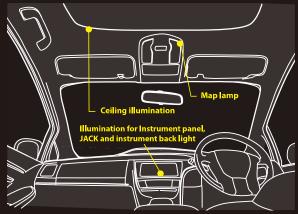




Light Guide Product introduction

Creates light for security, safety and comfort with light guide



■ Direct illumination

Techniques we build for the development of automotive SMLs are used in direct illumination which secures safety by providing light to hands and foot areas.

- Courtesy lamp
- USB, JACK lens

■ Back light illumination

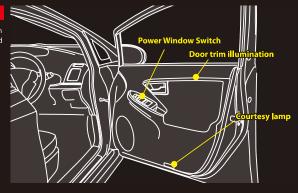
With high performance lens in a limited space, it will support your switching operations by providing hiahly visible liaht.

- · Power window switch
- Steering switch

Indirect illumination ▶

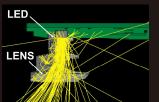
Provide highly distributed ambient illumination light to envelop passengers with softly illuminated light in the car interior space.

- · Ceiling illumination
- Door trim illumination
- · Center console illumination
- · Inner handle illumination



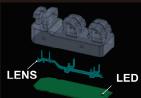
▼ Map Light

We developed patented 3 layers optical lenses. Map light secures stable illumination in the interior atmosphere by refracting straight light from interior ceiling. These engineering techniques are based on techniques we build for the development of automotive SMLs for long time period.



▼ Window Switch Lens

We successfully achieved 7 switch light illuminations with just one light source through simulation despite space limitation and light control difficulties. This result made it possible to resolve color variation and achieved less parts quantity and less assembly processes.



▼ Ambient Illumination

Our technical feature is to make complex configured light guide to illuminate consistently when it is equipped along the car interior including LED light source and unit products, not only lens alone. We have capability to design the most suitable configuration by prism or blast treatment depending on applications.



Designing & Mass production

Capability for consistent production process from designing through production with domestic owned factories

● Designing — High level of CAE optical analysis techniques, optical feature evaluation device and surrounding environment are backing

up designing process.

■ Tooling —— Capable to process optical surface and micro pattern process. Provide most suitable tooling designing and processing

techniques for optical products.

Molding — Capability and techniques which are specialized in

molding transparent resin with unique feature. Molding machines and surrounding environment are also specialized in molding transparent resin.

Product design

Tooling factory



As all designing, tooling manufacturing, molding and assembling processes are performed within Oshino group. We have strong capability to back up and support customers for launching new product development speedily.

Molding factory

Our quality products have been serving to many customers as trusted supplier to meet quality, cost and delivery requirements.

Tooling factory Capability for designing, processing, manufacturing and assembling plastic molding tooling

Prism treated inserts manufacturing Capability to make micro prism processed inserts for mold

Image for convex prism treated inserts



[Main Products]

Capability to make inserts for mold by microfabrication

(Lens for automotive and LED unit cover)

•SML parts (Base part for lamp)

•Watch parts (Band and bezel)

Molding factory Specialized in molding optical products with transparent resin





[Main Products]

Optical Products for automotive (Light guide, lens, diffuser and LED)

Optical Products for general industry

Specialized in transparent resin products

techniques to achieve complex and high clean room (which is not common practice) Lamps Ltd. has established confidence from grade manufacturing of transparent resin so it provides clean working environment. many customers by continuously providing control is required.



Clean environment

Oshino Lamps Ltd. has knowledge and All molding machines are located inside As "OL: Oshino Lamps" brand, Oshino environment in which foreign objects are globally for the long time.



Quality Products

8 and successfully achieved clean automotive industries domestically and



Gobal Network Sales & manufacturing locations

We have been providing our innovative optical products not only to Japan, but also globally with established production facilities and sales offices all over the world.

Europe

Development and PCB mounting are performed by owned factories Molding and assembling are performed by associated companies

[Estonia, Italy, Germany, France, UK]

Molding, PCB mounting and assembling are performed by associated companies

【China · Hong Kong】

US and Latin America

are performed by associated companies

Development, molding and assembling are performed by owned factories PCB mounting is performed by associated companies

[Tokyo, Kagoshima, Yamanashi]

Since 1970, we started establishing owned sales offices, R&D facility and factories and now they are working with local customers closely to meet their needs.

We have capability to provide light guide, lens and unit products including LED globally by utilizing owned and associated companies.

It would be possible to develop products in Japan and provide those developed products globally at the same time to meet all customer needs.

Corporate outline

Company name: Oshino Lamps Ltd.

Location: 4F Oi-Choyo Bldg. 5-12-10, Higashioi, Shinagawa-ku, Tokyo 140-0011 Japan

TEL: 03-3471-8548 FAX: 03-3450-3939

Website: https://www.oshinolamps.co.jp





Please refer to below for inquiries regarding products and sales

sales@oshinolamps.co.jp

Office hours: from Monday through Friday AM9:00 ~ PM6:00