

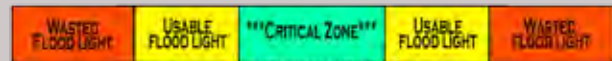
Why Do Optics Matter?

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!

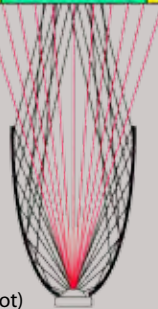
Rigid Industries SPECTER Optic

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)



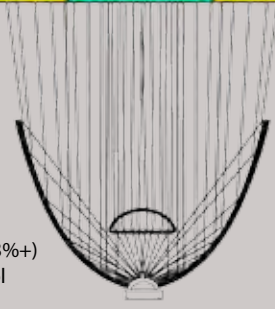
Rigid Industries Hybrid Optic

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.

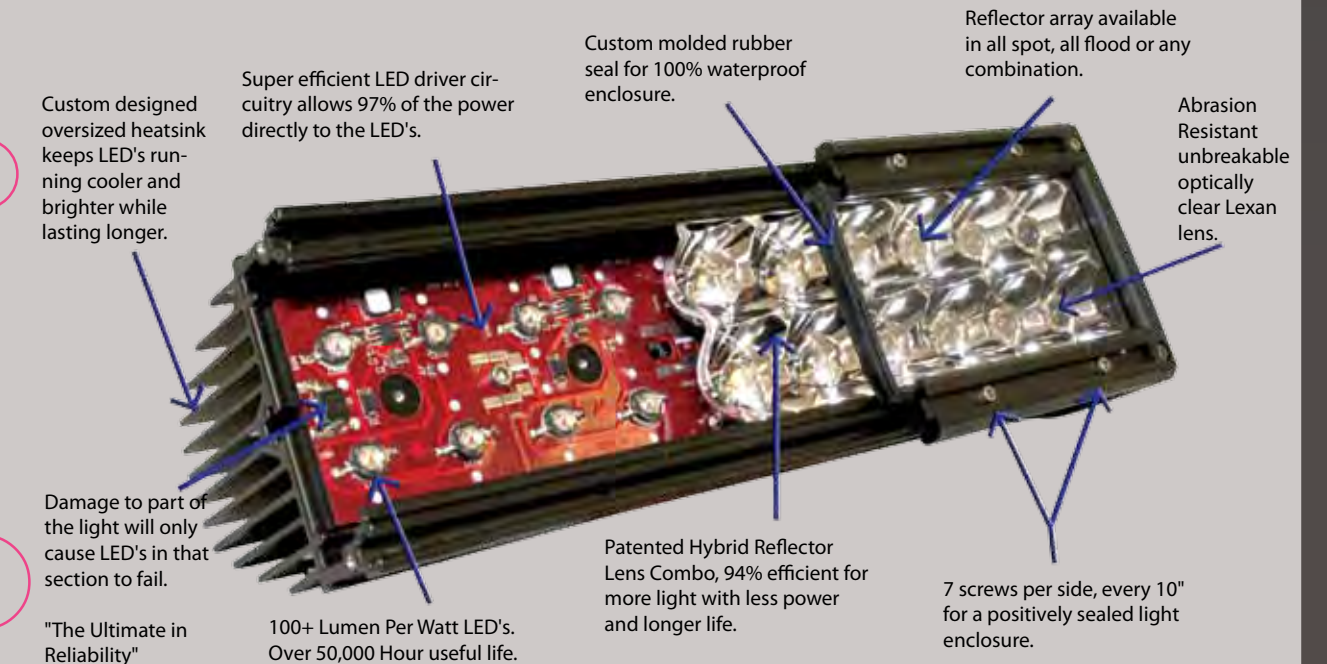


Advantages

- 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.



- 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

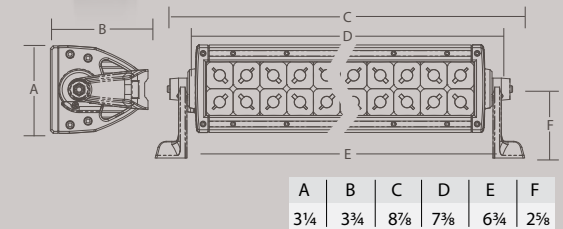
"We have had limited night racing experience at MGI. However our business takes around the world and around the clock. We deal with many different types of lighting and prefer the solid, clean light that the Rigid's give us. They have proven extremely reliable and contribute to much less driver fatigue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

Adam Bosch #121 MGI Motorsports,
Class1 Unlimited
President MGI Motorsports

6" E Series - RGDL06



Technical Drawing



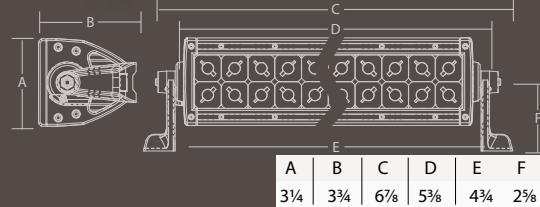
Specifications (E= 20° Flood, P = 10° Spot, PE = Combo)

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



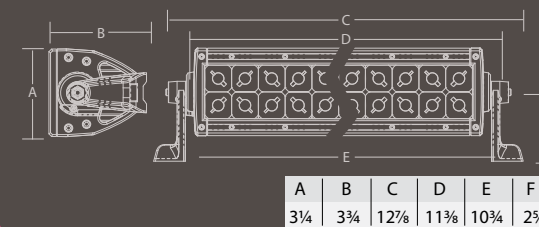
Specifications (E= 20° Flood, P = 10° Spot)

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

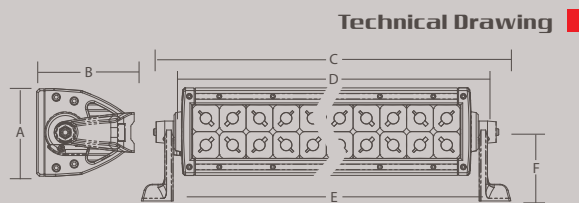
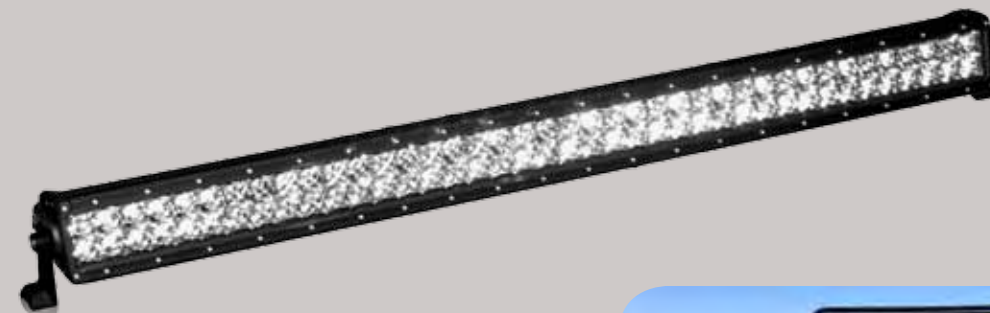


Specifications (E= 20° Flood, P = 10° Spot, PE = Combo)

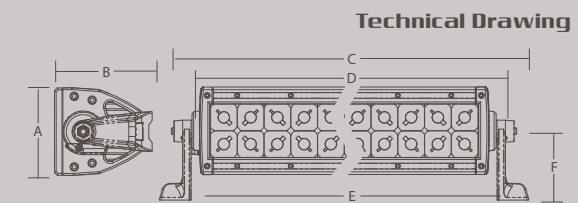
Model	Alt ID	Length	Watts	AMP Draw	LED's	Lumens
RGDL10E	11011	10"	39	2.89	20	3600
RGDL10P	11021					
RGDL10PE	11031					

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)

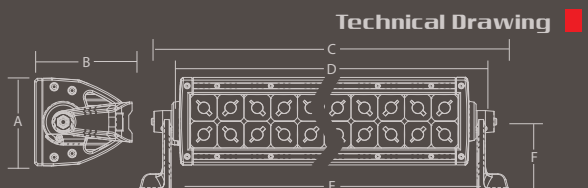
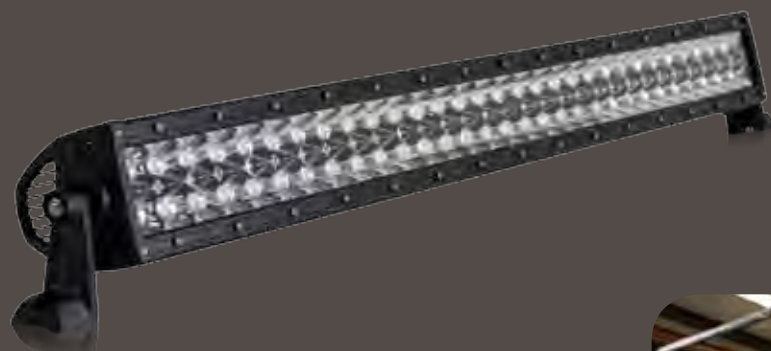
Model	Alt ID	Length	Watts	AMP Draw	LED's	Lumens
RGDL20PE	12031	20"	78	5.78	40	7200

Specifications (PE - Combo)

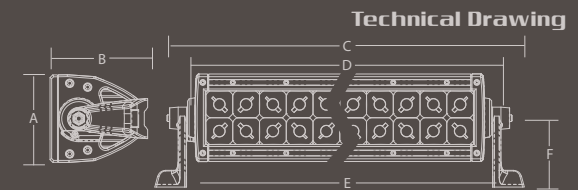
Model	Alt ID	Length	Watts	AMP Draw	LED's	Lumens
RGDL40PE	14031	40"	156	11.56	80	14400

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

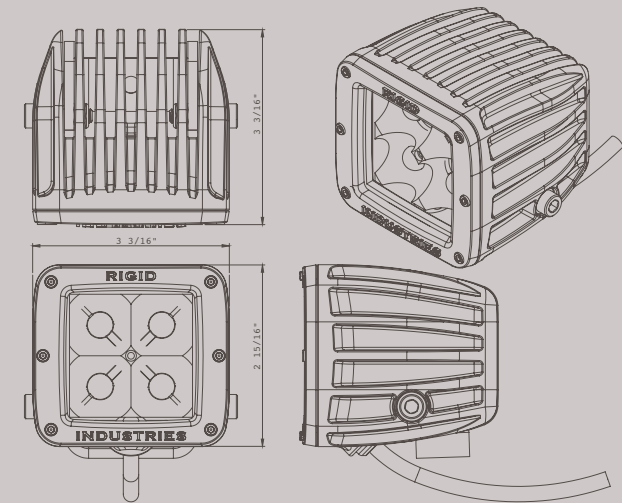
Dually D²

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

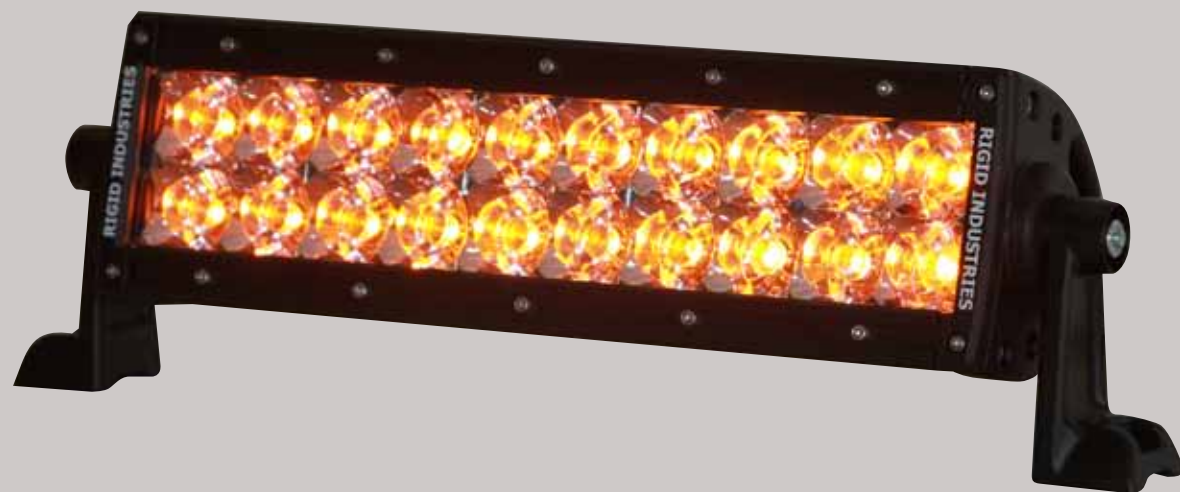


- Compact, but powerful, the Dually LED draws only 15 watts and produces 1300 lumens of efficient light
- Perfect for motorcycles, reverse lights or anywhere extra light is needed
- Uses patented hybrid optics – spot or flood pattern available
- Harness and mounting hardware included, 90 degree adjustable 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'
RGDL04MBP	10411					
RGDL06AMBE	10612					
RGDL06MBP	10622	6"	20.7	1.53	12	240'
RGDL06MBPE	10632					
RGDL10AMBE	11012					
RGDL10MBP	11022	10"	34.5	2.56	20	300'
RGDL10MBPE	11032					
RGDL20MBPE	12032	20"	69	5.11	40	750'
RGDL30MBPE	13032	30"	103.5	7.67	60	1000'
RGDL40MBPE	14032	40"	138	10.22	80	1500'
RGDL50MBPE	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



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

