



LED Light Bar Brands

That is a question without a definitive answer due to the multitude of customer preferences for specific price points, features and applications. This guide has selected seven well-known makers of **quality LED light bars** to help you decide who makes the **best LED product for you**.



Black Oak LED

Black Oak LED is challenging the status quo in the high-end LED light bar industry to the benefit of consumers. They are proving to everyone that building a top quality, durable, reliable LED light bar with exceptional performance can be done without charging sky-high prices.

Product Features

The designs, materials and components that go into their products meet or exceed anything the competition offers:

- ✓ Top-bin, 50,000-hour OSRAM and CREE LEDs
- ✓ Oversized, integrated aluminum heat sinks
- ✓ Quality, tight-spec LED driver circuitry
- ✓ Torture-proof anodized housings

- ✓ Shatterproof polycarbonate lenses
- ✓ Custom neoprene case seals
- ✓ The highest IEC 60529 international standard intrusion rating: IP69K
- ✓ U.S. Military-standard housing breathers
- ✓ Three beam patterns: Spot, Flood or Combo
- ✓ Full IP69K wiring harnesses and stainless steel mounting hardware

Black Oak's high standards in build and performance come at prices half what competitors charge for equivalent products.

Black Oak LED Product Lines

Black Oak produces four main product lines:

- **Single-Row** – [Black Oak's S-Series](#) features a stealth 2-inch profile and powerful 5W OSRAM LEDs. There are six S-Series lengths from 6 to 50 inches with one LED per inch. Raw lumens output is from 3,300L to solar-bright 27,500L and power from 20W to 250W.
- **Double-Row D-Series** – [Black Oak's most popular line, the D-Series](#) features two stacked rows of ultra-bright 5W OSRAM LEDs in a 3.3-inch housing. Seven sizes range from four inches up to 50 inches with luminosities of 4,400L to a blazing 55,000L and power ratings from 40W to 500W. [Curved](#) and Marine-grade D-Series light bars are available also.
- **Pods** – [Black Oak's compact LED pod lights](#) are four LEDs in a 2x2 pattern encased in a rugged, IP69K, swivel-mount, 3.25x3.23-inch housing. Buyers have a choice of either 5W OSRAM LEDs or super-bright 10W CREE XM-L2 LEDs. Two beam optics are available: High Throw Spot or Wide Flood Optics.
- **Rounds** – Available in 7-inch and 5-inch diameters, Black Oak's Round LED Light Bars blend spot and flood optics for the ideal blend of long throw and wide coverage. The larger and smaller round light bars feature 32 or 21 OSRAM LEDs, respectively. Buyers can choose either 3W or 5W LEDs. Luminosities with 5W LEDs are 17,600L and 11,550L for the larger and smaller rounds, respectively.

Every Black Oak lighting product comes with a turnkey, IP69K wiring harness that includes cable, relay, fuse and switch. No other maker of LED light bars makes a better product at the value prices that Black Oak offers. Most products receive a further 15 percent discount for military, police and fire organizations.



Rigid Industries

Rigid Industries began producing LED light bars in 2006 and have since become an industry leader with top-rated lighting products made in the USA at their Arizona plant. Their lights are well-rated among off-road enthusiasts. With their acquisition by Penske, they have entered the heavy-duty equipment and commercial vehicle market segments as well.

Product Features

The features embodied in Rigid products are what they call "The Rigid Difference:"

- ✓ 120 raw lumens per watt LEDs with 50,000 hour lifespans
- ✓ 97 percent efficient LED drivers
- ✓ Oversize, integrated housing heat sinks
- ✓ Redundant, multi-section circuit board design
- ✓ Patented Hybrid, Specter and Hyperspot optics technology
- ✓ Polycarbonate lenses

Rigid's Product Lines

Rigid produces 13 product lines including courtesy lights, scene lighting products and vehicle light bars.

- **E-Series** – This is [Rigid's original LED light bar](#) designed to project long-distance beams. Included in this category are their E2 and M-Series marine LED light bars in lengths from four inches to 50 inches. E-Series lights come in spot, flood or combo patterns, whereas E2 lights utilize Hyperspot and Specter lighting configurations.
- **D-Series** – These are versatile 2×2 or 2×3 LED light pods with a variety of mounting options. The D2-Wide pod with amber LEDs makes an excellent fog light.
- **Dually X-Series** – Duallys are the successors of the D-Series with more and brighter LEDs. The Dually XL Flood features a 3×3 LED array that outputs 2,736 raw lumens of driving light.

Rigid also offers Hi/Lo function light bars, infrared lights and dual color light bars in their ever-expanding catalog.



Vision X

Vision X LED light bar products are produced in two locations. Design and engineering takes place in the USA, while manufacturing is done at their Asian headquarters. They have built a reputation for the high-quality lights that have been tested by NASA and are in use by military organizations due to their uncompromising solutions. They also make HID and halogen lighting products.

Product Features

Vision X produces 15 product lines that cover applications from camera lighting to industrial panel lighting. Their vehicle LED light bars have several advanced features:

- ✓ High-power, top-bin LEDs with 50,000 hour lifespans
- ✓ Pulse-width modulation for precise LED current control and dimming capability

- ✓ Integrated thermal management of LED heat
- ✓ Seamless spot or flood beams via custom optics
- ✓ IP68-rated housings

Vision X Products

In the vehicle LED light bar segment, [Vision X has two main light bar lines](#):

- Xmitter Prime LED Light Bar – This is a dual-row light bar using 3W LEDs housed in an extruded 6061 aluminum housing with shatterproof polycarbonate lens. It comes in lengths of five inches to 43 inches and features bottom stud mounts. Beam options are 10-degree Spot or 40-degree Flood.
- Evo Prime Single Stack LED Bar – In lengths from five inches to 51 inches, Vision X's new Evo light bars feature a single-row of night-crushing, top-bin 10W LEDs, each of which output 1,079 raw lumens of 6000K light. Available beam patterns are 20-degree Spot or 40-degree Flood.

Vision X also sells a single 90W LED round Cannon light that projects a focused beam over 3,000 feet forward.

Baja Designs



Based in San Marcos, CA, [Baja Designs](#) has made a name for itself as the "scientists of lighting." Their HID and LED lights are used on the majority of Baja 1000 winners year after year.

Their light bars use copper backing to wick away LED heat and a U-swap system so drivers can customize optics to suit driving conditions. Their lights are also used in military, industrial and agricultural markets.

Pros

- 75-90 percent USA components

- 100 percent USA engineering
- O-ring seals
- OnX LED lights that rival HID lighting distance

Cons

- Dealer buying only
 - Prices not for the budget-minded
-

KC HiLiTES Light Bars



[KC HiLiTES](#) has been offering high-performance lighting for off-road vehicles since 1974 and are one of the better known brands for halogen, HID and LED lighting.

They operate out of California and offer a full-range of light bar sizes including many made specifically for Jeeps.

Pros

- Over 40 years of developing innovative off-road lights
- Rugged housings and coatings
- Unique 23-year warranty
- Order online direct or via authorized online distributors

Cons

- Smaller catalog of LED off-road lights than other large manufacturers
-

Lazer Star Lights



[Lazer Star Lights](#) is a division of Weekend Concepts, Inc. They have made LED light bars since 1992 for automotive and power sports enthusiasts.

Their products are used in marine, UTV, motorcycle and construction applications too. Their LX LED line of light bars are manufactured in their Paso Robles, CA plant. Each light product line is named after a Space Shuttle: Atlantis, Endeavor and Enterprise.

Pros

- Made in USA
- Unique end caps that facilitate side, vertical and horizontal mounting
- 3 and 10-watt CREE LEDs
- Discovery line offers at-factory customizations

Cons

- No direct online ordering

Cosmoblaze



[Cosmoblaze](#) is an Australian light manufacturer and distributor that develops extremely tough LED light bars. They are one of two manufacturers reviewed here who have lights that achieve IP69K.

Pros

- Designs use input from champion 4WD enthusiasts and industry specialists
- Oversize heat sinks on all products

- Silicone gel specially designed by Dow Corning for lighting systems
- 5-year warranty

Cons

- Only 5 years on the market
 - Must order from Australian distributor or on eBay
-

Federal Signal Light Bars



For more than 50 years, Federal Signal has been in the business of offering comprehensive lighting and alert solutions for emergency and work vehicles. Two of their most innovative technology solutions are in reflector design and an 85 percent reduction in connection failure points in light bars. Read our popular [Federal Signal LED Light review!](#)

Pros

- Decades of technology leadership in EMS lighting

Cons

- Limited selection of work lights, no long light bars that are non-emergency use

Tough Industries Limited

Tel: +86 20 3220 4824 Fax: +86 20 3229 0655

Email: info@toughlighting.com

Website: <http://www.toughlighting.com>

Headquarters&factory: RM A207~209, No.69

Guangpu Xi Road, Scientific City, Guangzhou, China
510663

