

LUMEN



LEARN MORE ABOUT THE TECHNOLOGY BEHIND THE LIGHT.

WHAT IS AN LED?

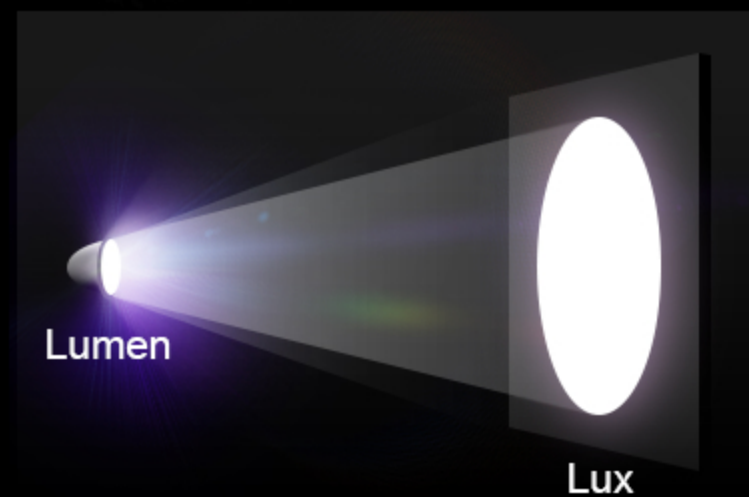
An LED or Light Emitting Diode is a semiconductor diode that emits light when an electric current is applied in the forward direction of the device in the LED circuit. The effect is a form of electroluminescence where incoherent and narrow spectrum light is emitted from the P-N junction in a solid state material. The results - a highly efficient, very bright light source, while drawing less power.

WHAT IS LUX?

Lux (symbol: lx) is the unit of luminance and luminous emittance, measuring luminous flux per unit area. It is equal to one lumen per square meter. In photometry, this is used as a measure of the intensity, as perceived by the human eye, of light that hits a surface. Or more simply, a measurement of emitted light from a specific distance. This measurement takes into account more variables and is a more accurate method of measurement for certain circumstances.

WHAT IS A LUMEN?

Lumen (symbol: lm) is the unit of measurement used for the total amount of visible light emitted by a source. Or more simply, a measurement of emitted light from the direct source, the LED.



WHY DOES COOLING MATTER?

Keeping LED temperatures cool is key to having a reliable unit because the high-powered LEDs used on super-bright units create a significant amount of heat. We've effectively designed housings with heat sinks that transfer the heat from the circuit board efficiently. This prevents damage to the LED and surrounding components. Rigid lights are designed to maximize light output, while still protecting the light from damage. This ensures years of trouble-free operation for you.

PROBLEMS WITH OVERHEATING LEDS

- Decreased light output
- Discolored light output
- Decreased efficiency
- Shorter life span
- Unit failure

OUR SOLUTION

Lumen® Off-Road made extruded housing has triple the surface area compared to the competitors' import housing.



LUMEN

We measure all our lights according to the ANSI FL1 standards which are lighting standards designed for flashlights and portable lighting. We are the only vehicle light company that has joined PLATO (Portable Lights American Trade Organization). We continually test our products to ensure a higher standard of accuracy.



WE PUT OUR LIGHTS TO THE TEST

WHY ARE SUPERIOR ELECTRONICS IMPORTANT?

LED lighting requires an efficient circuitry design to maximize light output per watt consumed. Superior products are backed by superior company standards. Our circuitry designs use the latest technologies to give you the most efficient, most reliable lights available. As design innovators, our products offer you the latest state-of-the-art technology.

- Vibration Tested (MIL-STD-810G)
- Corrosion Tested (ASTM B117)
- Submersion Tested (IP-67)
- Dust Tested (IP-67)
- Variable Voltage Range 9-36V DC
- Over/Under Voltage Protection
- Unbreakable Polycarbonate Lens
- Limited Lifetime Warranties

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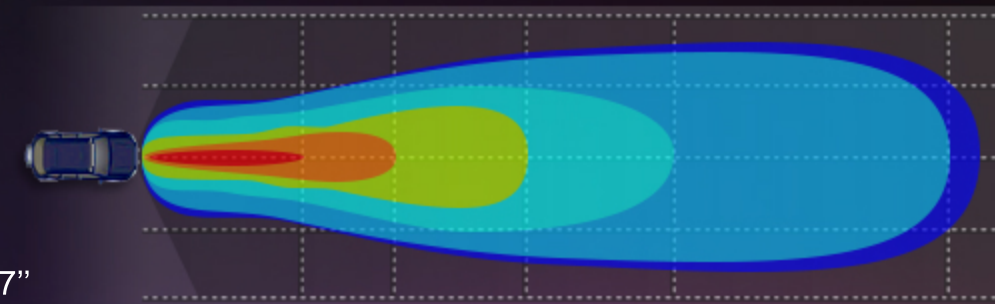
OFF-ROAD LIGHTS

LED OFF-ROAD FOG LIGHT



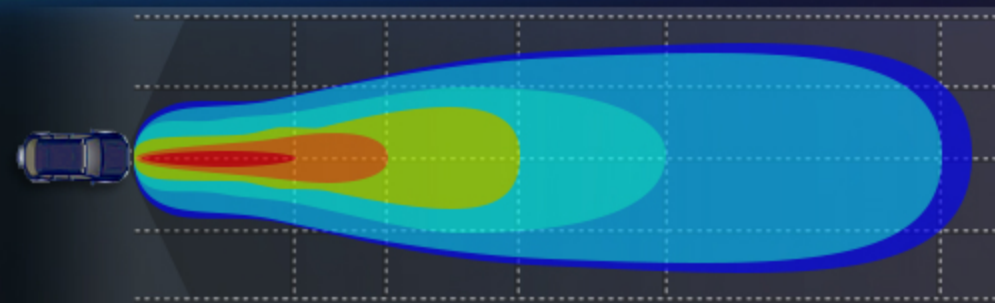
Part #	OR811E
Light Type	Fog Light
LED's Power	15 Watt
Color Temperature	6500K
LED's	Epistar 5 pcs
Lumens	780lm
Dimensions (LxWxD)	5.7" x 1.89" x 3.07"

PENCIL BEAM PATTERN



27 WATT SQUARE LED OFF-ROAD DRIVING LIGHT

PENCIL BEAM PATTERN



Part #	OR921C
Light Type	Driving Light
LED's Power	27 Watt
Color Temperature	6500K
LED's	Epistar 9 pcs
Lumens	1400lm
Dimensions (LxWxD)	4.32" x 4.32" x 2.44"

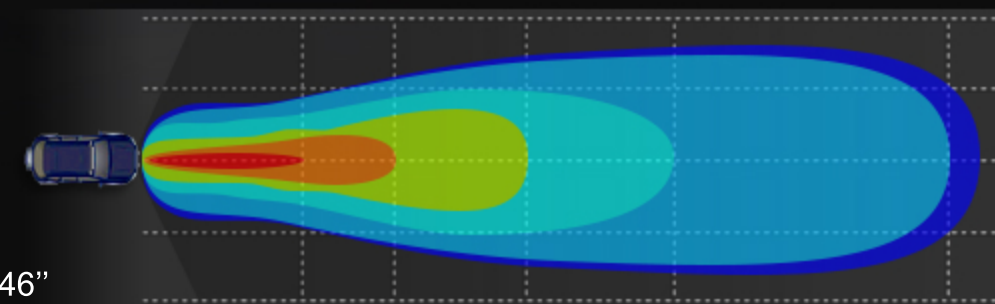


48 WATT SQUARE LED OFF-ROAD DRIVING LIGHT



Part #	OR621C
Light Type	Driving Light
LED's Power	48 Watt
Color Temperature	6500K
LED's	Cree 16 pcs
Lumens	3450lm
Dimensions (LxWxD)	4.91" x 6.09" x 3.46"

PENCIL BEAM PATTERN



LUMEN

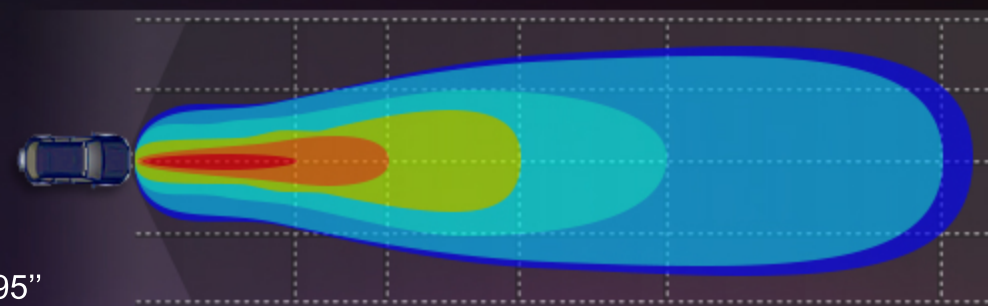
OFF-ROAD LIGHTS



45 WATT RECTANGLE LED OFF-ROAD DRIVING LIGHT

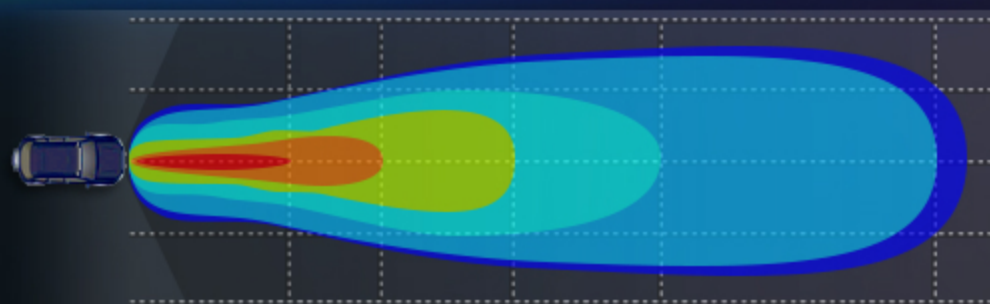
<i>Part #</i>	OR650E
<i>Light Type</i>	Driving Light
<i>LED's Power</i>	45 Watt
<i>Color Temperature</i>	6500K
<i>LED's</i>	Epistar 15 pcs
<i>Lumens</i>	2300lm
<i>Dimensions (LxWxD)</i>	6.21" x 3.73" x 2.95"

PENCIL BEAM PATTERN



18 WATT LED ROUND OFF-ROAD DRIVING LIGHT

PENCIL BEAM PATTERN



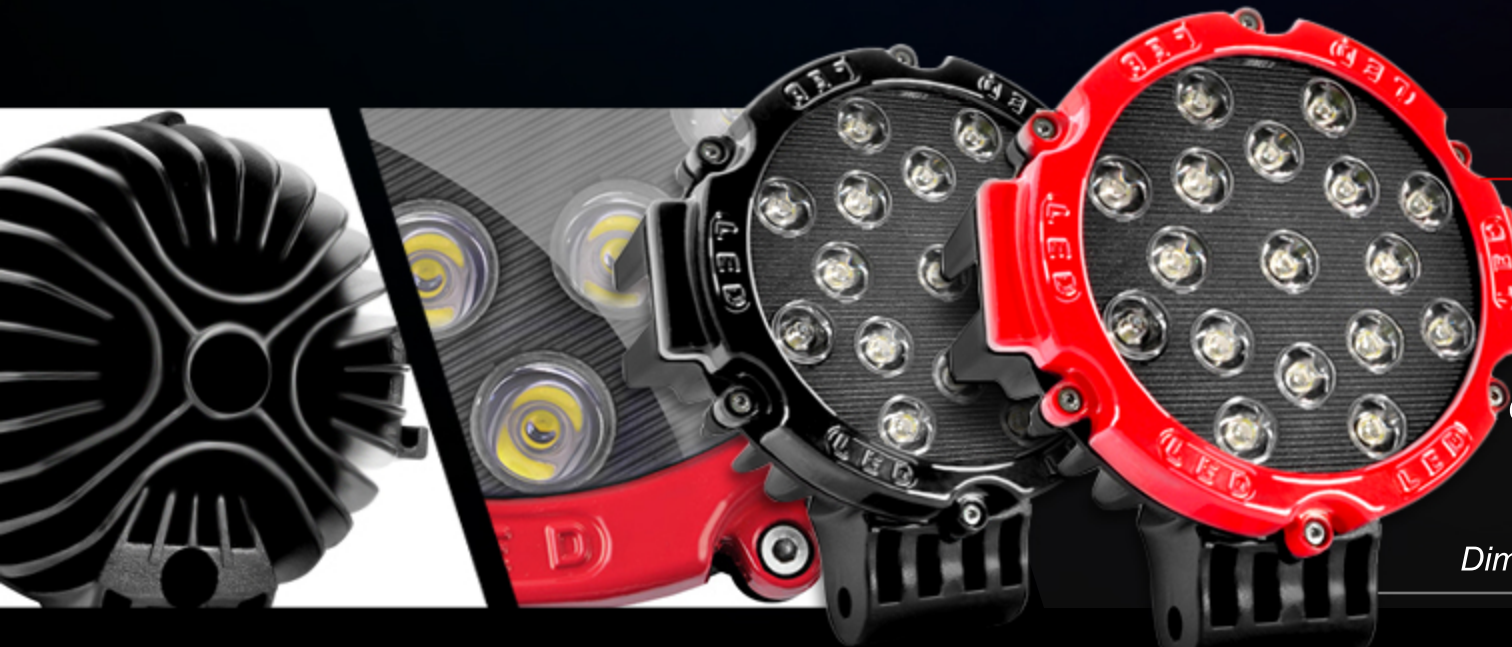
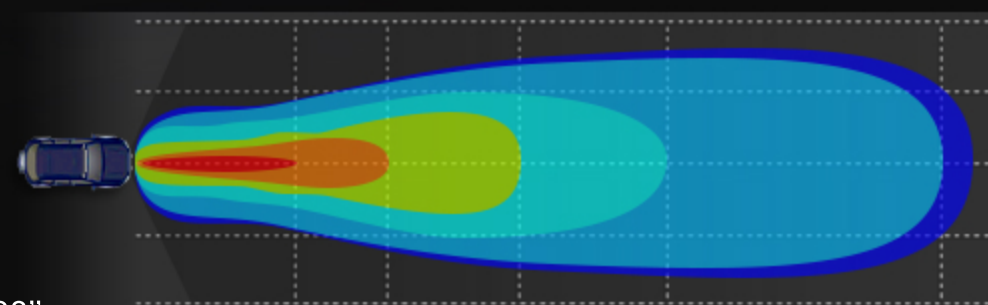
<i>Part #</i>	OR908C
<i>Light Type</i>	Driving Light
<i>LED's Power</i>	18 Watt
<i>Color Temperature</i>	6500K
<i>LED's</i>	Epistar 6 pcs
<i>Lumens</i>	1100lm
<i>Dimensions (LxWxD)</i>	4.56" x 4.56" x 1.69"



51 WATT LED ROUND OFF-ROAD DRIVING LIGHT

<i>Part #</i>	OR2012EBLK OR2012ERED
<i>Light Type</i>	Driving Light
<i>LED's Power</i>	51 Watt
<i>Color Temperature</i>	6500K
<i>LED's</i>	Cree 15 pcs
<i>Lumens</i>	2300lm
<i>Dimensions (LxWxD)</i>	6.29" x 7.94" x 3.38"

PENCIL BEAM PATTERN



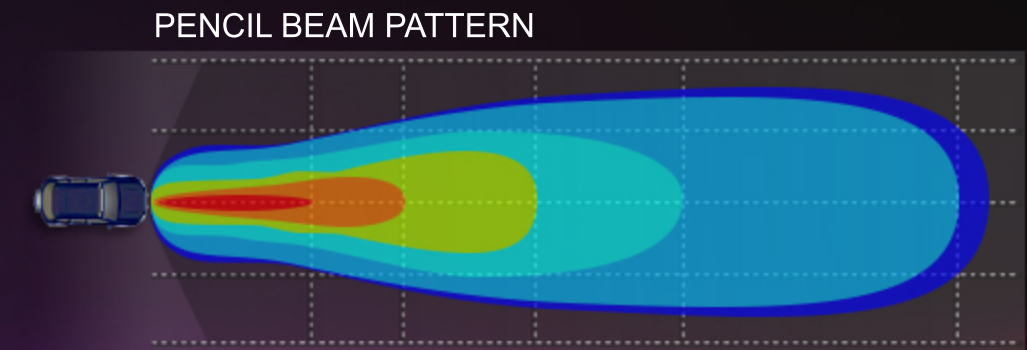
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OFF-ROAD LIGHT BARS



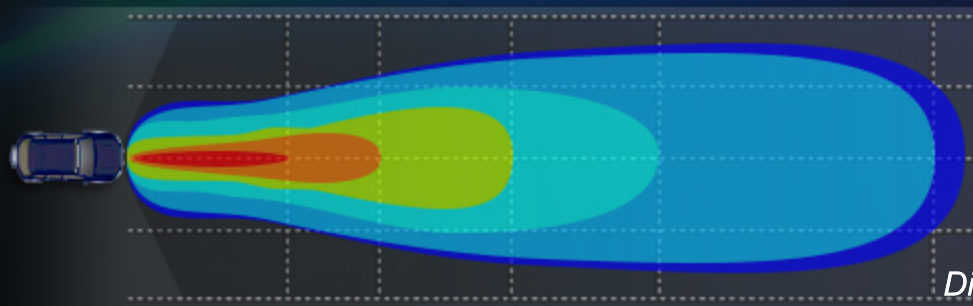
DUAL ROW SHORT LED LIGHT BAR (4", 6.5")

Part #	OR930C	OR931C
Light Type	Dual Row	Dual Row
LED's Power	18 Watt	36 Watt
Color Temperature	6500K	6500K
LED's	Cree 6 pcs	Cree 12 pcs
Lumens	1260lm	2520lm
Dimensions (LxWxD)	3.89" x 4.21" x 2.87"	6.56" x 4.21" x 2.87"



DUAL ROW MEDIUM LED LIGHT BAR (9", 12", 15", 18")

PENCIL BEAM PATTERN



Part #	OR932C	OR933C	OR934C	OR935C
Light Type	Dual Row	Dual Row	Dual Row	Dual Row
LED's Power	54 Watt	72 Watt	90 Watt	108 Watt
Color Temperature	6500K	6500K	6500K	6500K
LED's	Cree 18 pcs	Cree 24 pcs	Cree 30 pcs	Cree 36 pcs
Lumens	3780lm	5040lm	5040lm	7560lm
Dimensions (LxWxD)	9.24" x 4.21" x 2.87"	11.99" x 4.21" x 2.87"	14.54" x 4.21" x 2.87"	17.21" x 4.21" x 2.87"

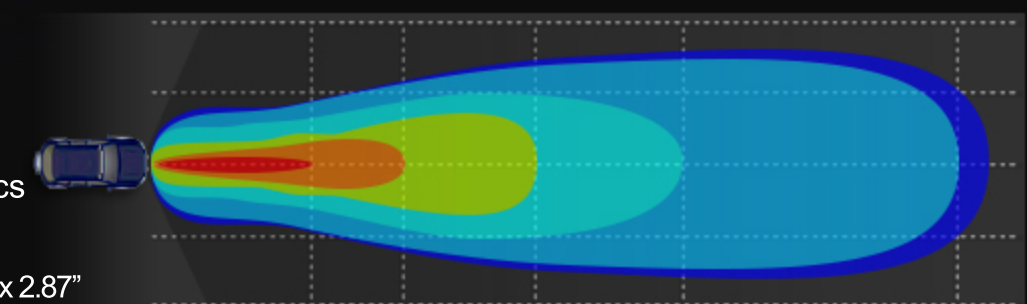


DUAL ROW LONG LED LIGHT BAR (20", 36", 50")



Part #	OR936C	OR937C	OR9500C
Light Type	Dual Row	Dual Row	Dual Row
LED's Power	126 Watt	234 Watt	321 Watt
Color Temperature	6500K	6500K	6500K
LED's	Cree 42 pcs	Cree 78 pcs	Cree 108 pcs
Lumens	8820lm	16380lm	22680lm
Dimensions (LxWxD)	19.85" x 4.21" x 2.87"	35.92" x 4.21" x 2.87"	49.37" x 4.21" x 2.87"

PENCIL BEAM PATTERN



LUMEN

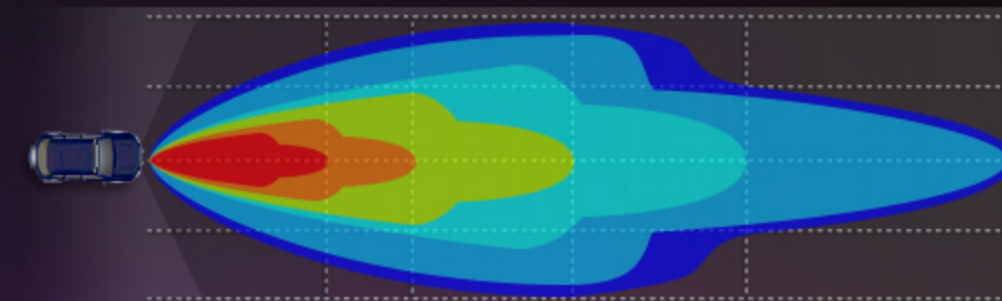
OFF-ROAD LIGHT BARS



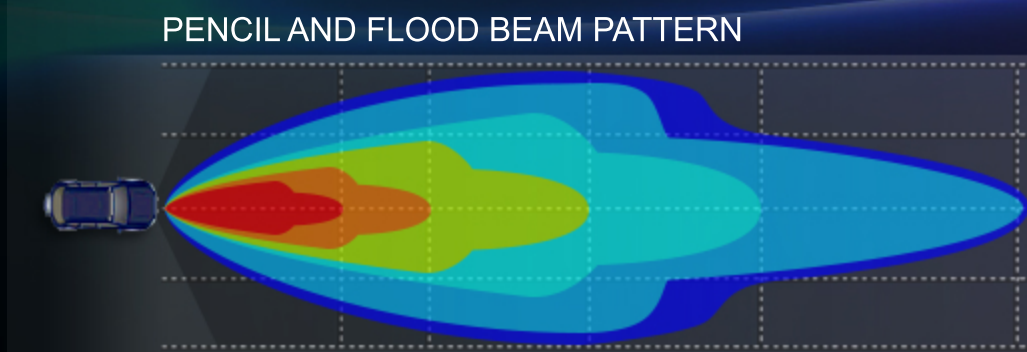
QUAD ROW SHORT LED LIGHT BAR (6.5", 9.25")

Part #	OR941C	OR942C
Light Type	Quad Row	Quad Row
LED's Power	72 Watt	108 Watt
Color Temperature	6500K	6500K
LED's	Cree 24 pcs	Cree 36 pcs
Lumens	5040lm	7560lm
Dimensions (LxWxD)	6.56" x 6.56" x 3.65"	9.24" x 6.56" x 3.65"

PENCIL AND FLOOD BEAM PATTERN



QUAD ROW LONG LED LIGHT BAR (12", 15")



Part #	OR943C	OR944C
Light Type	Quad Row	Quad Row
LED's Power	144 Watt	180 Watt
Color Temperature	6500K	6500K
LED's	Cree 48 pcs	Cree 60 pcs
Lumens	10080lm	12600lm
Dimensions (LxWxD)	11.99" x 6.56" x 3.65"	14.58" x 6.56" x 3.65"

