially designed for Optical components helps us to maintain the good quality and consistency.
- ◆ Inhouse tooling facility equipped with advance machines like VMC, Milling, Lathe, Surface Grinder, etc... will give highly precise surface of machining and accurate dimensions which helps us to maintain the same beam angle which we have designed.



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Success

Solution

Business Strategy

Business  
Strategy  
Management

Business  
Strategy  
Management

SOCIAL NETWORK





Street Lighting



Stadium Lighting



Stage Lighting



Facade Lighting



Tunnel Lighting



Industrial Lighting



Medical Lighting



Indoor Lighting



Highmast Lighting

# APPLICATIONS



**BEACON OPTRONICS**

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Mfd. By :

**Beacon Optronics**

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