Product Specification

The iconic driving light has been reborn, incorporating the latest optic and LED technology, with subtle styling updates, the ARB Intensity V2 (Version 2) has pushed the limits of driving light technology once again.

The new release of the Intensity V2 uses the same optimal chassis design of the current Intensity light, yet incorporates the latest in LED technology using OSRAM GIANTS. Our spot configuration has advanced optics via the latest Hyperspot™ technology. Further refined design for our flood configuration extends the floods ability to drive light further down the road, as well as spreading the light in front of the vehicle. This can only be achieved by dedicated flood and spot driving lights.

Hyperspot™ is a refined optic used to focus and intensify the light output and drive the LED OSRAM GIANTS at amazing distances down the road while keeping clarity and controlling the beam pattern to the correct area on the road. This is achieved without spilling light into areas not required or fore filled by the flood configuration. Pumping a heap of power into a light and getting great distances down the road is all well and good, but if the light is not controlled and focused to the areas required for the natural eye to see, then the power is ultimately wasted.
Additional updates to the Intensity V2 lights is the LED’s. Intensity V2 lights have changed to use the OSRAM GIANTS which is a large LED chip that provides an amazing amount of light output. One of the advantages of the OSRAM GIANTS is the amount of power that can be driven into the LED. This has caused a change in the amount of power used for the new V2 lights. Power has been pushed to 165W per light for the AR32’s and 105W for the AR21’s and we still haven’t MAXED out the LED. This produces a massive 20,000Lumens of raw light output for the AR32’s and a huge 13,170Lumens for the AR21’s. Raw lumens is great, but harnessing that power and using it effectively comes back to the precision engineered optics in the ARB V2 Intensities.

The new V2 driving lights power draw requires updates to the current loom. Harnessing and supplying increased power required a dedicated harness with high current wiring and components designed to handle up to 40 amps. Designing this loom to handle 40amps allows an increased safety in regards to temperature and voltage/current requirements to drive the Intensity’s to their max, even when powered for an extended periods. Coupled to the new Intensity V2 driving light loom, is the two pin DTP connectors with updated over molded connectors. Another update to improve fitting time and reduce problems is a plug and play H4 and HB3 waterproof connectors included with the V2 loom.

Active thermal management of the temperature created by LED’s has always been a feature of the ARB intensities. Never compromising on quality, intelligent thermal management in the LED’s and PCB board has always been at the forefront of the design of the lights. Maximising cooling via the die cast aluminum body acts as a massive heat sink and allows the dissipation of heat from the LED’s quickly to keep them running at maximum performance. ARB intensity lights are designed to maximise the output in all driving conditions.

Distance at 1 lux is the most widely used method of measuring driving lights performance, V2 Intensity lights throw a great distance down the road that can be seen with the natural eye. A single AR32 Spot in the V2 update provides 795m which is a 35% increase in light performance of the current intensity spec while the single AR32 Flood in the V2 update provides 677m of light performance with up to a 18m spread on each side of the vehicle. Single AR21 Spot in the V2 update provides 693m which is over the 35% increase in light performance of the current intensity spec while the single AR21 Flood in the V2 update, provides 555m of light performance with up to a 18m spread on each side of the vehicle. Also updates to improve the warmness of the light output as well, helps reduce eye strain over long driving periods and improves driver comfort and assist in reducing fatigue.

Refining and updating the look of the Intensity V2 Driving lights, included black PCB boards to create a deep look into the lights. It offers a more appealing visual appearance. A lot of work has gone into improving the paint on the Bezels of the ARB Intensities with a new paint supplier used and also a unique specified paint to exceed current automobile
requirements for paint UV resistance. The new ARB Intensity brackets have a new V2 logo providing subtle updates.

The ARB Intensity V2 are a welcomed update to an Iconic Australian driving light, producing clean crisp light with refined colour temp on the LED that helps reduce eye strain and fatigue on long distance driving and reaches amazing distances down the road to improve safety in driving on our long vast highways. With the new updates to the ARB Intensity V2 driving lights, spot and flood combinations are excellent choice to provide good lighting for distance as well as width. Continuing a tradition of never compromising, superior grade electronics and LED’s, first class active thermal management, new grades of paint finishes for the bezels, and optimized lens and optic configurations, the ARB Intensity V2 driving lights continue to sets standards in vehicle lighting.

Photometric Data Testing. (single light testing)

**AR32S – V2**

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**AR32F – V2**

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**AR21S – V2**

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Dual Driving light Configuration

1. Dual AR32V2 Spots – 1310m
2. Dual AR21V2 Spots – 1050m*

Features:

• High pressure cast aluminum body
• Virtually indestructible polycarbonate lens
• Hard-Coated, durable poly carbonate protective cover
• 32 or 21 high powered OSRAM® square LED’s
• Hyperspot™ LED technology for spot configurations
• 50,000hrs lifespan
• Gore-Tex® breather with pressure tested seals
• Reverse polarity voltage protection
• MIL810-STDG vibration certified (Exceeds Military spec)
• ROHS compliant
• Dust and waterproof to IP68
• Submersible to 3M
• Over and under voltage protection
• Integrated Intelligent thermal management system
• Protected against radio frequency interference (RFI) and electromagnetic (EMC) interference
• Multi position stainless steel mounting brackets.
• Deutsch DTP connector
• 3000hr Automotive paint testing
• Suitable with ARB wiring loom – Part No# 3500480

Technical Specifications – AR32V2

• High output OSRAM® square LED’s
• 20,000 Raw Lumens for the AR32V2 spot and Flood.
  • 7,450 Effective Lumens – Spot
  • 13,680 Effective lumens – Flood
• 10-36 Voltage spectrum
• 165 watts of power
• 11.5A @ 14.4V
• 1 Lux @ 795m spot and 1 Lux @ 677m Flood
• Dual Spot – 1300m+
• 6 degree Spread for Spot and 7.5 degree spread for Flood
• Input Cable Length – 450mm
• Operating Temp -40C to 63C (Tested to Exceed 90C)
- 5700K Color Temp
- 3.1Kg
- High Pressure Cast Aluminum Body
- Active thermal management control
- Dimensions - 220.5mm (8.7") x 245mm (9.7") x 119mm (4.7")
- Warranty 2 years

Driving lights Include - 1 x Spot Light or 1 x Flood Light
- 1 x Clear Cover
- 1 x Stainless steel mounting bracket
- 1 x Mounting hardware kit

*Further testing being done to provide a higher accuracy in distance

**Technical Specifications – AR21V2**
- High output OSRAM® square LED’s
- 13,170 Raw Lumens for the AR21V2 spot and Flood.
  - 5,760 Effective Lumens – Spot
  - 9,100 Effective lumens – Flood
- 10-36 Voltage spectrum
- 105 watts of power
- 7.3A @ 14.4V
- 1 Lux @ 693m spot and 1 Lux @ 555m Flood
- 6 degree Spread for Spot and 7.5 degree spread for Flood
- Input Cable Length – 450mm
- Operating Temp -40C to 63C (Tested to Exceed 90C)
- 5700K Color Temp
- 2.5Kg
- High Pressure Cast Aluminum Body
- Active thermal management control
- Dimensions - 190.5 (7.25") x 212.5 (8.2") x 115.6 (4.6") (D)
- Warranty 2 years

Driving lights Include - 1 x Spot Light or 1 x Flood Light
- 1 x Clear Cover
- 1 x Stainless steel mounting bracket
- 1 x Mounting hardware kit

**Packaging Dimensions**
AR32V2 - 220 X 245 X 119mm
AR21V2 – 190.5 X 212.5 X 115.6mm
# Pricing and Barcodes

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