



Automotive
LED APPLICATIONS

OSHINO

Automotive

EQUIPMENT & CAPABILITIES



AUTOMOTIVE EQUIPMENT & CAPABILITIES

Oshino knows that in the automotive design industry, lighting is no trivial matter. Creativity and a collaborative spirit, expertise, a commitment to quality and the ability to stay on-schedule can be the difference between a supplier or a great partner. Let Oshino demonstrate what great can do for you.

Design Engineering

- On-staff electrical, mechanical and optical engineers collaborate with customers to manufacture custom flexible LED assemblies and light guides. Deliverables include prototypes, thermal and optical reports/analysis.

Prototyping / Manufacturing

- Custom molds and mold flow analysis
- Light simulation

Design Qualification / Testing

- Thermal analysis and management
- Luminance measurements

Certifications / Approvals

- TS16949
- ISO9001(2008)
- Delphi
- Honda, Jaguar, Toyota, Land Rover, Porsche

Lamps

- T20 rear tail lamps - clear or natural amber glass
- Neowedge lamps



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LED OVERVIEW



OLPL3528 AECQ101 QUALIFIED PLCC LED

Available in .06, .2, .5 and 1W, OLPL3528 is highly luminous with a wide viewing angle. This LED is slim, compact and ideal for interior or exterior illumination and signal lighting.

OLPL3528 PLCC CUSTOM FLEXIBLE LED ASSEMBLIES

Custom. Comprehensive. Qualified. Oshino's engineers create smart designs with AECQ101 qualified LEDs and our customer's design inspiration.

OLXLT3535 FEDERAL SINGLE CHIP LED

Single chip white light never shown so brightly! Compact and reflow solderable for optimal thermal management, use this LED for reading, dome or dazzling decorative interior illumination. Gold solder frame, 8KV ESD protection and sub straight options make this LED ideal for exterior signal and general purpose lighting.

OLCR2016 COMPACT CERAMIC LED

The 3W compact ceramic OLCR2016 LED has a patented phosphor film and emits high bright light with a focused beam pattern and superior color uniformity. Red, blue, green, PC amber and white shades are available.

OLCSP1616 CHIP SCALE PACKAGE MINI LED

Our smallest, slimmest package, choose this 1 or 3W LED when the need is for interior or signal lamps within tight spaces. At 150°, its wide beam angle broadcasts in the full spectrum of white light.

OLXLT5050 FEDERAL 4W HIGH POWER LED

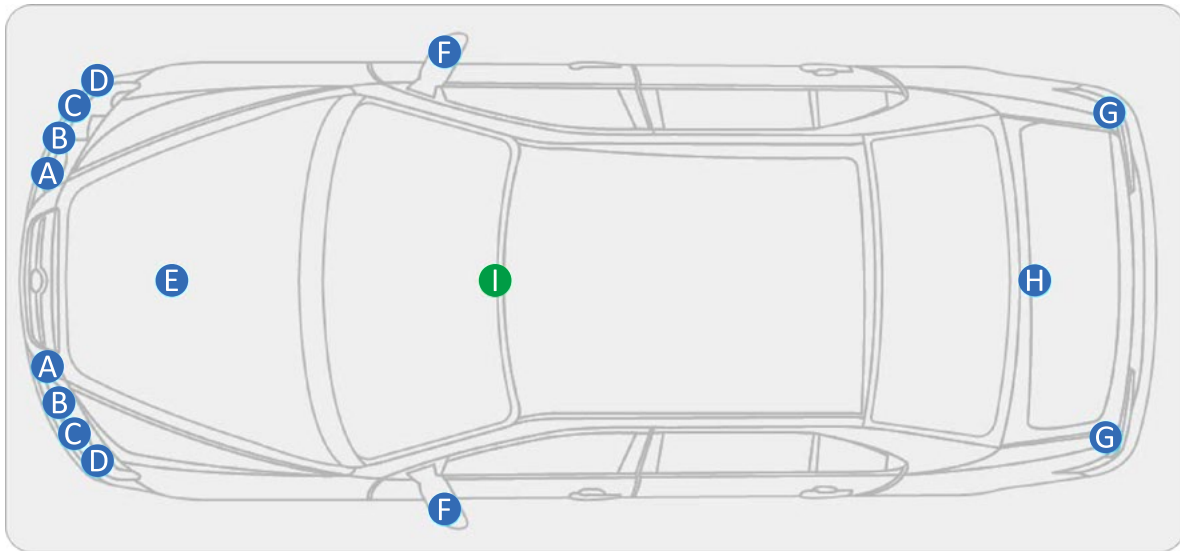
A super bright, single emitter LED with 8KV ESD protection, wide viewing angle and compact packaging to break through the darkness and fog with reliable, vivid white light.

OLPL3030 PLCC 1.5W LED

For interior and exterior illumination, this 2KV ESD LED is available in white, red, "police car blue" and PC amber.

OSHINO AUTOMOTIVE LED SERIES

APPLICATION	SERIES					
	OLPL3528	OLXLT3535	OLXLT5050	OLCR2016	OLCSP1616	OLPL3030
HEAD		X	X	X		
POSITION	X		X	X		X
FOG		X	X	X		X
WORK		X	X	X	X	X
INTERIOR	X	X		X	X	X
REAR	X	X	X	X		X
DRL		X	X	X	X	X
SIDE	X	X	X	X	X	X
CHMSL	X	X		X		X



A Head Lamp



D Daytime Running Light



G Stop / Tail / Turn Light



B Position Lamp



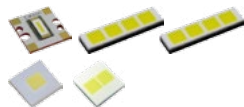
E Work Lamp



H Center High Mounted Stop Light



C Fog Lamp



F Side Signal Lamp



I Interior Lamp



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