

DIODE DYNAMICS

PERFORMANCE LIGHTING TECHNOLOGY

2020



DIODE DYNAMICS



2018 Jeep JL Wrangler featuring LED Sidemarkers, Cowl Mount Bracket Kit, 7" Stage Series Driving Lights, and 30" Stage Series Light Bar Bumper Kit

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Diode Dynamics is a leading designer and manufacturer of lighting accessories for all automotive makes and models. Located in St. Louis, Missouri, we provide only the best and brightest components at a competitive cost.

What sets us apart

We Make It

Unlike many competitors, we manufacture many of our products right here in America. From engineering to assembly, we provide only the highest quality products that will always exceed expectations.

Hassle-Free Warranty

3-year replacement warranty on all of our products, with easy and fast service. Replacements are shipped out with a return label, so you aren't left waiting.

Satisfaction Guarantee

We stand by the quality of every item we sell and want you to be 100% satisfied with your purchase. If for any reason you aren't satisfied, contact us and we will refund or exchange the items with no hassle.

Expert Customer Service

Knowledgeable, well-trained support staff is available to quickly assist with any questions about products or installation.

OUR PROCESS



DEVELOPMENT

At Diode Dynamics, we conduct all necessary engineering and testing for our products in-house. This allows us to create products at a rapid pace, with unmatched precision and quality.

Our mechanical engineers design optics, heatsinks, housings, and harnesses utilizing state-of-the-art tools, including a ROMER coordinate measuring machine and production 3D printer, along with industry-leading mechanical and optical design software including DesignX, Optis, and Solidworks. Our electrical engineers design circuitry, program microcontrollers, and lay out printed circuit boards, then build prototypes in our well-equipped electrical laboratory.

All of our products are fully tested and measured using an integrating sphere and spectroradiometer, which provides the exact color and true total lumen output. Next, measurements are taken with a goniophotometer to ensure correct beam pattern, and compliance for on-road use. All products then undergo electrical interference, vibration, corrosion, moisture, and temperature testing to test the effects of environmental changes on the electrical components. Finally, we maintain a test garage to install our products directly on vehicles, to ensure final fitment, compatibility, and long-term reliability of our products.





MANUFACTURING

Once the product is thoroughly tested, it is produced by our manufacturing division, Diode Dynamics Manufacturing. By making an increasing number of our products in-house, we are able to achieve significant cost benefits, even compared to overseas suppliers. We also have the advantage of fully controlling the quality of the products we manufacture, which is often a significant challenge in the aftermarket automotive electronics industry.

Diode Dynamics Manufacturing utilizes automated SMT assembly lines, conformal coating equipment, wire harness assembly machines, laser cutters, vertical milling machines, ultrasonic welders, hot plate welders, and other equipment needed to produce LED lighting.

DISTRIBUTION

Diode Dynamics was born in the internet age, so online distribution has become second nature to us. We offer same-day low-cost shipping on all orders, dropshipping for our Authorized Dealers, and maintain an advanced inventory system to ensure products are in stock when they are needed.

SUPPORT

Good customer service needs to be fast, friendly, and effective. When you ask us a question, you won't get a canned answer. You'll get a real person who knows what they are talking about. Just pick up the phone or email us, and you'll get a reply within 24 hours during the week (although usually it's much sooner than that).

STAGE SERIES LED LIGHT BARS

STAGE SERIES

RALLY-QUALIFIED LED LIGHTING

Subaru WRX STI
LED Motorsports Bracket Kit



STAGE SERIES LED LIGHT BARS

Inspired by the needs of a professional rally driver, our Stage Series LED light bars have been designed for maximum functionality with advanced TIR optics engineered to produce a useful beam pattern, all in a highly durable compact package. They use a narrow-profile extruded housing, to allow fitment in small and tight areas. At less than 42mm tall, they'll fit in many places a traditional dual-row light bar won't. But the compact size doesn't mean they're short on power! Thanks to the high-intensity Lumileds LED chips, coupled with our total internal reflection (TIR) optic, the total output of the Stage Series is far greater than a standard, generic light bar using basic optics or reflectors.

SIZE	COLOR	DRIVING	WIDE	FLOOD	COMBO
6"	WHITE AMBER	DD5014S DD5036S	DD5022S DD5044S	DD6032S DD6040S	- -
12"	WHITE AMBER	DD5015S DD5037S	DD5023S DD5045S	DD6033S DD6014S	- -
18"	WHITE AMBER	DD5016 DD5038	- -	DD6034 DD6042	DD5030 DD5052
30"	WHITE AMBER	DD5018 DD5040	- -	DD6036 DD6044	DD5032 DD5054
42"	WHITE AMBER	DD5020 DD5042	- -	DD6038 DD6046	DD5034 DD5056
50"	WHITE AMBER	DD5021 DD5043	- -	DD6039 DD6047	DD5035 DD5057



White Driving Lens



White Flood Lens



White Wide Lens



Amber Driving Lens

STAGE SERIES LED LIGHT BARS

TAKE A LOOK INSIDE

RELIABILITY

Extruded heatsink provides thermal dissipation in a small, durable form factor.

LIFESPAN

Metal-core PCBs with direct-solder thermal slugs, to pull heat away from LEDs, allowing them to stay cool in the most demanding conditions.

WEATHER-PROOF

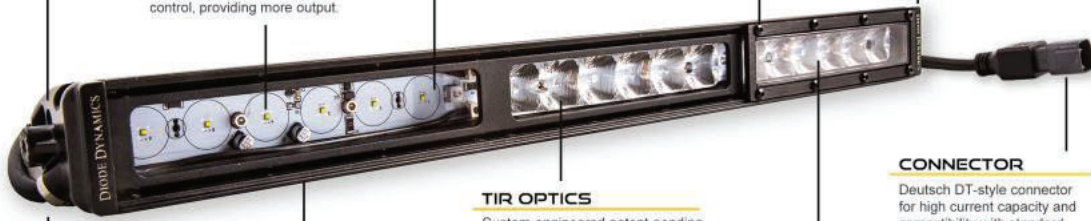
Custom-molded gaskets create reliable weatherproof seal around each lens.

LEDS

High-intensity Lumileds Z ES 5700K LED emitters allow excellent optical control, providing more output.

FITMENT

42mm tall, narrow profile to allow hideaway fitment.



VENTING

Pressure equalizing breather vent to eliminate condensation, by allowing pressure to escape during thermal cycles.

DURABILITY

Aluminum extrusion allows for low cost, high performance cooling that can withstand the elements.

TIR OPTICS

Custom-engineered patent-pending total internal reflection (TIR) optics create highly-functional beam pattern with extremely high efficiency.

CONNECTOR

Deutsch DT-style connector for high current capacity and compatibility with standard wiring harnesses.

BEAM PATTERN

Rectangular "driving" pattern by default, far more useful on-road than standard spot or flood. Also available with "wide" fluted lens.



NOT JUST OFF ROAD. In six-inch size, when installed as a pair and aimed in accordance with your state's regulations, the Driving pattern meets SAE J581 as a Driving/Auxiliary High Beam Light, and the Wide pattern meets SAE J583 as a Foglamp, for legal on-road use.

Please check your local laws and regulations for aiming, installation, and applicability.

STAGE SERIES OUTPUT PATTERNS

SAE High Beam*/Driving Output



SAE Fog*/Wide Output



Flood Output



Combo Output



REAL WORLD OUTPUT



30" Driving Output



30" Flood Output



30" Combo Output

**Applies to SS6 lightbar, SS12 lightbar, SS3 pod, and SS7 round models*

STAGE SERIES 7" DRIVING LIGHT

2018 Jeep JL Wrangler
7" Driving Lights

NEW
FOR
2020

STAGE SERIES

RALLY-QUALIFIED LED LIGHTING

STAGE SERIES 7" DRIVING LIGHT

- Advanced TIR (total internal reflection) optics
- High-intensity Lumileds ZES LEDs
- Durable powdercoated aluminum construction
- Standard Deutsch-style connector

DD6116



J581



White Driving



White Flood



Amber Driving



Amber Flood

STAGE SERIES 3" LED POD



STAGE SERIES 3" LED POD

- Advanced TIR (total internal reflection) optics
- High-intensity LED chips
- Durable powdercoated aluminum construction
- Integrated Duetsch-style connector
- Pin fin heatsink design



J581 J583

DD6120

DD6128



FLUSH MOUNT BRACKET KIT

- Allows for flush installation with truck bumpers, truck beds, and anywhere else you can think of
- Stainless steel hardware

DD6200



TOYOTA FOGLIGHT BRACKET KIT

- Compatible with Toyota Tundra, Tacoma, Runner, Corolla, and more
- Utilizes existing mounting points
- CAD-designed for perfect fitment

DD6184



TYPE A FOGLIGHT BRACKET KIT

- Compatible with many Acura, Ford, Honda, and Nissan models
- Utilizes existing mounting points
- CAD-designed for perfect fitment

DD6176



JEEP WRANGLER JL/JK FOGLIGHT BRACKET KIT

- Compatible with Jeep JK Wrangler and Jeep JL Sahara trim
- Utilizes existing mounting points
- CAD-designed for perfect fitment

DD6192



ADVANCED OPTICS FOR ON-ROAD USE!

NEW FOR 2020

2015 Jeep Wrangler JK 3" LED Pods

LED LIGHT BAR KITS



2018 Jeep JL Wrangler
Cowl Mount Brackets, 7" Driving Lights,
30" Light Bar Bumper Kit

STAGE SERIES

RALLY-QUALIFIED LED LIGHTING



2018+ JEEP JL WRANGLER/GLADIATOR COWL MOUNT BRACKET KIT

- Holds up to three work lights, or Stage Series light bars
- Allows windshield to fold down while installed
- Highly durable powdercoated steel construction
- Utilizes existing mounting points and hardware
- Includes OEM-style extended hardware

DD6092

DD6089



2018+ JEEP JL WRANGLER/GLADIATOR LED 30" LIGHT BAR BUMPER KIT

- Holds one or two 30" Stage Series Light Bars
- Highly durable powdercoated steel construction
- Utilizes existing mounting points and hardware
- CAD-designed for perfect fitment
- Includes extender bracket for second light bar or clearance for winch

DD6077

DD6083

DD6027



LED LIGHT BAR KITS



2018+ JEEP JL WRANGLER/GLADIATOR HOOD LED LIGHT BAR KIT

- Holds one 50" Stage Series Light Bar across the hood
- Highly durable powdercoated steel construction
- Utilizes existing mounting points and hardware
- Includes OEM-style automotive grade hardware
- CAD-designed for perfect fitment

DD6104

DD6090

COMPUTER DESIGNED
OEM FITMENT

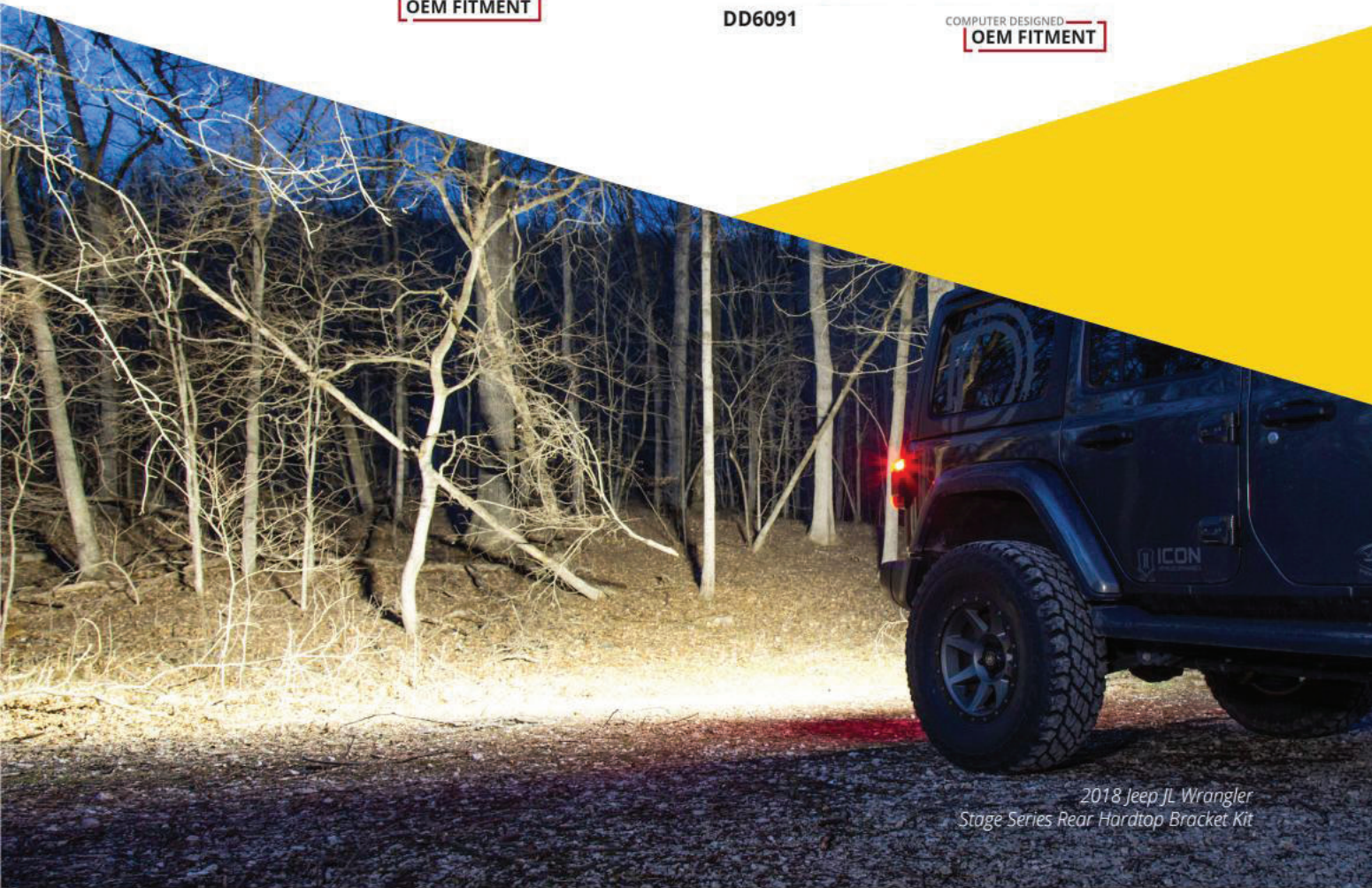


2018+ JEEP JL WRANGLER REAR HARDTOP BRACKET KIT

- Holds one 30" light bar across the rear window hinge
- Designed to allow the rear window to remain fully functional
- Designed to eliminate any excess wind noise
- Utilizes existing mounting points for easy installation
- CAD-designed for perfect fitment

DD6091

COMPUTER DESIGNED
OEM FITMENT



2018 Jeep JL Wrangler
Stage Series Rear Hardtop Bracket Kit

LED LIGHT BAR KITS

2017 Ford Raptor
LED Fog Light Bar Kit

2017+ FORD RAPTOR SAE/DOT LIGHT BAR KIT

- Direct fitment on 2017+ Ford Raptor
- Holds up to three work lights, or Stage Series light bars
- Highly durable powdercoated steel construction
- Utilizes existing mounting points and hardware
- CAD-designed for perfect fitment
- * Street Legal output as Driving Lights

DD6004

DD6003



2013+ DODGE RAM SPORT SAE/DOT LIGHT BAR KIT

- Direct fitment on 2013+ Dodge Ram with Sport Express Bumper
- Kit includes light bars, brackets, and wiring harness
- Highly durable powdercoated steel construction
- Utilizes existing mounting points and hardware
- CAD-designed for perfect fitment
- * Street Legal output as Driving Lights

DD6016



2013+ DODGE RAM STANDARD SAE/DOT LIGHT BAR KIT

- Direct fitment on 2013+ Dodge Ram with Standard Bumper
- Kit includes light bars, brackets, and wiring harness
- Highly durable powdercoated steel construction
- Utilizes existing mounting points and hardware
- CAD-designed for perfect fitment
- * Street Legal output as Driving Lights

DD6012



LED LIGHT BAR KITS

2015-2017 SUBARU WRX/STI SAE/DOT LIGHT BAR KIT

- Direct fitment on 2015-2017 Subaru WRX/STi
- Kit includes light bars, brackets, and wiring harness
- Highly durable powdercoated steel construction
- Utilizes existing mounting points and hardware
- CAD-designed for perfect fitment
- * Street Legal output as Driving Lights

8
YEAR
WARRANTY



DD6008



Subaru WRX STI
LED Motorsports Bracket Kit
Owner: @dirtfishrally

STAGE SERIES LED MOTORSPORTS BRACKET KIT

- Rally-designed light bar mounting solution
- Mount up to four 12" or 18" Stage Series light bars
- Fully customizable, adjust light bar angle and position
- Aligns to hood contour
- Highly durable 12 gauge powdercoated steel construction
- Quick release mounts for night stages with DZUS sliding lock fasteners

DD6114

DD6115



LED LIGHT BAR KITS



2016 Toyota Tundra
42" Stealth Light Bar Kit
12" Driving Light Kit



2014+ TOYOTA TUNDRA SAE/DOT LIGHT BAR KIT

- Direct fitment on 2014+ Toyota Tundra
- Holds two 12" Stage Series light bars
- Highly durable powdercoated steel construction
- Utilizes existing mounting points and hardware
- CAD-designed for perfect fitment
- * Street Legal output as Driving Lights

DD6012



2014+ TOYOTA TUNDRA STEALTH 30" OR 42" LIGHT BAR KIT

- Direct fitment on 2014+ Toyota Tundra
- Available in 30" or 42" Stage Series light bars
- Highly durable powdercoated steel construction
- Utilizes existing mounting points and hardware
- CAD-designed for perfect fitment

DD6049

DD6048

LED LIGHT BAR KITS

2016+ TOYOTA TACOMA 30" LIGHT BAR KIT

- Direct fitment on 2016+ Toyota Tacoma
- Holds one 30" Stage Series light bar
- Highly durable powdercoated steel construction
- Utilizes existing mounting points and hardware
- CAD-designed for perfect fitment

DD6051

COMPUTER DESIGNED
OEM FITMENT

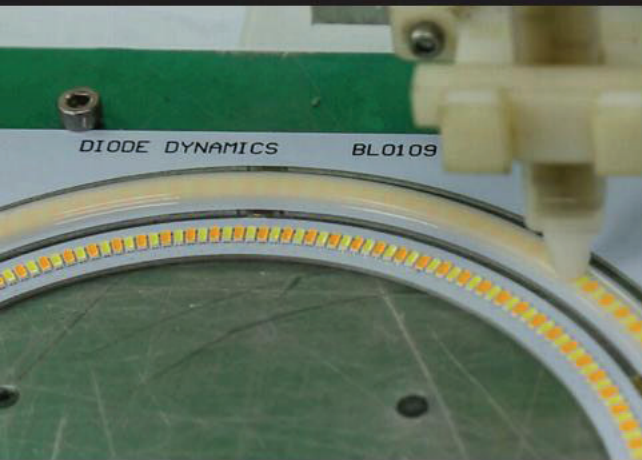


**100% SATISFACTION
GUARANTEE**



*2018 Toyota Tacoma
30" Stage Series Light Bar Kit*

HD LED HALOS AND STRIPS



HDHALO™ TECHNOLOGY

With Diode Dynamics' exclusive HDHalo technology, our halos and strips have been designed from the ground-up to be absolutely the brightest, most reliable lights physically possible. Each board is populated with a large number of high-density (HD) LEDs, which are then coated by a diffusing gel, resulting in a perfectly uniform light when turned on. When off, the diffusing gel hides the chips, resulting in a clean, OEM appearance.

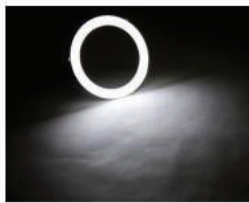
UNIVERSAL HD LED HALOS

With a variety of sizes and colors—switchback, red, amber, blue, and cool white, you can create a custom look that matches your unique style! Great for headlight and tail light applications, our halos can be used in any application with 12V power.

- Proprietary durable phosphor coating, to create uniform, solid appearance
- Multi-function PWM drivers, featuring low power, high power, and turn signal modes
- Integrated mounting tabs for easy installation



SIZE (MM)	SKU (SWITCHBACK)
50	DD2058
60	DD2059
70	DD2060
80	DD2061
90	DD2062
100	DD2063
110	DD2064
120	DD2065
130	DD2066
140	DD2067
150	DD2068
160	DD2069
185	DD2241



HD LED STRIPS

- Proprietary durable phosphor coating, to create uniform, solid appearance
- Multi-function PWM drivers, featuring low power, high power, and turn signal modes
- Semi-flexible structure for easy mounting



LENGTH (IN)	SKU (SWITCHBACK)
3	DD2116
6	DD2117
9	DD2118
12	DD2119



VEHICLE SPECIFIC HD HALO KITS

2018 Jeep JL Wrangler
185mm Switchback LED Halos



HD HALO™ KITS



Engineered and manufactured from the ground-up in St. Louis, Missouri, our vehicle specific halo kits have been CAD-designed for each application to ensure an OEM fit and finish. Each custom-sized kit has multiple functions: extremely bright white for the DRLs, lower-power white for night time use, and a brilliant amber for the turn signals. These are sure to add a distinct, unique look both day and night!

MAKE/MODEL

CHEVY CAMARO PREMIUM 2016-2018
DODGE RAM HALOS 2013-2018
DODGE RAM QUAD HALOS 2009-2018
F-150 RAPTOR 2013-2014
GMC SIERRA 2016-2018*
JEEP GRAND CHEROKEE 2014-2019
JEEP JL WRANGLER 2018-2019 **NEW!**
SUBARU CROSSTREK 2013-2018
SUBARU IMPREZA 2012-2016
SUBARU LEGACY 2015-2019
SUBARU OUTBACK 2015-2019
SUBARU WRX/STI 2015-2017
SUBARU WRX 2018+
TOYOTA TUNDRA 2014-2019

SKU

DD2218
DD2021
DD2178
DD2172
DD2177
DD2216
DD2241
DD2221
DD2221
DD2220
DD2220
DD2016
DD2016
DD2225



2016 Chevy Camaro Premium LED Halos

LED BOARDS

MULTICOLOR LED BOARDS

Looking to make a statement? Our Multicolor LED Boards are a direct replacement for factory-installed LEDs. Just remove the factory LED circuit board, and ours fit directly in place, with computer-designed fit and finish.

The replacement boards utilize RGBW LED chips, and are configured to meet or exceed factory white brightness, while also adding full multicolor function. Each one illuminates with red, blue, green, and 6500K white. To change the color, use a RGBW controller (not included). Each order includes a full set of replacement boards for each side of the vehicle, as well as drivers to reliably power them. Professional installation is recommended, as the factory headlights must be opened in order to replace the LED panels.

2018 Ford Mustang GT
RGBWA LED Boards



MAKE/MODEL

CHEVROLET CAMARO SS HEADLIGHT 2016-2018*
CHEVROLET CAMARO SS LOWER DRL 2016-2018*
CHEVROLET CAMARO ZL1 HEADLIGHT 2017-2019
CHEVROLET CAMARO RS 2010-2013
CHEVROLET CAMARO ZL1 2012-2015
CHEVROLET C7 CORVETTE 2014-2018
DODGE CHALLENGER 2015-2019
DODGE CHARGER 2015-2018
DODGE CHARGER 2019+ **NEW!**
DODGE RAM 2013-2018*
DODGE RAM MIDLINE 2019+ **NEW!**
FORD EXPLORER 2016-2017
FORD F-150 2015-2017
FORD MUSTANG 2013-2014
FORD MUSTANG 2015-2017*
FORD MUSTANG 2018*
FORD RAPTOR 2017-2019
GMC SIERRA 2014-2015
HYUNDAI VELOSTER TURBO 2012- 2017
SUBARU BRZ 2013-2016
TOYOTA TACOMA 2016+ **NEW!**

*RGBWA™ AVAILABLE

SKU

DD2222
DD2242
DD2222
DD2215
DD2215
DD2162
DD2163
DD2164
DD2282
DD2014
DD2255
DD2167
DD2165
DD2166
DD2007
DD2243
DD2165
DD2168
DD2169
DD2017
DD2285



2019 Ram Midline RGBW™ Multicolor LED Boards
Installed by Retrosshop

LED BOARDS



Standard multicolor LED products feature only red, blue and green (RGB) chips, which are combined to create a poorly-integrated white color. By adding a white chip along with the red, blue, and green chips (RGBW), the white color is substantially brighter and more balanced, resulting in a much more pure white when compared to that of old technology.

We were the first manufacturer worldwide to bring RGBW technology to the automotive market, and we are proud to offer it in a full line of LED products, which are manufactured in St. Louis, Missouri. By choosing RGBW LED products, vehicle owners can achieve multicolor functionality and style, without sacrificing the original crisp, bright white output which is required for legal on-road use.

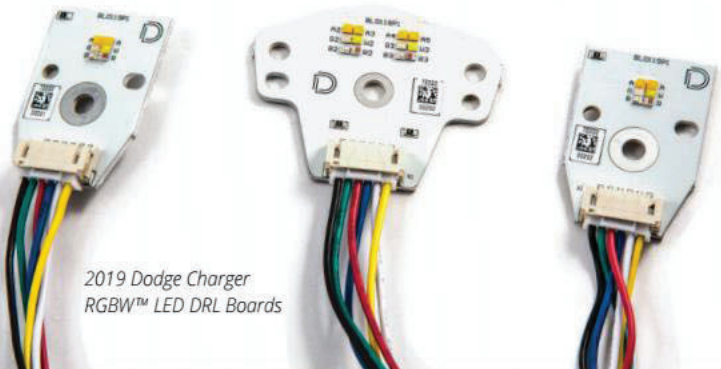
NEW! 2019 Dodge Charger featuring RGBW™ LED DRL Replacement Boards



THOUSANDS OF COLOR POSSIBILITIES

PRO **SERIES** LED BOARDS

Introducing Pro Series LED Boards! Using high-intensity emitters and metal substrate PCBs, Pro Series LED Boards feature brighter output and better thermal management. The Pro Series LED Boards also feature OEM-style connectors for easier mounting, and quality is assured through traceability.



*2019 Dodge Charger
RGBW™ LED DRL Boards*



BLUETOOTH RGBW CONTROLLER

- Control RGBW products right from your phone, with easy True White selection
- Simple to use, with saved color presets
- Multiple patterns, or customize your own
- Easily group multiple controllers for multi-zone control
- Fully waterproof, with standard connections
- Output up to 20 amps (5A per channel)

DD3003

LED BOARDS



2017 Chevrolet Silverado Z71
Switchback DRL LED Board

SWITCHBACK LED BOARDS

Our Switchback LED Boards are designed to replace factory-installed LEDs, which are usually only one color, such as a white DRL. By using double the number of high-power LED chips, our boards illuminate in both white and amber, in a "switchback" effect. When your DRLs or headlights are on, the LEDs light up in a bright white. Hit your turn signal, and they flash a brilliant amber, as an extra indicator. Each order includes a full set of replacement boards as well as switchback drivers, to control and power this custom function.

MAKE/MODEL

CHEVROLET CAMARO 2016-2018
CHEVROLET SILVERADO 2016+*
DODGE CHALLENGER 2015-2019
DODGE CHARGER 2015-2018
DODGE RAM 2013-2018
FORD F-150 2015-2017
FORD MUSTANG 2013-2014
FORD MUSTANG 2015-2017**
FORD MUSTANG 2018+*** **NEW!**
FORD RAPTOR 2017-2019
GMC SIERRA 2014-2015
NISSAN MAXIMA 2016-2018
SUBARU BRZ 2013-2016
TOYOTA TACOMA 2016-2019*
TOYOTA TUNDRA 2014-2019

*ALSO AVAILABLE IN AMBER ONLY
**ALSO AVAILABLE FOR EU/AU SPEC VEHICLES

SKU

DD2219
DD2239
DD2175
DD2176
DD2015
DD2005
DD2174
DD2115
DD2280
DD2005
DD2011
DD2013
DD2018
DD2224
DD2225



**3 YEAR
WARRANTY**



2016 Chevy Camaro Switchback DRL LED Boards

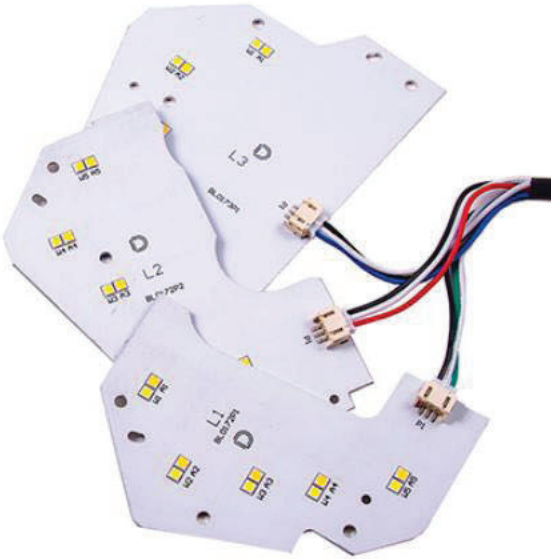
LED BOARDS



2018 Ford Mustang GT Switchback DRL LED Boards with sequential turn signal

SEQUENCING DRL LED BOARDS 2018+ FORD MUSTANG

From the factory, the 2018+ Ford Mustang has LED accent bars in the headlight that illuminate in a white color, for the parking light and DRL. Available for both USDM and EU/AU models, these LED Boards upgrade this look by making those accents also light up as a brilliant amber turn signal, with a “switchback” dual-color effect that is also a sequencing pattern!



DD2280



**3 YEAR
WARRANTY**



LED HEADLIGHT



2014 GMC Sierra
SL1 Low Beam LED Headlights

SL1 LED HEADLIGHT



The automotive market is flooded with LED headlight bulbs that are designed for looks, not performance. They're bright, but they fail to direct light to the road. We are pleased to introduce the SL1: the first LED headlight bulb made in USA, compact enough to fit without modification, and designed with advanced optical simulation and modeling tools to provide street legal output, in certain vehicles as tested. The SL1 delivers more light to the road, for truly superior performance.

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

DD0215



Made in USA

From the design to the fabrication to the assembly, the SL1 has been fully designed, engineered, and manufactured from the ground-up at our facility in St. Louis, Missouri.



Perfect Fit

The small size of the SL1 allows it to fit directly into headlight housings without any modification to the bulb or housing - simply replace the factory bulb!



Street-Legal Output

The SL1 utilizes six Luxeon ZES chips to mimic the filament and output of a factory halogen headlight bulb. In certain vehicles as tested, this produces a beam pattern that meets photometric compliance standards, shining more light down the road with no added glare.

40,000 HOURS



Long Lifespan

The SL1 features a dust and water-resistant side MagLev Sunon Fan, specially-designed heat sink fins, and copper PCB core to ensure maximum heat transfer and an extremely long lifespan.

LED HEADLIGHT

Designed for both reflector and projector housings!

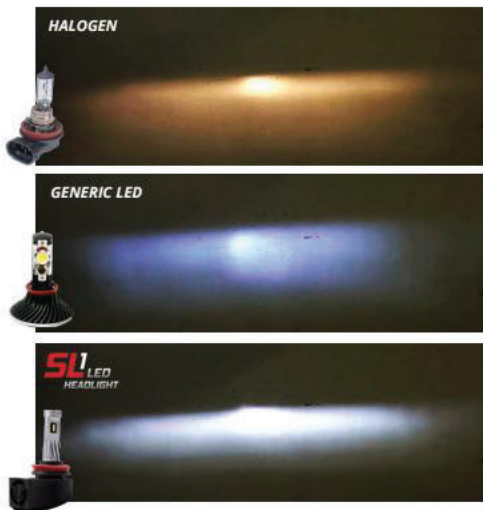


Projector Housing



Reflector Housing

2015 F-150 REFLECTOR HOUSING



DOT COMPLIANT PATTERN*	NO GLARE TO OTHER DRIVERS*	LIGHT FOCUSED DOWN THE ROAD*	MORE OUTPUT THAN FACTORY	COOL WHITE COLOR
✓	✓	✓	□	✗
✗	✗	✗	✗	✓
✓	✓	✓	✓	✓

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



US PATENT D824052



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

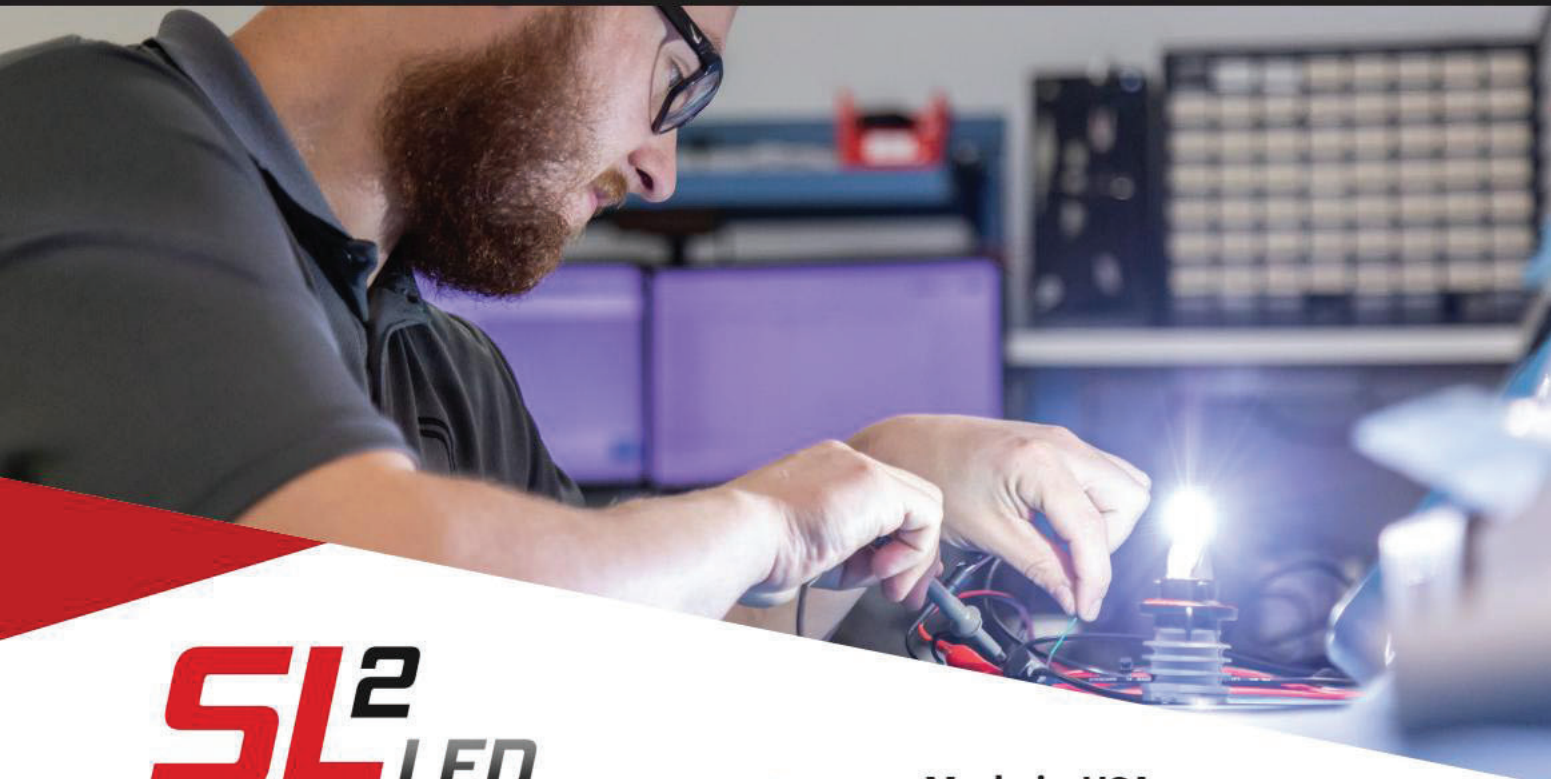
Locking tabs for proper fitment and alignment

INSTALLATION

Small size allows for easy installation, no modification necessary

*APPLIES TO CERTAIN VEHICLES, AS TESTED

LED HEADLIGHT



SL² LED HEADLIGHT



COMING IN 2020
FOR DUAL-FILAMENT SIZES

SIZES: H4, H13, 9007

DD0425



Made in USA

The SL2 LED headlamp bulb is designed, engineered, manufactured, and tested at our St. Louis, Missouri facility.



Perfect Fit

After testing over 100 factory headlamps during the development process, our engineers designed the SL2 for perfect fitment. Thanks to its proprietary twist-lock assembly, no modification or additional locking rings are needed for installation.



Street-Legal Output

The SL2 uses ZES high-intensity emitters, with different arrangements depending on the bulb size to match the halogen bulb emitting location. In certain vehicles as tested, this produces a beam pattern that meets photometric compliance standards, shining more light down the road with no added glare.

**40,000
HOURS**



Long Lifespan

The SL2 features an integrated driver, specially-designed heat sink fins, and copper PCB core to ensure maximum heat transfer and an extremely long lifespan.

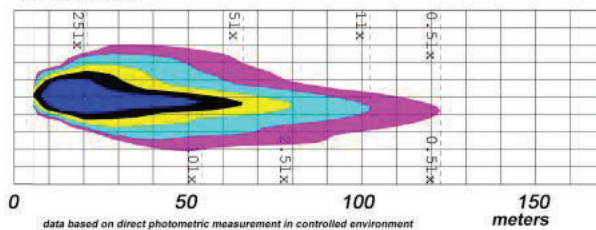
LED HEADLIGHT

DID YOU KNOW?

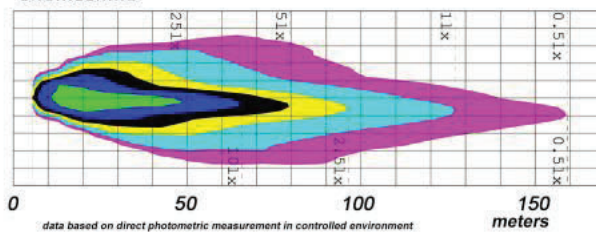
We test our headlight bulbs in factory headlamps, and measure the entire beam pattern using specialized equipment. It's an elaborate affair: a headlight is mounted to a computer-controlled rotating head called a goniometer. Light shines down a tunnel, where a sensor collects data as the headlight is rotated. The entire beam pattern is mapped, and we compare the total output to the original halogen and photometric standards. In certain lamps as tested, this allows us to confirm that the LED shines more light in the hotspot, without adding extra glare on the road.

The test results speak for themselves: in certain lamps as tested, like the 2015 F-150 Halogen lamp shown below, there is 30-70% more light in the critical hotspot, with no added glare or spread of light. With proper optical engineering, testing, and validation, we can assure correct optical performance in tested applications.

DIODE DYNAMICS ENGINEERING **2015 Ford F-150 Reflector: Stock**



DIODE DYNAMICS ENGINEERING **2015 Ford F-150 Reflector: SL1 LED**



UNIVERSAL DEMON EYE



PRO
SERIES

3 YEAR
WARRANTY

RGBW™ DEMON EYES

- RGB LEDs, for full multicolor and true white illumination
- Aluminum heatsink, for maximum heat dissipation
- Locking connectors, for easier installation
- Brackets included for Mini H1 projectors, or custom-mount



DD2022



THOUSANDS OF COLOR POSSIBILITIES



17 Subaru WRX featuring RGBW Demon Eyes and C-Light

MUSTANG DEMON EYE

2015 Ford Mustang featuring RGBW Demon Eye Kit

2015-2017 FORD MUSTANG RGBW™ DEMON EYE KIT

Designed specifically for the 2015-2017 Ford Mustang, our Mustang Demon Eye Kit converts the projector housing inside the headlight to illuminate in any color or a pure white for a unique, custom look! The kit includes an application specific brackets—no need to open the headlights! Also included in the kit is a Bluetooth RGBW Controller to change the color.

DD2223



FOG/DRL LEDs

2019 Ford Ranger XLT
featuring SLF fog lights



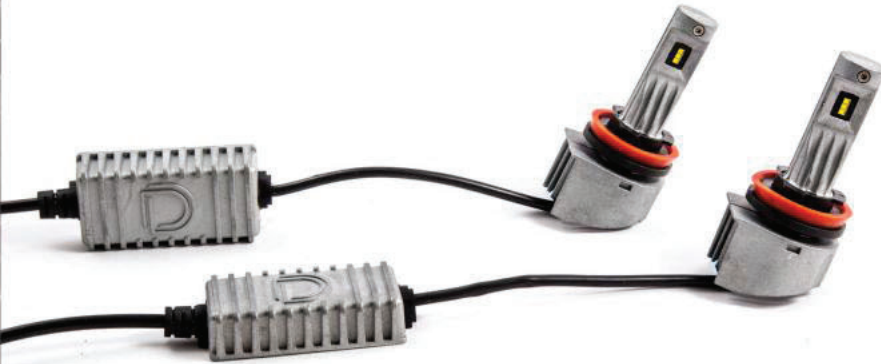
SL STREET LEGAL OUTPUT

Standard LED bulbs only provide a cool white appearance. It's a modern look, but they won't provide the same output and beam pattern on the road as a standard incandescent bulb. Light from the LED is not being focused, so only a small amount reaches the road as useful output.

At Diode Dynamics, we've designed a new lineup of LED bulbs using advanced optical simulation software and the latest high-intensity chips. Unlike other manufacturers, we test the LED bulbs inside factory lamps, to check the resulting performance and output. We conduct this testing in-house with our goniometer, which is a machine that slowly rotates a whole headlight or tail light, and measures the effective beam pattern.

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





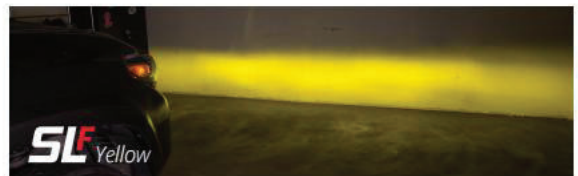
SLF LED FOG LIGHT

SLF LED FOG LIGHT

Designed using advanced optical simulation and modeling tools, the SLF delivers more light to the road, for truly superior performance. Designed for both reflector and projector housings.

- 780 lumens
- 40,000 hour lifespan
- Dual 3-chip automotive grade, high power LEDs
- Aluminum PCB for maximum heat transfer

Sizes: 9005, 9006, H8, H10/9145, H11, 5202/PSX24W



DD0282



HP48

- Omnidirectional output
- Cosmetic upgrade, modern color
- 48 high-power 3014 size LEDs
- 280 lumens

Sizes: 9005, 9006, H7, H8, H10/9145, H11, 5202/PSX24W, P13W

DD0128



XP80

- Twelve side-firing 5W-rated chips
- Four forward facing 5W-rated chips
- Aluminum casing for superior heatsinking
- 510 lumens

Sizes: 9005, 9006, H8, H10/9145, H11, 5202/PSX24W

DD0134



Learn what gives our SLF LED Fog Lights their pure yellow output!

MULTICOLOR FOG/DRLs



2011 Jeep Wrangler Multicolor Fog/DRL



MULTICOLOR FOG/DRLs

These multicolor LED bulbs are a direct replacement in any fog light or DRL application. By using an RGB controller, you can set them to any color imaginable, or use any lighting mode offered by the controller. The bulbs utilize bright 5050-size SMD chips, and feature plug-and-play installation.

Sizes: H7, H8, H10, H11, 9005, 9006, 5202/PSX24W

DD0160



24-KEY RF RGB CONTROLLER

- Color selection buttons
- Mode selection buttons
- Adjust speed and brightness
- Program custom colors with unique DIY settings

DD3001

3 YEAR
WARRANTY

LUXEON FOG LIGHTS



LUXEON LED FOG LIGHT ASSEMBLIES

- 100% plug-and-play installation for select applications
- Unique projector optic design for a wide, even output pattern
- Durable and UV-resistant polycarbonate lens
- OEM-grade construction, tested for moisture and vibration
- EP67 waterproof with GORE pressure equalization seal
- Genuine Philips LUXEON T LEDs
- Meets E-Mark/SAE/DOT vehicle safety and quality standards



16 Toyota Tacoma
Type B LUXEON Fog Light



STOCK



LUXEON

VEHICLE COMPATIBILITY

TYPE A (DD5005)

ACURA ILX, 2013-2017
ACURA RDX, 2010-2017
ACURA TL, 2012-2014
ACURA TSX, 2011-2013

DODGE RAM, 2019+

FORD C-MAX, 2013-2016
FORD EXPLORER, 2012-2015
FORD FIESTA ST, 2014-2017
FORD FOCUS, 2009-2015
FORD FOCUS ST, 2013-2014
FORD FREESTYLE, 2005-2007
FORD FUSION, 2013-2016
FORD MUSTANG, 2006-2009
(V6 AND GT500)
FORD MUSTANG, 2015-2017
FORD RANGER, 2005-2007
FORD TAURUS X, 2008-2009

FIAT 500, 2012-2016

HONDA ACCORD COUPE, 2013-2015
HONDA CIVIC, 2016+
HONDA CIVIC SI SEDAN, 2013-2015
HONDA CROSSTOUR, 2013-2015

HONDA CR-V, 2012-2014
HONDA CR-Z, 2013-2016
HONDA INSIGHT, 2009-2014
HONDA PILOT, 2012-2015

LAND ROVER LR2, 2008-2016
LAND ROVER LR4, 2010-2016

NISSAN FRONTIER, 2009-2014
NISSAN JUKE 2011-2014
NISSAN SENTRA, 2007-2012
NISSAN TITAN, 2016-2017
NISSAN XTERRA, 2005-2013

PORSCHE CAYENNE, 2011-2015
PORSCHE MACAN, 2015-2017

RANGE ROVER, 2010-2012
RANGE ROVER SPORT, 2010-2013

SCION FR-S, 2013-2016

SUBARU BRZ, 2012-2016
SUBARU CROSSTREK, 2012-2018
SUBARU FORESTER, 2014-2018
SUBARU IMPREZA, 2012-2018

SUBARU LEGACY, 2010-2012
SUBARU OUTBACK, 2010-2012
SUBARU WRX/STI, 2015-2018

TYPE B (DD5006)

LEXUS CT200H 2011-2017
LEXUS ES350 2013-2015
LEXUS GS350 2013-2015
LEXUS GS450H 2013-2015
LEXUS GX460 2010-2014
LEXUS HS250 2010-2012
LEXUS IS250 2011-2014
LEXUS IS350 2011-2014
LEXUS IS-F 2008-2013
LEXUS LX570 2008-2015
LEXUS RX350 2010-2015
LEXUS RX450H 2010-2015

SUBARU LEGACY 2015-2017

TOYOTA 4RUNNER 2010-2019
TOYOTA AVALON 2007-2015
TOYOTA CAMRY 2007-2014
TOYOTA COROLLA 2009-2016
TOYOTA HIGHLANDER 2008-2010

TOYOTA MATRIX 2009-2013
TOYOTA PRIUS 2010-2016
TOYOTA PRIUS C 2012-2016
TOYOTA RAV 4 2012-2016
TOYOTA RAV 4 2006-2012
TOYOTA SIENNA 2010-2016
TOYOTA SOLARA 2006-2008
TOYOTA TACOMA 2012-2017
TOYOTA TUNDRA 2014-2017
TOYOTA VENZA 2009-2014
TOYOTA YARIS 2007-2016

TYPE C (DD5007)

INFINITI G37 2010-2013
INFINITI JX 2013-2016
INFINITI M 2006-2010

NISSAN ALTIMA 2007-2017
NISSAN JUKE 2015-2017
NISSAN MAXIMA 2007-2015
NISSAN PATHFINDER
(NON-HYBRID) 2013-2017
NISSAN ROGUE 2008-2017
NISSAN SENTRA 2004-2017
NISSAN VERSA SEDAN 2012-2016

SIDEMARKERS



2018 Jeep JL Wrangler LED Sidemarkers in Clear

LED SIDEMARKERS

A complete replacement for the factory housing, our LED Sidemarkers add a modern LED appearance with OEM-grade retroreflectors, bright LEDs, and an incredibly simple 10-minute, plug-and-play installation. Available in both front and rear applications and a variety of lens color options: smoked, red, clear, and amber. Our LED Sidemarkers are an easy way to upgrade your vehicle's appearance!



Clear



Smoked



OEM Style

2018 Jeep JL Wrangler LED Sidemarkers

MAKE/MODEL

- CHEVROLET CAMARO 2016+
- DODGE CHARGER 2015-2019 **NEW!**
- FORD MUSTANG 2010-2014
- FORD MUSTANG 2015+
- CADILLAC ATS (NON V) 2015-2019
- CADILLAC CTS (NON V) 2014-2019
- JEEP JL WRANGLER 2018+

SKU

OEM	SMOKED	CLEAR
DD5062	DD5063	DD5061
DD5111	DD5112	DD5110
DD5059	DD5060	DD5058
DD5003	DD5004	DD5002
DD5065	DD5066	DD5064
DD5065	DD5066	DD5064
DD5069	DD5070	DD5068



SIDEMARKERS



Clear



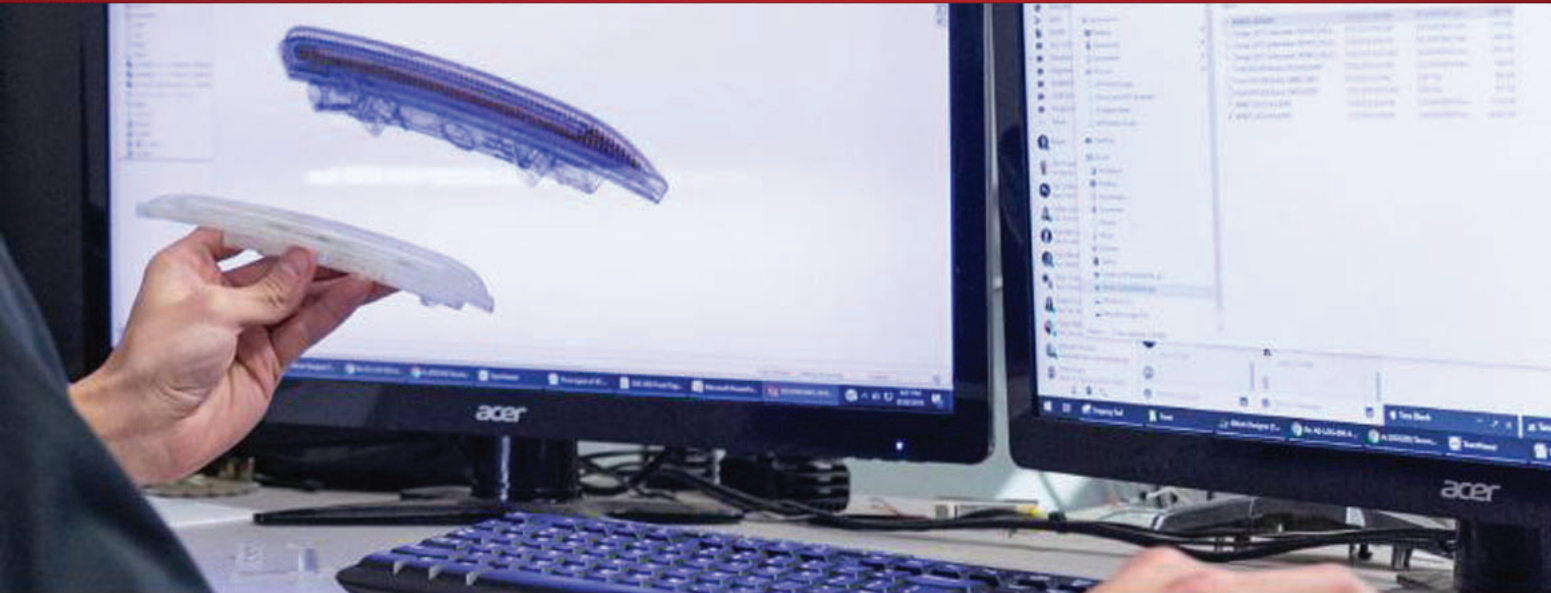
Smoked



OEM Style

DID YOU KNOW?

Our LED Sidemarkers were computer-designed for OEM fit and finish and utilize a unique optical reflector pattern to maintain OEM-style reflectivity. Each sidemarker illuminates with an entire strip of SMD LEDs to provide a much brighter appearance and help your vehicle stand out on the road!



BACKUP LIGHT LEDs



BRIGHT - HP36

- High-power with aluminum base
- Driven at constant current
- Non-polar design for easy installation
- Full 360-degree illumination
- Compact, high-density design
- 210 lumens

Size: 921

COLOR  COOL WHITE



DD0143P



BRIGHTEST - XP50

- Eight side-firing 5W-rated chips
- Two forward facing 5W-rated chips under a projector lens
- Brightest 921 bulb on the market!
- Aluminum casing for superior heatsinking
- 410 lumens

Size: 921

COLOR  COOL WHITE



DD0144P

THE DIFFERENCE IS NIGHT AND DAY



2018 GMC Yukon Stock Backup Light



XP50 LED Backup Lights

TAIL/TURN SIGNAL LEDs



2017 Chevy Cruze LT
XP80 Tail Light LED



BRIGHT - HP48

- 48 high-power 3014 size LEDs
- Driven at constant current
- Non-polar design for easy installation
- CK compatible
- Diffused PC lens for even diffusion
- 280 lumens

SIZE	COLOR	SKU
1156	AMBER	DD0004
	RED	DD0005
	WHITE	DD0006
1157	AMBER	DD0013
	RED	DD0014
3156/ 3157	AMBER	DD0055
	RED WHITE	DD0056 DD0057
7440/ 7443	AMBER	DD0111
	RED	DD0112
	WHITE	DD0113

COLORS



BRIGHTER - HP11

- Four side-firing 1.5W-rated Osram chips
- Non-polar design for easy installation
- One forward facing 5W-rated chip with projector lens
- CK compatible
- Aluminum casing for superior heatsinking
- 310 lumens

SIZE	COLOR	SKU
1156	AMBER	DD0001
	RED	DD0002
	WHITE	DD0003
1157	AMBER	DD0010
	RED	DD0011
3156/ 3157	AMBER	DD0050
	RED WHITE	DD0051 DD0052
7440/ 7443	AMBER	DD0107
	RED	DD0108
	WHITE	DD0109

COLORS



BRIGHTEST - XP80

- Twelve side-firing 5W-rated chips
- Four forward facing 5W-rated chips under a projector lens
- Brightest self-contained bulb on the market
- Aluminum casing for superior heatsinking
- 510 lumens

SIZE	COLOR	SKU
1156	AMBER	DD0007
	RED	DD0008
	WHITE	DD0009
1157	AMBER	DD0015
	RED	DD0016
3156/ 3157	AMBER	DD0058
	RED WHITE	DD0059 DD0060
7440/ 7443	AMBER	DD0114
	RED	DD0115
	WHITE	DD0116

COLORS



SWITCHBACK TURN SIGNALS



2018 Chevrolet Colorado Z71
Switchback Turn Signals

SWITCHBACK TURN SIGNAL

- Adds cool white running light with amber turn signal
- Full aluminum body for durability and heatsinking
- No yellow appearance when switched off
- Advanced digital latching circuit for color control
- Non-polar and CK compatible
- Extremely bright: 410 lumens

SIZE	SKU
1157	DD0012
3157	DD0053
7443/ 7444	DD0110

Embedded digital timing circuit for switchback function, with bright white and amber output.

Custom-designed base connector with tab-style terminals for reliable connection in socket.



Aluminum casing with textured finish for maximum heatsinking properties.

High-power 2835 LEDs on sides and top, including converted amber emitters for high intensity.

Inductive constant-current drive circuit provides superior reliability.



When you replace incandescent turn signal bulbs with LEDs in most vehicles, the vehicle will start hyperblinking because the LED uses much less power, and the vehicle thinks the bulb is out. You can easily fix the problem of hyperblinking with resistors or replacement flasher modules, listed on page 52.

SWITCHBACK TURN SIGNALS



Stock



Cool White Running Light

2018+ JEEP JL WRANGLER/GLADIATOR SPORT SWITCHBACK TURN SIGNAL LEDS

This kit easily converts the front end of the 2018+ Jeep JL Wrangler Sport and Gladiator Sport to an all-LED, cool white modern appearance. The included front turn signal bulbs illuminate in a cool white color with the parking lights or headlights. Also included in the kit are resistors to prevent hyperblinking.

DD0341



Amber Turn Signal



Cool White Running Light

2015-2017 FORD MUSTANG SWITCHBACK TURN SIGNAL LED KIT

This kit easily converts the front end of the 2015+ Ford Mustang to an all-LED, cool white modern appearance. The included front turn signal bulbs illuminate in a cool white color with the parking lights or headlights. Then when the turn signals are activated, they flash a bright amber. Also included in the kit is a pair of 194-size bulbs to replace the factory sidemarker bulbs.

DD0227



2018+ Jeep JL Wrangler Sport Switchback Turn Signal Kit

TAIL AS TURN™



TAIL AS TURN™ MODULE PLUG-AND-PLAY

Many vehicles today come with LED tail lamps, but standard incandescent turn signals. Our Tail as Turn™ module combines the signals, so that you can use your LED for both turn and brake, for a much more modern appearance. Often, this allows for an extra backup light to be installed in the old turn signal spot as well! For select applications, we have designed a fully plug-and-play version.

MAKE/MODEL

HYUNDAI GENESIS COUPE 2013-2016
 INFINITI G35/G37 COUPE 2008-2016
 INFINITI G35/G37 SEDAN 2003-2014
 INFINITI Q50 2014-2017
 NISSAN GT-R 2008-2019
 SCION FRS 2013-2016
 SUBARU BRZ 2013-2016
 SUBARU FORESTER PREMIUM 2017-2018
 SUBARU FORESTER STANDARD 2014-2016
 SUBARU IMPREZA SEDAN 2012-2016
 SUBARU LEGACY 2015-2019
 SUBARU OUTBACK 2015+
 SUBARU WRX/STI 2015-2019
 SUBARU WRX/STI HATCH 2008-2014
 TOYOTA 4RUNNER 2014-2019

SKU

DD3015
 DD3011
 DD3027
 DD3036
 DD3013
 DD3014
 DD3014
 DD3045
 DD3049
 DD3042
 DD3026
 DD3046
 DD3012
 DD3010
 DD3009

2014 Subaru Forester Tail as Turn™



Factory Turn Signal



Tail Light as Turn Signal



Factory Backup Light



Additional Backup Lights
with LED Upgrades



TAIL AS TURN™ MODULE DO-IT-YOURSELF

Use the DIY version of the Tail as Turn™ module to convert any vehicle's LED tail lamps to also function as the turn signal! Connectors included for easy installation.

Compatible vehicles are listed below.



DD3088

MAKE/MODEL	YEAR	MAKE/MODEL	YEAR	MAKE/MODEL	YEAR	MAKE/MODEL	YEAR
ACURA ILX	16-19	HONDA S2000	04-09	LEXUS CT	11-17	NISSAN 370Z	09-18
ACURA MDX	07-19	HYUNDAI AZERA	06-17	LEXUS ES	13-18	NISSAN ARMADA	17-18
ACURA NSX	17	HYUNDAI ELANTRA	14-17	LEXUS GS	06-15	NISSAN LEAF	11-17
ACURA RDX	16-18	HYUNDAI GENESIS SEDAN	09-16	LEXUS GX	10-19	NISSAN MAXIMA	09-18
ACURA RL	05-12	HYUNDAI SANTA FE	13-16	LEXUS HS	10-12	NISSAN MURANO	06-18
ACURA RLX	14-19	HYUNDAI SONATA	14-19	LEXUS IS CONVERTIBLE	10-15	NISSAN SENTRA	13-18
ACURA TL	04-14	HYUNDAI SONATA HYBRID	13-14	LEXUS IS F	08-16	RAM 1500 (3157/LED FOR TAIL AND TURN)	13-15
ACURA TLX	15-17	HYUNDAI TUCSON	14-18	LEXUS IS SEDAN	06-16	RAM 2500 (3157/LED FOR TAIL AND TURN)	13
CADILLAC SRX	11-16	HYUNDAI VELOSTER	12-18	LEXUS LS	04-12	RAM 3500 (3157/LED FOR TAIL AND TURN)	13
CHEVROLET MALIBU LIMITED	13-16	INFINITI EX35	08-13	LEXUS LX	06-16	SUBARU BRZ	13-16
CHEVROLET SUBURBAN	15-19	INFINITI FX35	09-13	LEXUS RX	04-12	SUBARU IMPREZA WAGON	09-14
CHEVROLET TAHOE	15-19	INFINITI G25 SEDAN	11-12	LEXUS RCF	15-18	SUBARU IMPREZA WAGON	09-16
CHEVROLET VOLT	16-19	INFINITI M35	06-13	LEXUS SC	06-10	SUBARU OUTBACK WAGON	15-17
CHRYSLER 200	15-17	INFINITI M37	11-13	MAZDA 3 HATCHBACK	07-19	SUBARU XV CROSSTREK	14-16
CHRYSLER PACIFICA	17-19	INFINITI M45	06-10	MAZDA 3 SEDAN	07-18	SMART FORTWO	16-17
CHRYSLER TOWN & COUNTRY	11-16	INFINITI M56	11-13	MAZDA 5	07-10	TOYOTA 4RUNNER	08-09
DODGE JOURNEY	11-19	INFINITI Q45	05-06	MAZDA 6 SEDAN	14-16	TOYOTA AVALON	13-18
FORD ESCAPE	17-19	INFINITI Q70	14-19	MAZDA CX-5	16-18	TOYOTA CAMRY	10-11
FORD EXPLORER	11-19	INFINITI QX56	06-13	MAZDA CX-9	07-12	TOYOTA HIGHLANDER	17-19
GMC ACADIA	17-19	INFINITI QX60	14-17	MAZDA CX-9	17-18	TOYOTA LAND CRUISER	06-19
HONDA ACCORD	16-18	INFINITI QX70	14-16	MAZDA RX-8	09-11	TOYOTA PRIUS	10-17
HONDA ACCORD COUPE	06-07	JEEP CHEROKEE	14-18	MAZDA MX-5 MIATA	16-18	TOYOTA PRIUS V	12-17
HONDA CIVIC	16-19	JEEP COMPASS	11-19	MITSUBISHI ECLIPSE	06-12	TOYOTA RAV4	06-12
HONDA CR-Z	11-16	JEEP GRAND CHEROKEE	14-19	MITSUBISHI I	12-18	TOYOTA RAV4	16-18
HONDA FIT	15-18	KIA CADENZA	14-19	MITSUBISHI MIRAGE	18	TOYOTA SOLARA	07-08
HONDA INSIGHT	10-16	KIA OPTIMA	16-18	MITSUBISHI OUTLANDER	07-13	TOYOTA TACOMA	09-11
HONDA ODYSSEY	14-18	KIA RIO PREMIUM	12-17	MITSUBISHI OUTLANDER SPORT	11-17	VW CC	13-17
HONDA PILOT	16-17	KIA SORENTO	11-18	NISSAN 350Z	06-09	VW TIGUAN	15-17
HONDA RIDGELINE	17-19	KIA SOUL	17-19				

*Don't see your vehicle?
Contact us to check compatibility.*

To install this module, you only need to work with the brake light wire and turn signal wire on each side of your vehicle. Once you've converted the tail light to function as the turn signal, you'll be left with an unused bulb! When installing, you can choose to eliminate it and leave it off, or keep it blinking as a turn signal. Or, if you convert the old turn signal bulb to an LED, you can make it another backup light!



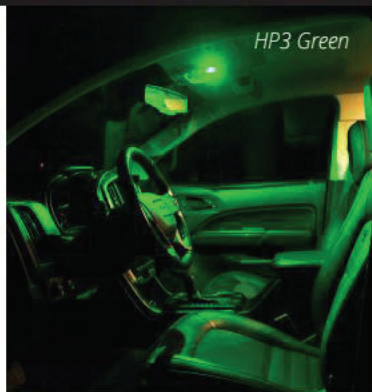
MINI WEDGE LEDs



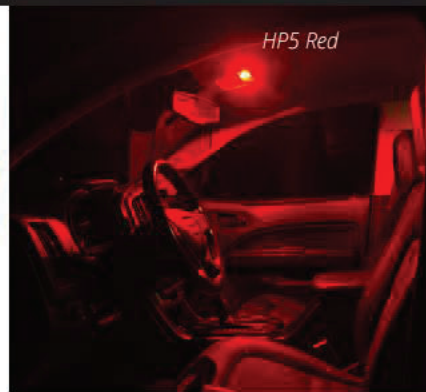
HP5 Cool White
Map Light



HP5 Blue



HP3 Green



HP5 Red



194 SMD2

24 lumens

COLORS



COLOR

AMBER
BLUE
GREEN
WARM WHITE
RED
COOL WHITE

SKU

DD0032
DD0033
DD0034
DD0035
DD0036
DD0037



194 HP3

56 lumens (2x standard bulb)
Diffusing lens for excellent
output pattern.

COLORS



COLOR

AMBER
BLUE
WARM WHITE
NATURAL WHITE
PURE WHITE
RED
COOL WHITE
GREEN

SKU

DD0018
DD0019
DD0020
DD0021
DD0022
DD0023
DD0024
DD0203



194 HP5

92 lumens (3x standard bulb)
High brightness with diffusing
lens for excellent output.

COLORS



COLOR

AMBER
BLUE
WARM WHITE
NATURAL WHITE
PURE WHITE
RED
COOL WHITE

SKU

DD0025
DD0026
DD0027
DD0028
DD0029
DD0030
DD0031



74 SMD1

16 lumens



COLORS



COLOR

AMBER
BLUE
GREEN
WARM WHITE
RED
COOL WHITE

SKU

DD0118
DD0119
DD0120
DD0121
DD0122
DD0123

Although LED technology allows for extremely long bulb life, the market is flooded with cheap LED bulbs that fail prematurely due to inferior construction. The worst enemy of LEDs is excessive heat, and when bulbs are not designed properly, they do not disperse heat as well, leading to premature failure.

Diode Dynamics bulbs are produced with modern, computerized equipment, and only the best materials, to ensure complete uniformity, high quality, and long bulb life.

MINI WEDGE LEDs

DESIGNED FOR PERFORMANCE

HP5 LED BULB COOL WHITE

High-power genuine Samsung 2323 LEDs, tested to provide perfect color uniformity.

Unique constant-current drive circuit ensures high reliability over time.



TruLux™	92 lumens
Power Consumption	1.09 watt
Typical Draw	83 mA

Molded diffusing optic provides omnidirectional output, for high performance.

Integrated copper plating dissipates heat quickly, allowing for high operating current and brightness.

Sturdy, thick-gauge wraparound contact wires ensure a reliable connection in socket.



**3 YEAR
WARRANTY**



2016 GMC Canyon Interior LEDs

FESTOON LEDs

HP6 FESTOON LED

The newest interior bulb from Diode Dynamics features non-polar design for easy installation, and a constant-current circuit for high reliability. Eight high-power LEDs are arranged in an omnidirectional pattern all the way around the bulb, with a frosted cover to provide an even light distribution and clean, factory-style appearance. For more exact fitment, we have added two sizes: the HP6 series is available in lengths of 29mm, 31mm, 36mm, 39mm, and 41mm. Available in a range of colors, these are sure to provide a more modern look in your vehicle!



COLOR OPTIONS



29MM HP6

120 lumens



31MM HP6

120 lumens



36MM HP6

140 lumens



39MM HP6

140 lumens



41MM HP6

140 lumens

29MM HP6

COLOR	SKU
AMBER	DD0288
BLUE	DD0289
COOL WHITE	DD0292
RED	DD0294
WARM WHITE	DD0350

31MM HP6

COLOR	SKU
AMBER	DD0295
BLUE	DD0296
COOL WHITE	DD0299
RED	DD0301
WARM WHITE	DD0351

36MM HP6

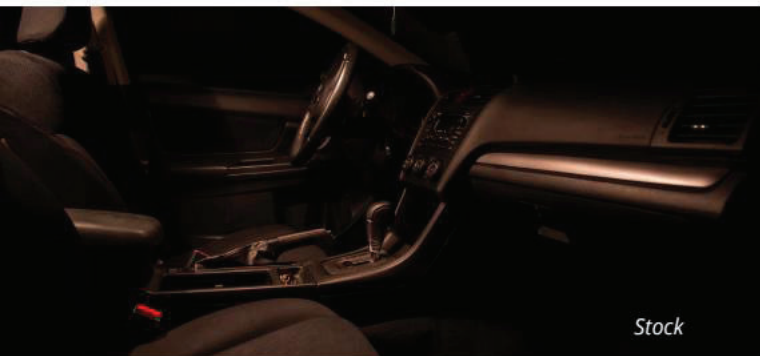
COLOR	SKU
AMBER	DD0302
BLUE	DD0303
COOL WHITE	DD0306
RED	DD0308
WARM WHITE	DD0352

39MM HP6

COLOR	SKU
AMBER	DD0309
BLUE	DD0310
COOL WHITE	DD0313
RED	DD0315
WARM WHITE	DD0353

41MM HP6

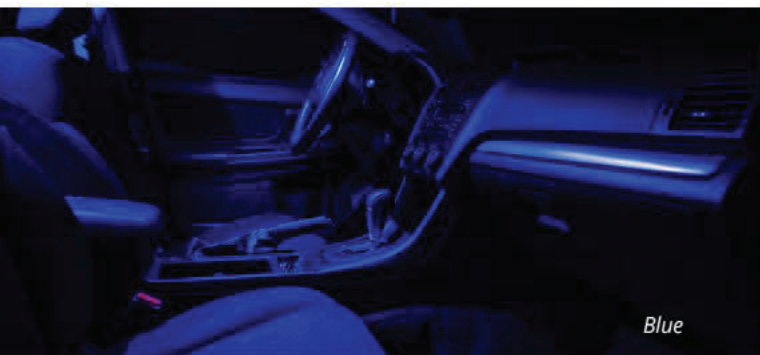
COLOR	SKU
AMBER	DD0316
BLUE	DD0317
COOL WHITE	DD0320
RED	DD0322
WARM WHITE	DD0354



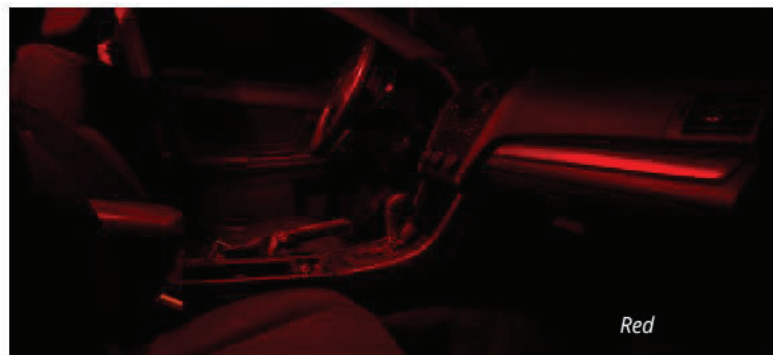
Stock



Cool White
2016 Subaru Impreza



Blue



Red

FESTOON LEDs



STOCK
2015 Nissan Xterra



SMD12 Board

THE DIFFERENCE IS NIGHT AND DAY



28MM FUSE SMF1

8 lumens

\$3.00

DD0043

COLORS



FUSE SMF2

16 lumens

\$5.00

DD0049

COLORS



BOARD SMD12

118 lumens

COLORS



DD0150



44MM SML8

38 lumens

COLORS



DD0102



44MM SML9

88 lumens

COLORS



DD0106

OEM HIDs



D SERIES BALLAST (PAIR)

Avoid costly OEM ballasts with these quality aftermarket replacements. Compatible with most OEM HID systems.

DD1003P



D1S HID BULBS

DD1032



D2H HID BULBS

DD1204



D2R HID BULBS

DD1037



D2S HID BULBS

DD1042



D3S HID BULBS

DD1046



D4S HID BULBS

DD1050



**D5A HID BULBS
(35W UPGRADE)**

DD1221

**NEW
FOR
2020**



**D6A HID BULBS
(35W UPGRADE)**

DD1224

**NEW
FOR
2020**



**COLOR
TEMPERATURES**



**3 YEAR
WARRANTY**



High-intensity discharge (HID) headlamps produce light with an electric arc rather than a glowing filament as you might find in a standard halogen bulb. Halogen bulbs usually burn out after about 600 hours, while HID bulbs can last for 2,500 hours or more. HID bulbs emit various colors, or temperatures, based on the halide salts inside the bulb. At Diode Dynamics, we offer a number of different color temperatures to suit your needs.



Infiniti Q70 Always-On™ Module
Photographer: Trung Vu @trungasaurus_rex
Owner: Mark B.

ALWAYS-ON™ MODULES

From the factory, many new vehicles come with LED daytime running lights, which are only on during the day. Our Always-On™ Modules allow these lights to be used at all times, day or night, for improved styling and appearance.

To ensure safety on the road, these modules utilize pulse width modulation (PWM) dimming. When the headlamps are turned on, the LEDs will be run at a dimmed level, so they aren't too bright at night. Thanks to OEM connectors and custom harnesses, these modules are completely plug-and-play.

MAKE/MODEL

INFINITI Q50

INFINITI Q70

SCION FR-S

10 SERIES, MONOGRAM, AND RELEASE SERIES

SUBARU BRZ (EU/AU/JDM)

SUBARU BRZ (USDM)

SKU

DD3037

DD3037

DD3025

DD3024

DD3006

STOCK DRL



BOOMERANG ON AS DRL



Subaru BRZ Always-On™ Module



SEQUENCER



2015 Ford Mustang featuring the Sequencer Module



SEQUENCER FOR 2010-2019 FORD MUSTANG

From the factory, Ford included sequential turn signals on the 2010+ Mustang. However, this pattern is only used for the turn signals! The brake and hazards still flash with a static pattern. This Sequencer Module makes the tail lights flash in a sequential pattern for all functions, including brake, hazard, and locking/unlocking the vehicle.

The module has been designed with quality components, custom-tooled OEM-grade connectors, and includes embedded circuit protection, for high reliability over time.

DD3016



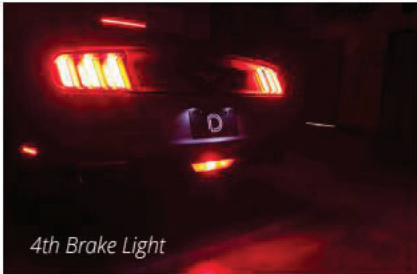
The Sequencer and 4th Brake Light are frequently installed together to create a custom LED look. The 4th Brake Light Module must be wired to the vehicle harness, then connected to the Sequencer Module, and finally connected to the tail light.

Vehicle Connector → 4th Brake Module → Sequencer → Tail Lamp

4TH BRAKE MODULE



Backup Light



4th Brake Light

4TH BRAKE LIGHT FOR 2015-2019 FORD MUSTANG

This kit converts your factory reverse light to shine both bright white, and red. Not only do you get an upgraded backup light, you can also add a red running and brake light, for a unique, modern look on the road.

Red Running Light: The red light comes on at 50% brightness anytime you have your parking lights or headlights on, to serve as a rear fog lamp.

4th Brake Light: When you hit the brakes, the red light powers at full brightness, to serve as a supplementary brake light, for greater visibility and a unique look.

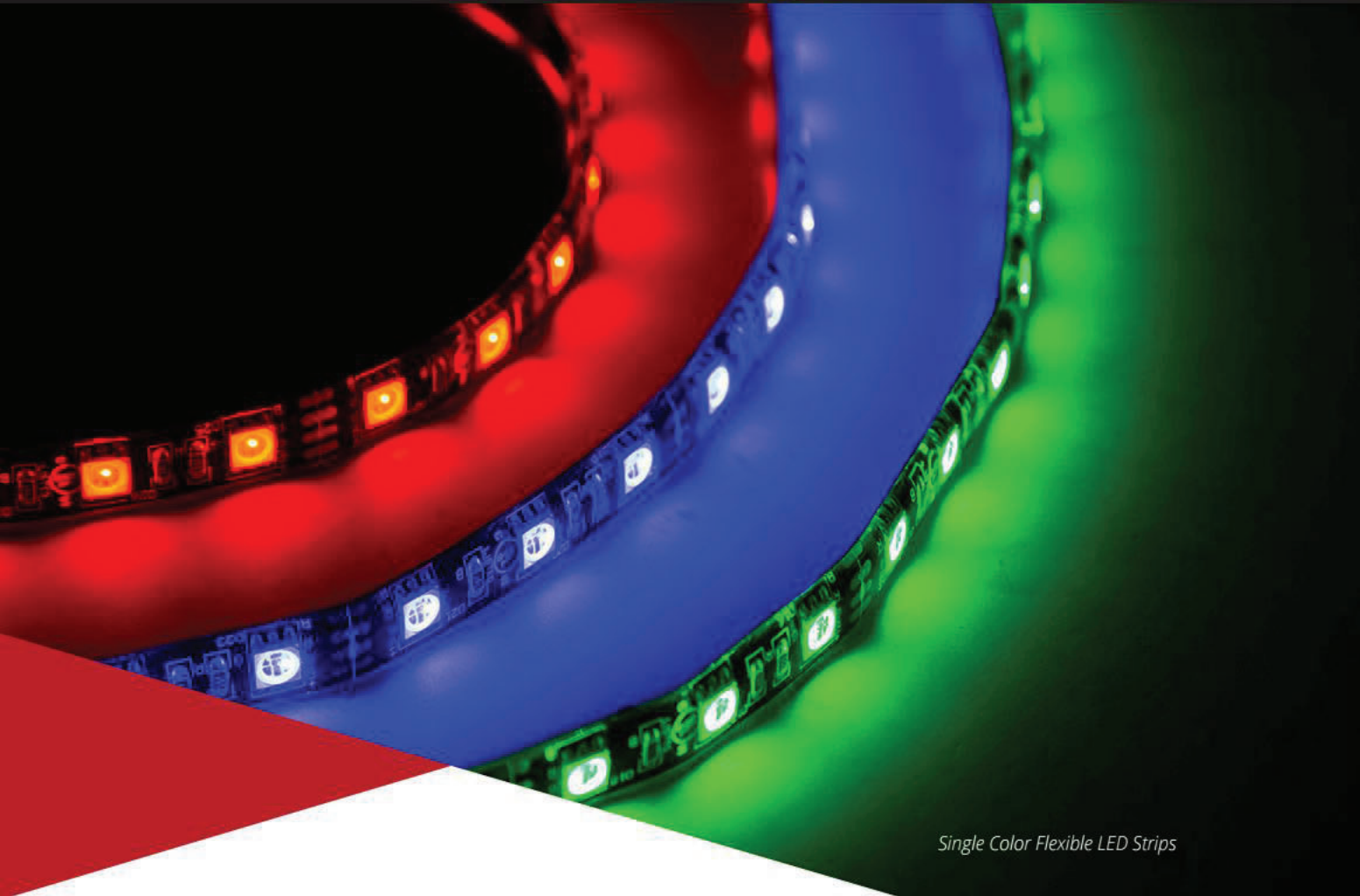
White Reverse Light: Anytime you're in reverse, the red shuts off completely, so your backup light can illuminate in a crisp, white color.

DD3017



2018 Ford Mustang GT featuring the
4th Brake Light, Sequencer, and Smoked Sidemarkers

LED STRIPS



Single Color Flexible LED Strips

FLEXIBLE LED STRIPS

Set yourself apart from the crowd with these extremely versatile strips that are up to **5 times brighter** than any others on the market! With over a thousand color possibilities, you are sure to find that perfect look for your vehicle. These Multicolor LED strips are one of the most affordable and easy to install products that we offer!

- Highly versatile, use them anywhere to add light
- Twice as many LEDs on each strip than most other brands
- IP67 waterproof and heat-resistant
- Can be cut every three chips without soldering
- 3M adhesive backing included with each order

3 YEAR
WARRANTY



SIZE	COLOR	SKU	COLOR OPTIONS
50cm	RED	DD2198	
	COOL WHITE	DD2199	
	BLUE	DD2200	
	GREEN	DD2201	
	AMBER	DD2202	
	MULTICOLOR	DD2251	
100cm	RED	DD2203	
	BLUE	DD2204	
	COOL WHITE	DD2205	
	MULTICOLOR	DD2252	
200cm	RED	DD2206	
	BLUE	DD2207	
	COOL WHITE	DD2208	
	MULTICOLOR	DD2253	

LED STRIP KITS



SINGLE COLOR FOOTWELL LED KIT

- Two (2) 50cm LED strips
- One (1) wiring harness
- Two (2) quick splices
- One (1) LED toggle switch
- Power splitter and adapters
- Four (4) 3M adhesive mounting pads

**Kit includes LEDs for front footwells*



RGBW MULTICOLOR FOOTWELL LED KIT

- Two (2) 50cm RGBW LED strips
- One (1) wiring harness
- Two (2) quick splices
- One (1) LED toggle switch
- Power splitter and adapters
- Four (4) 3M adhesive mounting pads

**Kit includes LEDs for front footwells*



FLEXLIGHT TRUNK LED STRIP

- One (1) 30 SMD LED strip
- One (1) velcro strip
- Four (4) 3M adhesive pads
- Universal wedge and festoon adapters to fit any trunk light
- 300 lumens

COLOR	SKU	COLORS
BLUE	DD0228	
RED	DD0229	
GREEN	DD0230	
AMBER	DD0231	
COOL WHITE	DD0232	
WARM WHITE	DD0233	

DD0234

RGBW

3 YEAR WARRANTY

COLORS

COLOR	SKU	COLORS
WARM WHITE	DD0192	
COOL WHITE	DD0193	
RED	DD0194	
BLUE	DD0195	
AMBER	DD0196	
GREEN	DD0197	



2015 Ford F-150 RGBW Footwell Kit

LED STRIP KITS

2015 Ford F-150 RGBW Multicolor Grille LED Kit



GRILLE LED KITS








SINGLE COLOR GRILLE LED KIT

- 2 (two) 30-5050 SMD strips (*flexible and waterproof*)
- Universal grille wiring harness
- LED toggle switch in your choice of LED color
- Power splitter and adapters to easily wire up the strips
- 4 (four) zip-ties and 3M outdoor adhesive pads



RGBW MULTICOLOR GRILLE LED KIT

- 2 (two) 30-5050 SMD strips (*flexible and waterproof*)
- Universal grille wiring harness
- LED toggle switch
- 4 (four) zip-ties and 3M outdoor adhesive pads

COLOR	SKU	COLORS
AMBER	DD0249	  
BLUE	DD0250	
RED	DD0251	
GREEN	DD0252	 
COOL WHITE	DD0253	

COLORS 

DD0254



LED STRIP KITS

SINGLE COLOR ENGINE BAY LED KIT

- 2 (two) 60-5050 SMD strips
(flexible and waterproof)
- Wiring harness with ring terminals
- 1 (one) 1m extension wire
- Door jamb switch for on/off with hood position
- 8 (eight) zip-ties
- 3M outdoor adhesive pads

COLOR

AMBER
BLUE
RED
COOL WHITE
WARM WHITE
GREEN

SKU

DD0242
DD0243
DD0244
DD0245
DD0246
DD0247

COLORS



RGBW MULTICOLOR ENGINE BAY LED KIT

- 2 (two) 30-5050 SMD strips
(flexible and waterproof)
- Wiring harness with ring terminals
- 1 (one) 1m extension wire
- LED toggle switch
- 4 (four) 3M outdoor adhesive pads
- 4 (four) zip-ties

DD0248



3 YEAR
WARRANTY

COLORS



SINGLE COLOR UNDERGLOW LED KIT

- Two (2) 50cm LED strips
- Two (2) 200cm LED strips
- Four (4) 5-meter RGB wires
- One (1) wiring harness
- Two (2) quick splices
- One (1) LED toggle switch
- Sixteen (16) zip ties

COLOR

BLUE
RED
COOL WHITE

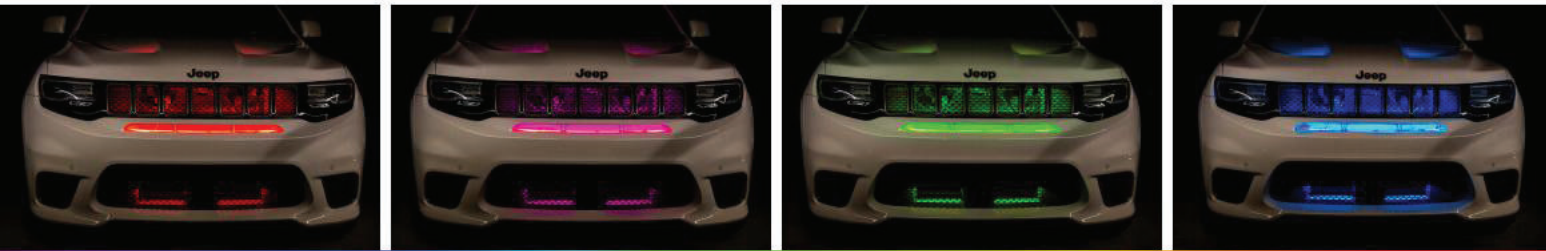
SKU

DD0412
DD0413
DD0414

COLORS



2018 Jeep Grand Cherokee Trackhawk RGBW Grille Kit



THOUSANDS OF COLOR POSSIBILITIES

2015 Ford Mustang RGBW Multicolor Engine Bay LED Kit



LED FLASHER MODULES



SmartTap™ Flasher Relay

SmartTap™ is a replacement CF18 flasher relay that adds adjustable one-touch flashing. Simply tap your turn signal for a series of signal blinks. Compatible with most Lexus, Scion, Subaru, and Toyota models, the SmartTap™ also includes additional programmable settings including hazard flashing modes, arrival and departure modes, strobe effects, and many more!



**3 YEAR
WARRANTY**



**CF15
FLASHER**

DD4001



**CF18 (LM449)
FLASHER**

DD4003



**EP26
FLASHER**

DD4004



**EP27
FLASHER**

DD4005



**EP28
FLASHER**

DD4006



**EP29
FLASHER**

DD4007



**LM470
FLASHER**

DD4011



**LM487
FLASHER**

DD4013



**LM526
FLASHER**

DD4014

SWITCHES AND CONTROLLERS



2016 Chevy Camaro
Bluetooth RGBW Controller



BLUETOOTH RGBW CONTROLLER

- Control RGBW products right from your phone, with easy True White selection
- Simple to use, with saved color presets
- Multiple patterns, or customize your own
- Easily group multiple controllers for multi-zone control
- Fully waterproof, with standard connections
- Output up to 20 amps (5A per channel)

DD3003



28-KEY RF RGB CONTROLLER

- Color selection buttons
- Mode selection buttons
- Adjust speed and brightness
- Program custom colors with unique DIY settings

DD3002



RGBW TOUCH CONTROLLER

- One RGBW Touch Controller
- One input power wire
- One remote control

**For use with RGBW multicolor products*

DD3005



ADD-ON LED SWITCH KIT

- One (1) standard SPST LED switch
 - 15' of connecting wire
 - 2' ground wire
- *For use in standard 12v applications*

COLOR

GREEN
AMBER
RED
BLUE

SKU

DD3032
DD3033
DD3034
DD3035

COLORS



LED TOGGLE SWITCH

- Standard SPST switch with LED illumination.
 - Standard sized terminals with positive signal in, out, and ground connection for LED.
- *For use in standard 12v applications*

COLOR

GREEN
AMBER
RED
BLUE

SKU

DD3028
DD3029
DD3030
DD3031

COLORS



ACCESSORIES

DID YOU KNOW?

Did you know that every Diode Dynamics team member takes a rigorous eight-week course on electrical theory, 12-volt systems, and electronics manufacturing? When you ask us a question, you can rest assured that we have a full understanding of automotive lighting and how our products will work on your vehicle!



BULB SOCKET

(PREWIRED)

Prewired bulb socket for DIY projects

**Prices vary by size*

Sizes:	74 (mini wedge)	3156
	194/921 (wedge)	3157
	1156 type 1	7440
	1157 type 1	7443
	1156 type 2	
	1157 type 2	Festoon 31-39MM



FEMALE BULB CONNECTOR (PREWIRED)

- Prewired with 6" wires
- Great for DIY projects

**9006 connector shown*

Sizes:	H1, H3
	9145, 9005, 9006, H10
	H8, H9, H11, 880, 881
	9004, 9007
	H13, 9008
	H3, 9003



MALE BULB CONNECTOR KIT

- 2 inject-molded connectors
- 4 male spade connectors
- 4 rubber grommets

Sizes:	H13, 9008
	9005, 9006, H10
	H11, H8, H9, 881, 880



RGBW EXTENSION WIRE

- Standard 5-pin inline connector
- Fits all Diode Dynamics RGBW products
- One male and one female connector

SIZE (CM)	SKU
50	WE0002
150	DD4075



4-WAY DC SPLITTER

- Standard 5.5mm connector
- Fits all Diode Dynamics DC plugs
- One female input, 4 male outputs

DD4063



DC EXTENSION WIRE

- Standard 5.5m connector
- Compatible with all our DC products
- *Not waterproof*

SIZE (M)	SKU
1	DD4057
3	DD4058
5	DD4059



BUTYL HEADLAMP SEALANT

- Automotive grade butyl sealant
- Easy to work with, no sticky mess
- Standard black color

DD4048

DD4048X



20MM BREATHER PATCH

- Great for any retrofit job
- Easy to use, just stick in place!
- Available in packs of 4 or 40

DD4032

DD4034



CANBUS ANTI-FLICKER MODULE

- Eliminates flickering in even the most troublesome vehicles
- Provides smoother power for any LED or HID application

Sizes: 9145, 9012, 9005, 9006, H10
H11, H8, H9, 880, 881

DD3021
DD3022



AUTOMOTIVE RELAY SOCKET

- Standard 5-pin relay socket
- Great for DIY projects
- Bosch style relay required *(not included)*

WP0034



12V 6A WALL ADAPTER

- For use with LED strips or other lights indoors
- Standard 5.5 connector

DD4036



LED RESISTOR KIT

- Two (2) 50w 6ohm resistors
- Four (4) quick splice connectors

DD4025

MERCHANDISE



DIODE DYNAMICS QUARTER-ZIP PULLOVER

- Polyester/spandex blend
- Moisture management and antimicrobial properties
- Self-fabric collar with 8" locking zipper
- Paneled sleeve
- Open bottom
- Double-needle hemmed bottom

Available sizes: S, M, L, XL, XXL

SIZE	SKU
SMALL	XM0065
MEDIUM	XM0066
LARGE	XM0067
X LARGE	XM0068
XX LARGE	XM0069



DIODE DYNAMICS DESTROYED T-SHIRT

- Black crew neck jersey tee
- Soft-style, 100% ringspun cotton
- Tearaway label
- Unisex sizing

Available sizes: S, M, L, XL, XXL

SIZE	SKU
SMALL	XM0073
MEDIUM	XM0074
LARGE	XM0075
X LARGE	XM0076
XX LARGE	XM0077



DIODE DYNAMICS T-SHIRT

- 50/50 cotton/poly blend
- Double needle stitching

Available sizes: S, M, L, XL, XXL, 3XL

SIZE	SKU
SMALL	XM0016
MEDIUM	XM0017
LARGE	XM0018
X LARGE	XM0019
XX LARGE	XM0020
XXX LARGE	XM0021

MERCHANDISE



DIODE DYNAMICS 800 LUMEN FLASHLIGHT

- High-intensity spot reflector design
- High, medium, low and strobe modes
- Durable polycarbonate lens and aluminum housing
- 50,000+ hour lifespan

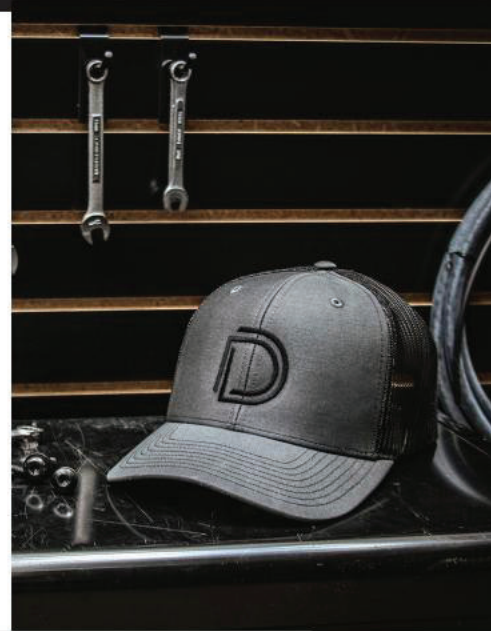
XM0070



DIODE DYNAMICS HAT

- Polyester/cotton blend with embroidered Diode Dynamics logo
- 100% polyester mesh back
- Structured, mid-profile, six-panel
- Pre-curved contrast stitched visor
- Adjustable snapback closure

XM0064



SUNGLASSES

High quality polycarbonate material

XM0006



LANYARD

18" x 1" high quality lanyard

XM0001



WRIST LANYARD

5" x 1" high quality lanyard

XM0002



DECAL

- 10" x 1"
- High quality oracal vinyl



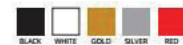
WINDSHIELD BANNER

- 49.5" x 4.5"
- High quality oracal vinyl



SQUARE DECAL

- 5" x 5"
- High quality oracal vinyl



AUTHORIZED DEALER PROGRAM



Looking to start selling performance lighting at your business?

Our Authorized Dealers choose Diode Dynamics because we offer a number of unique products that can't be found anywhere else, with a reputation for high quality, at affordable prices. Whether you operate a tint service, body shop, or custom garage, you can become an Authorized Dealer, and offer premium lighting to your customers.



AUTHORIZED DEALER BANNER

- Dimensions: 6' x 2.5'
- 10oz lightweight durable vinyl
- Fade and tear-resistant
- Mounting grommets sewn in
- * Included in first order

XM0053



STAGE SERIES POP DISPLAY

- Dimensions: 18" x 11.25" x 3.25"
- Holds two SS6 Stage Series 6" light bars
- Sturdy durable material
- Includes a push-button "try-me" feature

XM0078



SL1/SLF LIGHTING POP DISPLAY

- Dimensions: 18" x 12" x 4.75"
- Holds one SL1 bulb and one SLF bulb
- Sturdy durable material
- Includes a push-button "try-me" feature

XM0083

LETTER FROM THE GM



Thanks for taking a moment to see what we have to offer at Diode Dynamics.

I started this company in 2006, after exploring automotive lighting for my own vehicle. I found that LED lighting was a guessing game. Dozens of importers and dropshippers. No one really knew what they were selling, or even where it was made. I experienced poor quality, bad service, and fly-by-night sellers. There had to be a better way. I formed Diode Dynamics to offer a solution.

From the start, it has been our goal to provide only the highest-quality products possible. Unfortunately, with all electronics, it's often difficult for the average consumer to identify a real difference in product quality- until the low-quality item fails. Because of this, the aftermarket lighting industry is plagued with low-quality parts, made at the lowest cost possible.

To bring our customers quality products, we are manufacturing an increasing number of products in-house, which allows us to control every step of the process, and create jobs here at home. We take the time to rigorously test and check all of our products to ensure they meet our standards. We're not the lowest-cost supplier, but our pricing is competitive, and you can be assured that you will receive only the highest quality lighting products.

We engineer truly innovative lighting solutions. Whether it's HDHalo lighting technology, our SL1 LED Headlight, or LED Sidemarkers, we are constantly working to bring new ideas to market. You will find many items in our catalog that have no substitute on the market, because our own engineers have worked hard to develop the technology and products you see here.

Finally, we value convenience. We have a three-year warranty that you can actually use. Just give us a call or send an email if you have any problem at all. Often, we'll send a replacement with a return label so you don't have to wait around. You trust us with your business, so it's only fair that we trust you. We also offer a satisfaction guarantee, zero return or restocking fees, and trained, knowledgeable customer service. My greatest satisfaction comes from the happiness of our customers when they get their products installed. There's just no feeling like unwrapping and installing a new mod, then turning it on for the first time. Our goal is to make that experience easier, faster, and better for you at every step of the way, through performance lighting technology.

Paul McCain
General Manager, Diode Dynamics



DIODE DYNAMICS
PERFORMANCE LIGHTING TECHNOLOGY

Learn more about automotive lighting we have.