MORIMOTO

NEW PRODUCT RELEASE

2024+ TOYOTA TACOMA
2025+ TOYOTA 4RUNNER

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XB EVO HEADLIGHTS





LF2-528
XB EVO HEADLIGHTS



LF2-528Y
XB EVO HYBRID HEADLIGHTS



LF2-DRVSC27
XB EVO SUPERCHARGED LED DRIVER

LF2-528

XB EVO HEADLIGHTS

2024+ TOYOTA TACOMA / 2025+ TOYOTA 4RUNNER



EVOLUTIONARY

A simple design refresh would have been easy, but that's not what this is all about. These all-new XB Evo headlights are a showcase of everything Morimoto is made of. From concept to completion. Packed with features that demonstrate a true attention to detail including the latest in technology, compliance, quality, and styling, these headlights are designed for enthusiasts who are serious about all the above, even if it comes at a premium.

MAXIMUM PERFORMANCE

Thanks to an all-new generation of Morimoto Bi-LED projectors, the XB Evo headlights will meet the highest standards for headlight performance that are set by the Insurance Institute for Highway Safety... which is a tough mark even for most modern luxury automakers. Here, the XB Evo headlight utilizes proprietary Bi-LED projectors and side-specific reflectors to deliver unmatched light output, with an incredibly bright and wide low beam, and a high beam that destroys darkness. Optics are powered by the latest OE-grade automotive LEDs from Osram and Nichia.

ON ROAD

The Morimoto XB Evo Headlights are DOT compliant with all FMVSS108 regulations for on-road use in the USA. Their optics are so capable and efficient that their LEDs are only driven at about 50% of their full potential intensity to avoid exceeding limitations set by compliance. The vertical aim is fully adjustable within +/- 6 degrees for a perfect alignment on any Tacoma/4Runner, even with a lift. The system was designed in California by Morimoto's lead optical engineer, Yoshi Ishida, to deliver maximum visibility, comfort, and safety, and that it does.

OFF ROAD

Yes, you read that correctly. Out of the box, the XB Evo are only producing a fraction of their potential intensity for compliance reasons. Want more light for your off-road adventures? The optional Supercharged LED driver boosts both low and high beam intensity by approximately 30% - all without sacrificing reliability or warranty. While the Supercharged drivers easily enable these to outshine every other headlight for the 2024+ Tacoma and 2025+ 4Runner on the market, we must reiterate that they will result in non-compliant levels of peak beam intensity and therefore should not be used on public roads.

FROST-FREE SYSTEM

Our patent-pending heating system warms the surface temperature of the headlight lens to minimize frost buildup when driving through wet and snowy conditions in the wintertime. When the temperature drops below 41°F / 5°C, the system is enabled to operate on your command by flashing the high beams four times. From there, it will automatically maintain temps within the headlight housing to mitigate frost buildup on the lens. A cold-climate game changer, this feature ensures the output of your XB Evo headlights will remain strong when you need it most.

DRL OPTICS

The turn signals and daytime running lights illuminate with special surface textures, which enable maximum intensity from all viewing angles. Easily out-shining low-tech optics found in most every other aftermarket headlight, they also provide a one-off look.

EASY TO PERSONALIZE

The proprietary signal swap system allows users to personalize how the daytime running lights and turn signals operate according to personal preference, all through a simple plug n play key on the back of each headlight. The daytime running light can be configured to run full-time in either white or amber with no compromise in intensity either way. The turn signals can operate sequentially from side to side, or in a more traditional on-off mode with an elegant fade-off effect.

WELCOME SEQUENCE

When starting your truck, the optics will automatically illuminate in a multi-stage sequence before turning back off. Unlike every other feature baked into the XB Evo headlights, this does absolutely nothing to improve performance. But executed properly, it does look cool, and there's nothing wrong with that!

OE FIT & INSTALLATION

The XB Evo headlights are expertly crafted to match all OE specifications to ensure perfect fitment and hassle-free install. They will bolt onto the original mounting points and line up to the surrounding sheet-metal without any massaging and then plug into the factory wire harness and then work without errors on the dash, flickering, flashing, or radio interference. Thoughtfully engineered for modification-free installation. No factory warranties void. No headaches.

LF2-528

XB EVO HEADLIGHTS

2024+ TOYOTA TACOMA / 2025+ TOYOTA 4RUNNER

WELL-BUILT

This product is completely designed, engineered, and tested in the USA by the Morimoto team to meet the high expectations of our customers. Osram Oslon LEDs are used throughout. All wiring and connections are OE-grade. When it comes to UV protection, OE Toyota headlights are industry-best, which is why we've formulated a new hard coating that exceeds their standard for resistance against cracking, fading, and yellowing lenses from UV exposure. The list goes on but as the saying goes: you get what you pay for. XB Evo headlights aren't cheap, but they are built to a high standard and should easily last the life of your truck! We're proud to stand behind these headlights with an industry-leading five-year warranty.

WHAT'S INCLUDED

- **Headlights:** One Pair (1x RH / Passenger Side Headlight, 1x LH / Driver Side Headlight)
- **Accessories:** 1x Fuse Tap, 1x DRL Relay, 1x Power Harness, 2x Magnet-Mount Resistors, 2x Input Adapters, 2x Mode Selector Extensions, 8x (Four Pairs) Mode Selectors
- **Warranty:** Five (5) Years

WARRANTY INFORMATION:

This Morimoto product includes a Five (5) Year limited warranty, serviced and supported by the Morimoto team in Atlanta, GA. This warranty does not cover modifications, alterations, or misuse.

COMPATIBILITY

- **Toyota Tacoma:** 2024+ (All)
- **Toyota 4Runner:** 2025+ (All)
- **Replaces OE Part #:** 81150AK020, 81150AK030, 81150AK010, 81150AK040, 81150AK010, 81110AK020, 81110AK030, 81110AK010, 81110AK040, 81110AK010
- **NOTE:** These headlights were developed for compatibility with North American vehicles. Morimoto does not guarantee compatibility on trucks outside of North America.

COMPLIANCE

Designed to meet all DOT, SAE, and FMVSS108 Standards

TECH SPECS

- **Traffic Pattern:** LHD / Right Hand Traffic Only (US/CA Standard)
- **Output:** DOT (FMVSS108) Compliant (LB2V and UB2)
- **Main Optics:** 1x Type 1 Ishida Optic Bi-LED using high-powered custom Oslon LED chip, 2x Side-Specific Low Beam Torus lens Projectors, 2x High Beam Reflectors
- **Functions:** Low, High, Park, Turn, DRL, Welcome, and Lens Heating
- **Turn Signal Modes:** Sequential or Fade Off (Configurable)
- **DRL Colors:** White or Amber (Configurable)
- **Frost-Free System:** Logic-controlled 50W ceramic w/ circulation fans
- **Internal Finish:** Two-Tone Piano Black and Titanium w/ contrasting textures
- **Side marker:** Amber side reflex reflector (DOT compliant)
- **Lens Details:** Polycarbonate with proprietary anti-UV hard coating



LF2-528Y

XB EVO HYBRID HEADLIGHTS

2024+ TOYOTA TACOMA / 2025+ TOYOTA 4RUNNER



EVOLUTIONARY

A simple design refresh would have been easy, but that's not what this is all about. The all-new XB Evo Hybrid headlights are a showcase of everything Morimoto is made of. From concept to completion. Packed with features that demonstrate a true attention to detail including the latest in technology, compliance, quality, and styling, these headlights are designed for enthusiasts who are serious about all the above, even if it comes at a premium. Compared to the top-of-the-line XB Evo headlights, the Hybrid model drops the lens heaters, the mode selectors, half of the reflector assist optics, and the welcome sequence to meet a lower price point.

MAXIMUM PERFORMANCE

Thanks to an all-new generation of Morimoto Bi-LED projectors, the XB Evo Hybrid headlights will meet the highest standards for headlight performance that are set by the Insurance Institute for Highway Safety... which is a tough mark even for most modern luxury automakers. Here, the XB Evo Hybrid headlight utilizes Bi-LED projectors with single reflector low beam and single reflector high beam assist to deliver unmatched light output, with an incredibly bright and wide low beam, and a high beam that destroys darkness. All optics are powered by the latest OE-grade automotive LEDs from Osram and Nichia.

ON ROAD

The Morimoto XB Evo Hybrid Headlights are DOT compliant with all FMVSS108 regulations for on-road use in the USA. Their optics are so capable and efficient that their LEDs are only driven at about 50% of their full potential intensity to avoid exceeding limitations set by compliance. The vertical aim is fully adjustable within +/- 6 degrees for a perfect alignment on any truck, even with a lift. The system was designed in California by Morimoto's lead optical engineer, Yoshi Ishida, to deliver maximum visibility, comfort, and safety, and that it does.

OFF ROAD

Yes, you read that correctly. Out of the box, the XB Evo Hybrid are only producing a fraction of their potential intensity for compliance reasons. Want more light for your off-road adventures? The optional Supercharged LED driver boosts both low and high beam intensity by approximately 30% - all without sacrificing reliability or warranty. An additional feature is the multi-stage welcome sequence that is "unlocked" with the Supercharged drivers. While the Supercharged drivers easily enable these to outshine every other headlight for the 2024+ Tacoma / 2025+ 4Runner on the market, we must reiterate that they will result in non-compliant levels of peak beam intensity and therefore should not be used on public roads.

DRL OPTICS

The turn signals and daytime running lights illuminate with special surface textures, which enable maximum intensity from all viewing angles. Easily out-shining low-tech optics found in most every other aftermarket headlight, they also provide a one-off look. The DRL illuminates in a bright white with dim parking light mode, and a bright turn signal using the same optic backed by amber LEDs.

OE FIT & INSTALLATION

The XB Evo Hybrid headlights are expertly crafted to match all OE specifications to ensure perfect fitment and hassle-free install. They will bolt onto the original mounting points and line up to the surrounding sheet-metal without any massaging and then plug into the factory wire harness and then work without errors on the dash, flickering, flashing, or radio interference. Thoughtfully engineered for modification-free installation. No factory warranties void. No headaches.

WELL-BUILT

This product is completely designed, engineered, and tested in the USA by the Morimoto team to meet the high expectations of our customers. Osram and Nichia LEDs are used throughout. All wiring and connections are OE-grade. When it comes to UV protection, OE Toyota headlights are industry-best, which is why we've formulated a new hard coating that exceeds their standard for resistance against cracking, fading, and yellowing lenses from UV exposure. The list goes on but as the saying goes: you get what you pay for. XB Evo Hybrid headlights aren't cheap, but they are built to a high standard and should easily last the life of your truck! We're proud to stand behind these headlights with an industry-leading five-year warranty.

LF2-528Y

XB EVO HYBRID HEADLIGHTS

2024+ TOYOTA TACOMA / 2025+ TOYOTA 4RUNNER

WHAT'S INCLUDED

- **Headlights:** One Pair (1x RH / Passenger Side Headlight, 1x LH / Driver Side Headlight)
- **Accessories:** 1x Fuse Tap, 1x DRL Relay, 1x Power Harness, 2x Magnet-Mount Resistors, 2x Input Adapters
- **Warranty:** Five (5) Years

WARRANTY INFORMATION:

This Morimoto product includes a Five (5) Year limited warranty, serviced and supported by the Morimoto team in Atlanta, GA. This warranty does not cover modifications, alterations, or misuse.

TECH SPECS

- **Traffic Pattern:** LHD / Right Hand Traffic Only (US/CA Standard)
- **Output:** DOT (FMVSS108) Compliant (LB2V and UB2)
- **Main Optics:** 1x Type 1 Ishida Optic Bi-LED using high-powered custom Oslon LED chip, 1x Side-Specific Low Beam Torus lens Projector, 1x High Beam Reflector
- **Functions:** Low, High, Park, Turn, and DRL
- **Turn Signal Modes:** Fade Off (Fixed)
- **DRL Colors:** White (Fixed)
- **Internal Finish:** Black
- **Side marker:** Amber side reflex reflector (DOT compliant)
- **Lens Details:** Polycarbonate with proprietary anti-UV hard coating

COMPATIBILITY

- **Toyota Tacoma: 2024+ (All)**
- **Toyota 4Runner: 2025+ (All)**
- **Replaces OE Part #:** 81150AK020, 81150AK030, 81150AK010, 81150AK040, 81150AK010, 81110AK020, 81110AK030, 81110AK010, 81110AK040, 81110AK010
- **NOTE:** These headlights were developed for compatibility with North American vehicles. Morimoto does not guarantee compatibility on trucks outside of North America.

COMPLIANCE

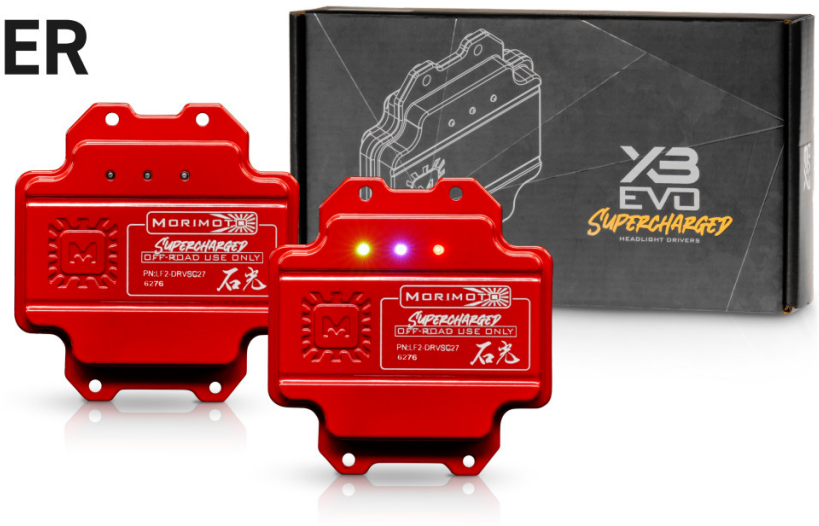
Designed to meet all DOT, SAE, and FMVSS108 Standards



LF2-DRVSC27

XB EVO SUPERCHARGED DRIVER

2024+ TOYOTA TACOMA / 2025+ TOYOTA 4RUNNER



PRODUCT DESCRIPTION

MORE POWER

The XB Evo line of headlights are designed for enthusiasts who are serious about technology, styling, reliability, and performance – and while they have no problem checking all those boxes right out of their boxes: if you need even more output... here is your answer.

ON ROAD

The Morimoto XB Evo Headlights are DOT compliant with all FMVSS108 regulations for on-road use in the USA. Their projector optics are so capable and efficient that their LEDs are only driven at about 50% of their full potential intensity to avoid exceeding limitations set by compliance. The system was designed in California by Morimoto's lead optical engineer, Yoshi Ishida, to deliver maximum visibility, comfort, and safety, and that it does.

OFF ROAD

Yes, you read that correctly. Out of the box, the XB Evos are only producing a fraction of their potential intensity for compliance reasons. So, you want even more light for your off-road adventures? These Supercharged LED drivers bolt on and boost both the low and high beam intensity by approximately 30-50%-- all without sacrificing reliability or warranty.

NON-COMPLIANT

While the Supercharged drivers easily enable the XB Evo to outshine the competition no matter the model, we must reiterate that they will result in non-compliant levels of peak beam intensity and therefore should not be used on public roads. Once installed, it is NOT possible to reduce intensity back to compliant levels without re-installing the standard DOT-Spec drivers.

TROUBLE FREE

Three color-coded indicator lights* on the back of the LED drivers not only help to assure you that everything is working properly, but if in the rare case that something isn't, also help you identify problems with minimal troubleshooting and/or disassembly. *The Red LED confirms power to the DRL. Green confirms power to the low beam circuit, and blue to the high beam circuit.

BOLT-ON

Designed as a direct replacement for the standard LED drivers, these are an easy swap on the bottom of the housings during headlight installation. Again, because the standard drivers are under-powering the LED projectors for DOT compliance reasons, these Supercharged drivers will not cause any reliability issues since the boosted power ratings are still within range of what the LEDs can handle. These optional Supercharged drivers are compatible with the new XB Evo and XB Evo Hybrid headlights for the 2024+ Toyota Tacoma and 2025+ Toyota 4Runner.

TECH SPECS

- **Output Boost: 30-50 Percent Increase**
- **Status Indicators: Red - Switched ignition power/fuse tap. Green - Low Beam power. Blue - High Beam power.**
- **Input: XB Evo multi-pin connector**

WHAT'S INCLUDED

- **LED Drivers:** 2x (One Pair) Supercharged LED Drivers (SKU: LF2-DRVSC24)
- **Accessories:** 8x Screws, 1x packet grease
- **Warranty:** Five (5) Years

COMPATIBILITY

- **Morimoto Headlights:** LF2-528 and LF2-528Y Only
- **Compliance:** Installation results in non-compliant intensity. Not for on-road use in USA.

COMPLIANCE

Installation results in non-compliant intensity. Not for on-road use in USA or Canada.

WARRANTY

This Morimoto product includes a Five (5) Year limited warranty, serviced and supported by the Morimoto team in Atlanta, GA. This warranty does not cover modifications, alterations, or misuse.

XB EVO HEADLIGHTS

Available in two versions to meet the demands of every enthusiast.



XB EVO HEADLIGHTS

LF2-528

Main Optics	**1x Type 1 Ishida Bi-LED Projector 2x Low-Beam Reflectors + 2x High-Beam Reflectors**
Daytime Running Lights	**White Or Amber (Configurable)**
Turn Signal	**Sequential Or Fade-Off (Configurable)**
Welcome Sequence	**Multi-Stage Startup Animation**
Lens Heater	**Yes, Warms Lens To Minimize Frost Build-Up**
Interior Finish	**Two-Tone Piano Black And Titanium With Contrasting Textures**
Side Marker	**DOT-Compliant Amber Side Marker**
DOT Compliant	**Yes, With Standard Drivers. *Not Compliant With Optional Supercharged Drivers.**
Outer Lens	**Polycarbonate With Proprietary Anti-UV Hard Coating**



XB EVO HYBRID HEADLIGHTS

LF2-528Y

Main Optics	**1x Type 1 Ishida Bi-LED Projector 1x Low-Beam Reflector + 1x High-Beam Reflector**
Daytime Running Lights	**White Only (Fixed)**
Turn Signal	**Fade-Off (Fixed)**
Welcome Sequence	**None With Standard Drivers. Welcome Sequence Activated With Optional Supercharged Drivers.**
Lens Heater	**No**
Interior Finish	**Black**
Side Marker	**DOT-Compliant Amber Side Marker**
DOT Compliant	**Yes, With Standard Drivers. *Not Compliant With Optional Supercharged Drivers.**
Outer Lens	**Polycarbonate With Proprietary Anti-UV Hard Coating**

Supercharged

SUPERCHARGE YOUR HEADLIGHTS.

Boosts low + high beam intensity by 30-50% when you want max output for off-road use.

