



**The world leader in  
cutting edge forward projecting LED technology**





## History

Rigid Industries, located in Mesa Arizona, is the industry leader in the most efficient LED lighting solutions. Our patented Hybrid Reflector System and state of the art technology along with affordability, is a top requirement in the success of our company. Rigid Industries is the pioneer of the forward projecting high intensity LED light bars. Our patented technology allows our lights to project 40% more light while drawing 30% less power than any competitor.

Unmatched customer service along with developing one of a kind lighting products is a staple of what Rigid Industries is about. Whether it be designing custom

lights or offering solutions to new projects. Rigid Industries is able to meet your needs in our 10,000 square foot location. Our flagship LED light bars are made in the U.S.A. where we are able to remain hands on, expand, design and adapt to current and future needs of clients.

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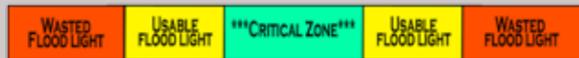
## Why Do Optics Matter?

In 2005, Rigid Industries revolutionized the way LED light is projected forward. The Hybrid LED reflector system allows significantly more LED light to be projected forward than any other reflector design in existence. Being more than 20% more efficient than technology designed nearly 100 years ago is why Rigid Industries is the leader in LED technology.

Almost all LED fixtures measure light output in lumens, which is measured at the source, the LED itself. A light is only as good as how much light is actually projected out. The Hybrid and Specter optics capture the maximum amount of light rays emitted from the LED and project forward the lumens to put the light exactly where you need it!

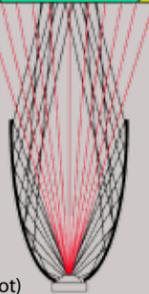
### Rigid Industries SPECTER Optic

Our newest patented optic system. A traditional reflector that breaks all concepts of reflector or lens efficiency and size constraints.



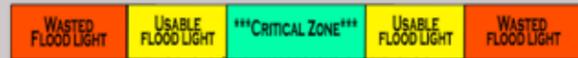
#### Advantages

- Very small footprint
- Extremely efficient
- Unmatched distance (spot)
- Very smooth beam without facets
- Available in Combo (8/20' or 30')
- Very light
- More light in less space
- Patented (Patent 7,438,447)



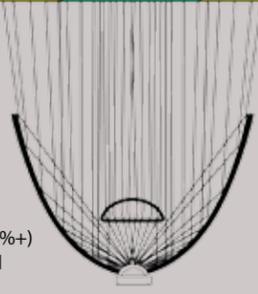
### Rigid Industries Hybrid Optic

Uses a combination of reflector and Lens for TIR quality light control with over 93% efficient light projection.



#### Advantages

- \* Extremely efficient (93%+)
- \* Incredible light control
- \* Very light
- \* Durable
- \* Great distance and flood spread
- \* Available in 10 spot and 20 flood
- \* Patented (Patent #'s 6,986,593 B2, 7,114,832 B2)



## Why Does Cooling Matter?

Keeping LEDs cool is the key to a reliable unit. The high-powered LEDs that are used in these super-bright units create a significant amount of heat. A properly designed housing or heat sink transfers the heat from the circuit board efficiently, preventing damage to the LED and surrounding components. Our lights are designed to maximize light output, while still protecting the light from damage. This ensures years of trouble-free operation.

#### Problems with overheating LED's

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



Rigid Industries Extrusion



Competitors Import Extrusion

Rigid Industries' US made extruded housing has triple the surface area compared to our competitors import housing.

## Why Do Electronics Matter?

LED lighting, although vastly more efficient than traditional halogen lamps, need an efficient circuitry design to maximize light output per watt consumed. Rigid Industries circuitry design incorporates the latest technology resulting in the most efficient, most reliable lights on the market. We strive to continually improve design to provide our customers with the most state-of-the-art technology available.

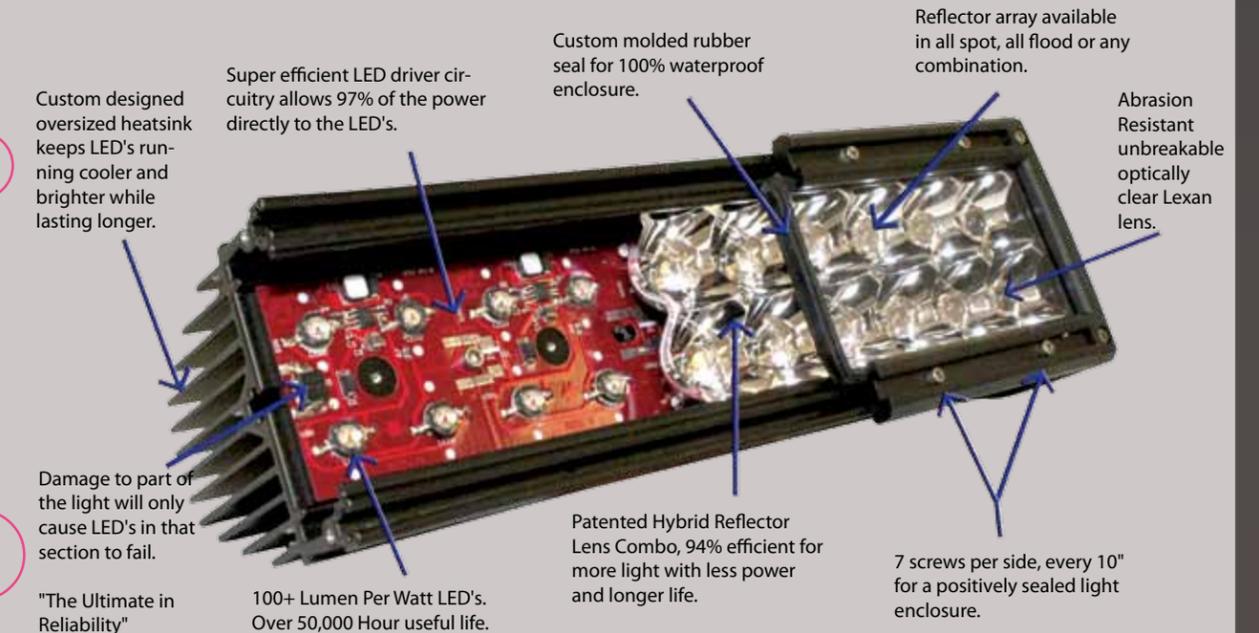


## Advantages

- Multiple 1200mhz signal processors
- Variable voltage input range 9-32v DC
- Reverse voltage protection
- Over / under voltage protection
- < 4% PCB power loss – less power consumed, more light output
- Components firmly attached to eliminate vibration or bouncing beams effect
- Lower drive circuit heat

## What is an LED?

A Light Emitting Diode (LED) is a semiconductor diode that emits light when an electric current is applied in the forward direction of the device, as in the simple 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, resulting in a highly efficient, very bright light source.



The Brightest, Most Efficient LED Light.

Rigid Industries is the original pioneer of the Forward Projecting LED Lightbars. E Series continues to push the envelope with its superior optics and unmatched efficiency. E Series uses our patented hybrid reflector system which gives us the brightest, most efficient LED light on the market. Having the greatest lumen output per watt available on the market is why E Series is the leader in LED lighting solutions.



"We have had limited night racing experience at MGI. However our business takes around the world and around the clock. We deal with many different types of lighting and prefer the solid, clean light that the Rigid's give us. They have proven extremely reliable and contribute to much less driver fatigue than our previous lights."  
Adam Bosch #121 MGI Motorsports, Class1 Unlimited  
President MGI Motorsports

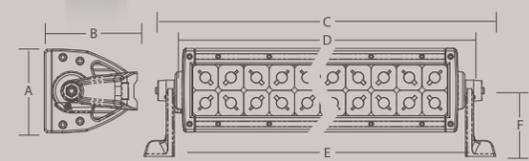
Advantages

- Reflector patterns available in spot, flood or combination
- 50,000+ hours average life span
- 6 1/2 years of continuous use
- 94% optical/reflector efficiency
- 9-32 Volt DC Input
- 100% optically clear – AR1 coated polycarbonate lens
- Instant on/off, no warm-up
- Operating Temp: -40 ~ + 145 deg. F
- Shock proof
- Limited Lifetime Warranty
- Oversized heat sink
- Low power consumption
- IP68 Rating
- Zero UV Emissions

6" E Series - RGDL06



Technical Drawing



A	B	C	D	E	F
3 1/4"	3 3/4"	8 7/8"	7 3/8"	6 3/4"	2 1/8"



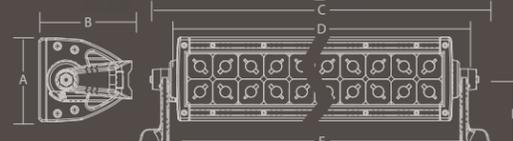
Specifications (E= 20° Flood, P = 10° Spot, PE = Combo)

Model	Alt ID	Length	Watts	AMP Draw	LED's	Lumens
RGDL06E	10611	6"	23.4	1.73	12	2160
RGDL06P	10621					
RGDL06PE	10631					

4" E Series - RGDL04



Technical Drawing



A	B	C	D	E	F
3 1/4"	3 3/4"	6 7/8"	5 3/8"	4 3/4"	2 1/8"

Specifications (E= 20° Flood, P = 10° Spot)

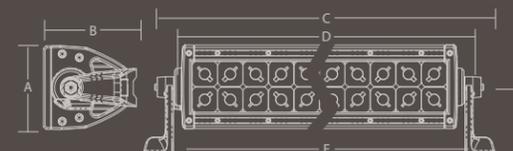
Model	Alt ID	Length	Watts	AMP Draw	LED's	Lumens
RGDL04E	10411	4"	15.6	1.16	8	1440
RGDL04P	10421					



10" E Series - RGDL10



Technical Drawing



A	B	C	D	E	F
3 1/4"	3 3/4"	12 7/8"	11 3/8"	10 3/4"	2 1/8"

Specifications (E= 20° Flood, P = 10° Spot, PE = Combo)

Model	Alt ID	Length	Watts	AMP Draw	LED's	Lumens
RGDL10E	11011	10"	39	2.89	20	3600
RGDL10P	11021					
RGDL10PE	11031					

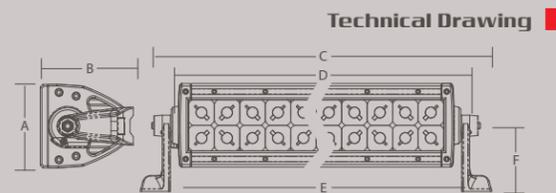
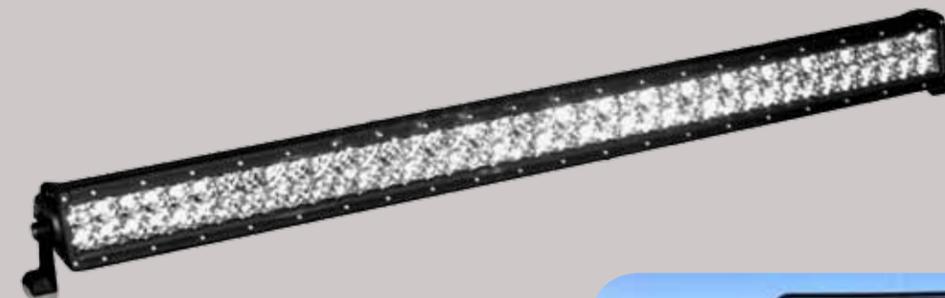


Warranty:

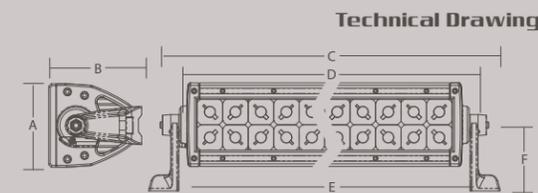
Rigid Industries offers a limited lifetime warranty on all E-Series, Amber Series and Dually LED lights.

20" E Series - RGDL20

40" E Series - RGDL40



A	B	C	D	E	F
3 3/4	3 3/4	22 7/8	21 1/8	20 3/4	2 1/2



A	B	C	D	E	F
3 3/4	3 3/4	42 7/8	41 1/8	40 3/4	2 1/2



Specifications (PE - Combo)

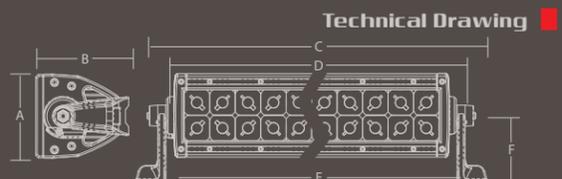
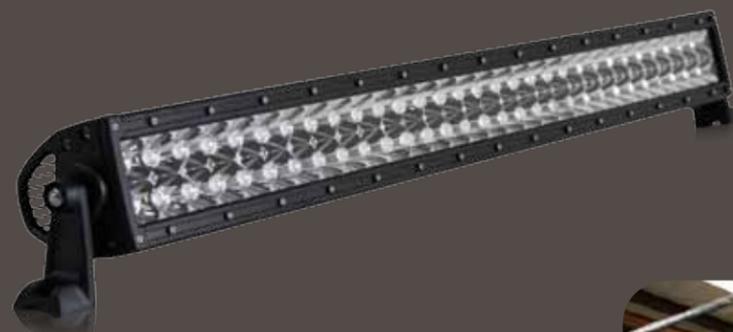
Model	Alt ID	Length	Watts	AMP Draw	LED's	Lumens
RGDL20PE	12031	20"	78	5.78	40	7200

Specifications (PE - Combo)

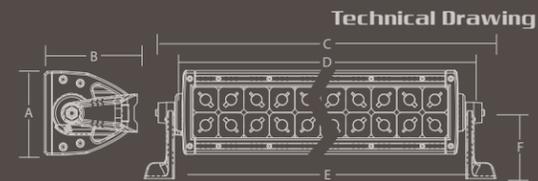
Model	Alt ID	Length	Watts	AMP Draw	LED's	Lumens
RGDL40PE	14031	40"	156	11.56	80	14400

30" E Series - RGDL30

50" E Series - RGDL50



A	B	C	D	E	F
3 3/4	3 3/4	32 7/8	31 1/8	30 3/4	2 1/2



A	B	C	D	E	F
3 3/4	3 3/4	52 7/8	51 1/8	50 3/4	2 1/2



Specifications (PE - Combo)

Model	Alt ID	Length	Watts	AMP Draw	LED's	Lumens
RGDL30PE	13031	30"	117	8.67	60	10800

Specifications (PE - Combo)

Model	Alt ID	Length	Watts	AMP Draw	LED's	Lumens
RGDL50PE	15031	50"	195	14.44	100	18000

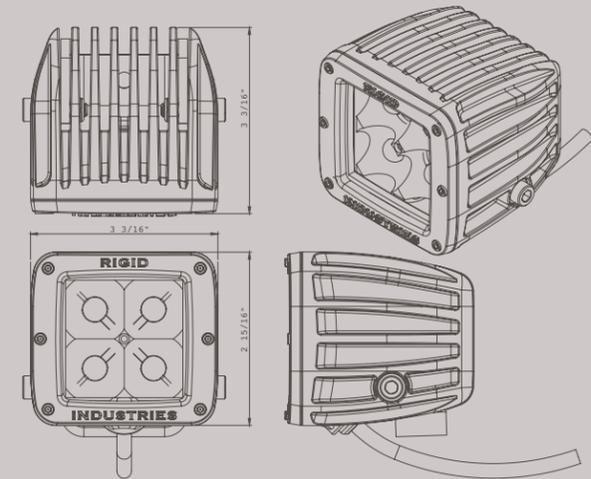
# Dually D<sup>2</sup>

MADE IN THE  
USA

# Dually

MADE IN THE  
USA

- 2600 lumens
- 28 watts
- 10-50vdc input
- 97% efficient drive circuit
- Reverse voltage protection
- Over/under voltage protection
- Dual beam that includes a 9deg spot and a 18deg wide in the same optic for long distance throw with good horizontal spread
- Wide beam (30 deg)
- Uses CREE XP-G LED's
- No warm up - instant on.
- Available in Amber, and IR (lumen and power draw will vary)
- Patented optics (Patent #'s 6,986,593 B2 7,114,832 B2)



**2600 Lumens  
28 Watts**



Rigid Industries is proud to present the latest in LED lighting. The D2 is our new compact light that packs quite the punch with light output. Producing over 2600 Lumens and only using 28 watts of power. The new D2 is the brightest compact auxiliary light available to date. With temperature sensing circuitry, the light unit will regulate between 80-100% power to prevent damage and keep the LED optimized for the environmental conditions. With no airflow the temperature sensors will automatically dim the light roughly 10%, virtually imperceptible to the eye. This temp sensing circuitry was developed to help protect the customers investment.

- 50,000+ hour life span
- Available in spot, flood, combo
- Zero UV Emissions
- IP68 rating
- No Hot spots
- No Vibration or bouncing beams
- 100% optically clear lens
- No Warm up, Instant on/off
- 20 degree flood pattern
- 10 degree spot pattern
- Unbreakable Lexan Lense
- All Aluminum housing
- Durable Powdercoat Finish
- Sealed Connector
- Plug and Play Wiring Harness with Switch
- 10 - 50v DC input
- Off Road Use Only

**1300 Lumens  
15 Watts**



90° Adjustable Mounting Bracket



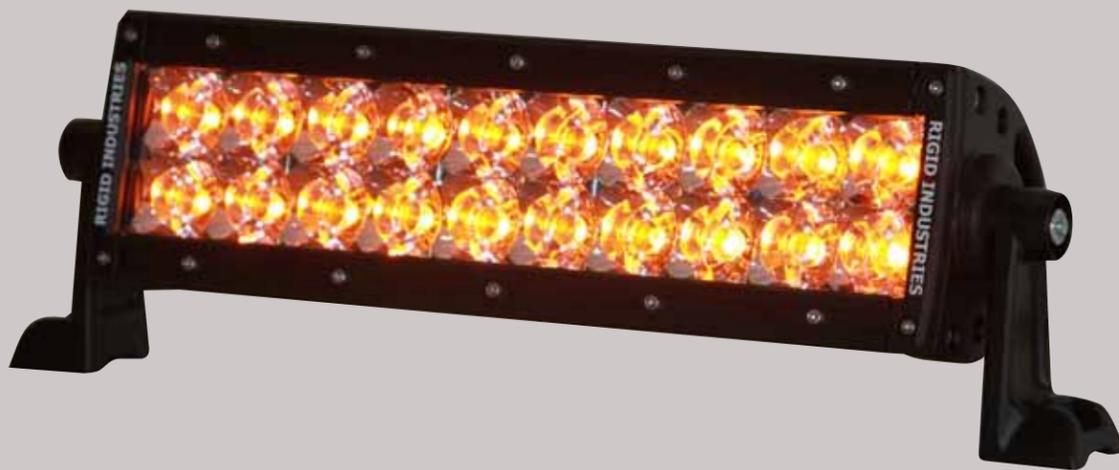
- Compact, but powerful, the Dually LED draws only 15 watts and produces 1300 lumens of efficient light
- Perfect for motorcycles, reverse lights or anywhere extra light is needed
- Uses patented hybrid optics – spot or flood pattern available
- Harness and mounting hardware included, 90 degree adjustable mounting bracket
- Standard colors white and amber, red, blue and infrared available



The Amber Series from Rigid Industries is another industry first. Using Amber LED's along with our Patented Hybrid Optics, we have brought you the ultimate adverse weather LED light. The amber light is non-reflective and will cut through the harshest conditions. It is ideal for increasing visibility in Dust, Fog, Snow, Smoke, and Rain. All Amber Series lights carry the same limited lifetime warranty.

"I was extremely impressed with our new RIGID LED's. They worked awesome, and they were such a difference compared to HID's. We used two 20" ambers on our bumper and two 50" white on our roof. It was really cool to turn off the top lights and be able to see in the dust with the new E-Series Amber Lights."

Robert Pickering • RFS Motorsports  
Team Owner/Driver Class 7  
2009 M.O.R.E. MDR 200 Night Race



### Advantages

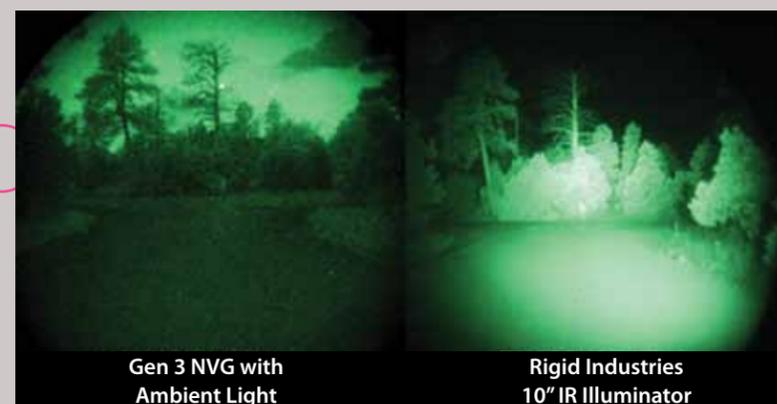
- Reflector patterns available in spot, flood or combination
- 50,000+ hours average life span – over 6 ½ years of continuous use
- 94% optical/reflector efficiency
- 9-32 Volt DC Input
- 100% optically clear – AR1 coated polycarbonate lens
- Instant on/off, no warm-up
- Operating Temp: -40 ~ + 145 deg. F
- Shock proof
- Limited Lifetime Warranty
- Oversized heat sink
- Low power consumption
- IP68 Rating
- Zero UV Emissions

### Specifications (E= Flood, P = Spot, PE = Combo)

Model	Alt ID	Length	Watts	AMP Draw	LED's	Distance
RGDL04AMB	10412	4"	13.8	1.02	8	180'
RGDL04AMB	10411					
RGDL06AMBE	10612					
RGDL06AMB	10622	6"	20.7	1.53	12	240'
RGDL06AMBPE	10632					
RGDL10AMBE	11012					
RGDL10AMB	11022	10"	34.5	2.56	20	300'
RGDL10AMBPE	11032					
RGDL20AMBPE	12032	20"	69	5.11	40	750'
RGDL30AMBPE	13032	30"	103.5	7.67	60	1000'
RGDL40AMBPE	14032	40"	138	10.22	80	1500'
RGDL50AMBPE	15032	50"	172.5	12.78	100	2000'

## IR TECHNOLOGY

The Rigid Industries infrared illuminator brings a new level of efficiency to the world of IR illumination. With close to 400mw of radiated energy per watt of power consumed there isn't an IR illuminator that can come close to the distance projected. Add to that our legendary "bulletproof" housing and you get an illuminator that can handle any situation, anywhere in the world. These lights have a lower heat signature than any other IR light source. Available in any length from our Dually up to a 50" all IR light. Also available in combo packages, go from white/amber to IR with the flip of a switch. Rigid Industries IR is the ultimate in durability, versatility and efficiency.



Gen 3 NVG with Ambient Light

Rigid Industries 10" IR Illuminator

"By far the best advancement in infrared illumination we have seen."

DHS - U.S. Border Patrol

### Specifications

- 850 nm Wavelength
- 9 - 32v DC Input
- 6063-T5 Aluminum Housing
- Unbreakable 100% Optically Clear Lexan Lens
- 50,000+ Life Span
- No Heat Signature
- Low Power Draw



NAVY



## VICTORY SERIES

The Victory Series is the ultimate in LED light. We can build a bar to do just about any combination of light. As the manufacturer of high quality US made LED products, we can have our custom shop make any combination of light.

We can do everything from Red/Blue flashers with white in the middle to everything in between including Red/Blue/Amber/White or even Infrared LED's. Can also be manufactured without flashing capability. You can have an amber for fog/dust and white (or IR/White) all built into the same unit for ease of mounting and wiring.



- Available in White or Amber
- Red/White/Blue or Amber/White/Amber
- High power LED spot light and flashers built into one unit.
- Can be built in any combination of any color LED.
- Available in Infrared and White or Amber



# FLASHLIGHTS

# AVIATION HID

## Diablo 900 Lumens

### Diablo RGDFLL5LED - Ait ID 30110

Our brightest flashlight available. Utilizing a total of 5 LED's for the ultimate beam pattern. This flashlight puts out a true 900 lumens of light in a very tight spot pattern. Usable light is projected to approximately 2000'. Comes with 2 (18650) rechargeable batteries and a wall charger. Constructed of an all-aluminum housing with a lexan lens. Great for hunting, on boats, cars or UTV's where light projection is critical.



Full Charge run time - 2 hour 35 min

Dimensions: Head Diameter - 2.1",  
Length - 9.1", Weight - 13.4oz

## Halo 700 Lumens

### Halo RGDFLLP7 - Ait ID 30120

Our best all around flash light. Utilizing a 10W LED combined with an all aluminum reflector this is a great all around flashlight. Nice wide light pattern but still enough throw, 1000' on the highest setting. Comes with 1 (18650) rechargeable battery with a wall charger. About the same length as a Mini Maglite but almost 10x the light output.



This Flashlight has 5 modes:  
1. Medium - always starts on this setting, approx. 500 lumens.  
2. Low - 200 Lumens.  
3. High - 700 Lumens.  
4. Strobe  
5. SOS Strobe in Morse Code.



### RGDLMR50SET

50W MR16 HID Lights. Experimental Aircraft HID set. Utilizing our digital ballast, these lights will drop right into any Van's Aircraft wingtip lights or Glstar Sportsman. The 50W set will give you almost 4000 Lumens compared to a stock 75W bulb putting out 1800 lumens of light per wingtip while drawing 20W less per side than the stock lights. Kit includes two MR16 bulbs ( Taxi or Landing beam ), two digital ballast, wiring pigtails and installation instructions.

### RGDL4AC50

A standard PAR36 reflector with a 35W or 50W HID Bulb. They will drop into any application that takes a GE4509 or equivalent. You will still get 3 times the light with 50% of the power draw from either the 100W or the 150W bulb. Kit includes one bulb and a new reflector ( Taxi or Landing beam ), one digital ballast, wiring pigtails, hardware and instructions.

# HID REPLACEMENT KITS



Rigid Industries HID kits are 100% plug and play using OEM connectors for quick and easy installation. We use the same aircraft digital ballast in every kit for low startup draw and almost no RFI emissions ensuring crystal clear stereo's and communication radios.



**Yamaha Rhino**  
2006 6000K Kit  
2007+ 6000k Kit  
2007 Hi/Lo HID Kit  
HID Ballast mounting plate

**Polaris RZR & Ranger**  
2011 Hi/Lo HID Kit  
2008+ 6000K HID Kit  
36" HID Ballast wire extensions  
(Recommended for Ranger Only)

**Kawasaki Teryx**  
HID Single 35W 6000K Kit  
Hi/Lo using Halogen Low Beam  
Hi/Lo HID kit

**Arctic Cat Prowler**  
6000K HID Kit

**General Replacement Kit**  
35W 6000K, Fits most ATV's

**OEM GMC-Chevy-Ford**  
35W HID 6000K Fog light replacement

# MOUNTING ACCESSORIES



## Clamps

Our 3 piece adjustable clamps are the perfect way to mount your new light-bar to virtually any size tubing from 1" to 2". The sleek design allows for easy installation and is extremely versatile in positioning your light. Machined from aircraft aluminum, anodized in black for a durable finish - Stainless steel hardware included



### 3 Piece Adjustable Clamp Systems

Tubing Size	Part #
1"	41020
1.125"	41120
1.25"	42520
1.50"	45020
1.625"	46220
1.70"	47020
1.75"	47520
1.875"	48720
2.0"	42020

## Cradles

Cradle mounts are an alternate option to mount your light to existing tabs, flat surfaces, or anywhere traditional mounts won't work. Powder coated black for a durable finish, mounting your light just got easier. Hardware included



### Cradle Mounts

Light Size	Part #
4"	40410
6"	40610
10"	41010
20"	42010
30"	43010
40"	44010

## ATV Mounts

**RGDATVMT10 (10") & RGDMT6 (6")**  
Universal 6" and 10" ATV mounts that fit nearly all ATV's that have DC voltage batteries. Easily mounts and can use OEM electrical systems.



# ACCESSORIES



## RV LED

**RVLED 3 (315 Lumens) & RVDLED 6 (450 Lumens)**  
The Rigid Industries RV led retrofit kit. Comes with your choice of adapters to replace 1141, 1156, 3156, 921 and BA9's. Life span on these lights is an amazing 50,000 hours while drawing only 3W / 4.5W. Using 90% less than the bulbs they replace while still producing over 315 / 450 lumens of light. Great for saving battery power in RV and travel trailers.



RVDLED 6

RVDLED 3



## Dome Light

Billet housing with our warm white 12 LED board. Comes with installation hardware. Produces 300 lumens. Available in white, red, blue, green, and amber. Coped for tube mounting.



## Light Cover

**RGDCVRB10 (black) & RGDCVRC10 (clear) & RGDCVRA10 (amber)**  
Modular design allows for protection for your E-series lights ranging from 4" - 50". Available in black, clear, and amber.

Note: Cover must be cut for 4" & 6" models.



## Security Kit

**RGDSEC20**

Protect your Investment with spanner nuts and driver for E-Series end mount bulbs.



## Weldable Tabs

**RGDWT1 (flat) & RGDWTR2 (round)**

Your choice of flat surfaced or 3/4" radius.

# OE APPLICATIONS

## Ford Raptor

Rigid Industries takes lighting options for the Ford Raptor to new levels. With the existing LED lighting Ford utilizes we thought it would be a natural fit for the offroad lights to match.

With incredible efficiency and light output, our E-Series LED lights have set the bar for offroad lighting. All of our systems run off of the Raptors Upfitter Switch system, coming with detailed instructions for not only installing our lights, but wiring your stock switches.

## Raptor Fog Kit-4400 lumens

Dually LED Fog light kit, mounts in existing fog openings in the lower corners of the bumper utilizing aluminum mounting plates. Two lights per side, your choice of white or amber color, and spot or flood pattern. Wire harness, mounting brackets and all necessary hardware included for installation of our systems run off of the Raptors Upfitter Switch system, coming with detailed instructions for not only installing our lights, but wiring your stock switches.



## Raptor Lower Grill Kit-7200 lumens

Lower Grill 20" E-Series kit, mounts in existing lower grill opening. Simply remove the lower grill(5 screws) and install our bracket/light kit. One single 20" light, your

choice of white or amber color. Our 20" E-Series has a combination of spot and flood reflectors for an excellent light pattern up close and in the distance. Wire harness, mounting bracket and all necessary hardware included for installation.

## Raptor Lower Grill Kit-2880 lumens

Lower Grill 8"(two 4" LED Lights) for states requiring a front license plate. This system mounts a 4" E-Series LED light on either side of the license plate in the lower grill area. Two 4" lights, your choice of white or amber color, and either spot or flood reflector patterns. Wire harness, mounting bracket and all necessary hardware included for installation.



## Raptor Upper Grill Kit-14400 lumens

Upper Grill 40" light mounts behind upper grill. This version mounts to existing mounting holes on either side of the inner frame assembly. 40" E-Series, your choice of white or amber color, comes with a combination of spot and flood reflectors for optimum light coverage. Wire harness, mounting brackets and all necessary hardware included for installation.



# OE APPLICATIONS

## Toyota FJ



Rigid Industries is proud to announce the release of their latest OE application for the Toyota FJ Cruiser. Light up your FJ with 14400 lumens of the latest LED lights available from Rigid Industries. Bolting directly to the vehicle utilizing existing bolt holes in the roof rack the FJ Bar carries a 20" E-Series in the center and one 10" E-Series on each side. Black Krinkle coat (matches stock roof rack).

## Ford F- Series

Rigid Industries has just released their latest Ford F150 OE product with a bolt in Offroad Light application. Using existing real estate on the front of the truck Rigid has come up with a mount system for a 20" E-Series LED light, fitting right into the stock lower bumper opening. This black powdercoated steel bracket bolts into place by drilling 2 small holes that are out of site if the light is removed.



## Jeep

The Jeep JK has reached cult status among the masses as of late, just like the TJ did in the ninety's and early 2000's. Rigid Industries has just offered an E-Series LED Light mounting option to their list of OE applications.



## 50" E-Series LED light

A 50" E-Series LED light(RGDL50PE) attaches to either side of the A-pillars, into existing bolt holes, using their new black powder coated steel JK Brackets. Producing over 18000 lumens with a combination of spot and flood reflectors make this universal light package something every avid Jeeper can use. Available for Wrangler JK(2 and 4 door) and TJ models.

Part#JK-Jeep-RGDJK50  
(2007-2010)Jeep JK  
(1997-2006) Jeep Wrangler(specify TJ when ordering)

Rigid Industries is always adding to the OE line of LED lighting. Please check [www.RigidIndustries.com](http://www.RigidIndustries.com) for new models and information.



**RIGID INDUSTRIES**

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