



At Diode Dynamics, we've designed a new lineup of LED bulbs using advanced optical simulation software and the latest **high-intensity chips**.

These bulbs, when installed in certain factory lamps, meet or exceed photometric standard requirements. This includes total light output, the color of light, and the beam pattern. The result is a **"Street Legal" LED** light source, that provides safe output with no glare, and more functional light to the road.



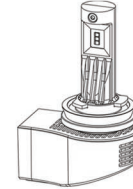
2015 Ford F-150

	Cool white color temp	Compliant beam pattern	No glare to other drivers	Light focused down road	More output than factory
HALOGEN	✗	✓	✓	✓	✗
GENERIC LED	✓	✗	✗	✗	✗
SL LED BULBS	✓	✓	✓	✓	✓

XM0057B

The Diode Difference

At Diode Dynamics, we conduct all necessary engineering and testing for our products internally in St. Charles, Missouri.



Unlike other suppliers, we test the beam pattern of our bulbs directly in factory lamps. We conduct this testing in-house with our goniometer, which is a machine that slowly rotates a factory lamp, shining it down a dark-room tunnel. By measuring each point, we can map out the effective beam pattern, to confirm glare-free performance and increased output.



ASSEMBLED IN USA

All SL LED bulbs are proudly assembled in-house by our manufacturing division. This allows us to maintain complete quality control with the final application in mind and deliver products to the market much quicker than others in the industry.

DIODE DYNAMICS
PERFORMANCE LIGHTING TECHNOLOGY

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ASSEMBLED IN USA



SLF LED BULBS



Introducing the SLF LED fog light bulb! Designed using advanced optical simulation and modeling tools, the SLF delivers more light to the road, for truly superior performance.

White	
Measured Output	780 lm
Color Temp	6000K

AVAILABLE IN

Sizes: H8, H10, H11, 5202/PSX24W, 9005, 9006

PERFECT BEAM PATTERN

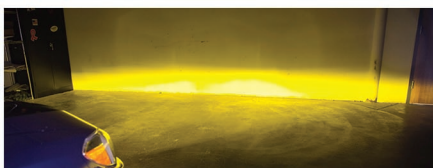
STOCK



SLF WHITE



SLF YELLOW



2017 Subaru WRX

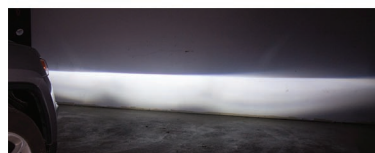
SL1 LED BULBS

We are pleased to introduce the SL1: the first LED bulb made in USA, compact enough to fit without modification, and designed to provide street legal output.

STOCK



SL1



2014 Jeep Grand Cherokee

EFFICIENCY

Exclusive dual-sided copper core PCB for maximum heat transfer and extended LED lifespan

RELIABILITY

Tested to SAE standards for extreme durability, including vibration and thermal testing from -40-185°F

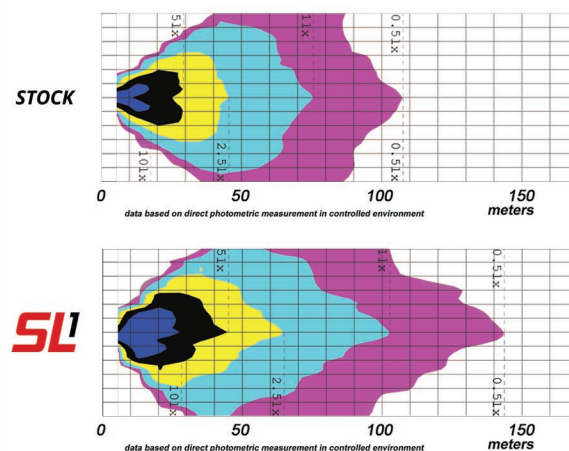
COOLING

Integrated Sunon MagLev fan with patented heatsink design, for optimal thermal performance



DESIGNED FOR PERFORMANCE

2016 Toyota Tacoma Foglamp



AVAILABLE IN

Sizes: H8, H9, H10, H11, 9005, 9006, 9012

White	
Measured Output	1630 lm
Color Temp	6000K

OPTICS

Six high-intensity Luxeon Z ES chips replicate halogen filament, for excellent focus and minimal glare

DESIGN

OEM-grade features for high performance, including boost driver circuit, PCB edge connectors, and phase-change thermal interface

FITMENT

Locking tabs for proper fitment and alignment

INSTALLATION

Small size allows for easy installation, no modification necessary

US PATENT D824052

