



# **PURSUIT™**



**/// CODE 3®**



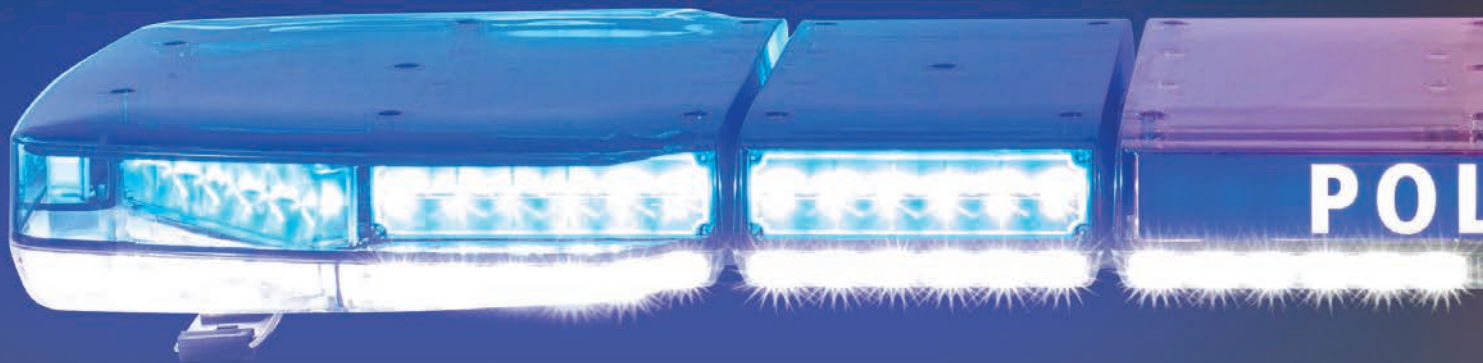


# PURSUIT™

State-of-the-art LED technology meets spectacular industrial design in the 25 Series Pursuit™ lightbar from Code 3®

The Code 3 25 Series Pursuit lightbar was designed from the ground up, completely re-imagining what an emergency lightbar should be. The Australian Code 3 team have created all new ProAxis Optics LED light heads with industry-leading light output, unique integrated LED alley, taken down and scene lights, plus a beautiful curved form factor that sits naturally and attractively atop the curved roof of modern emergency vehicles.

The HazCAN network provides power and data to the Pursuit lightbar and other compatible devices while requiring only a compact four-wire harness—regardless of the number of functions.





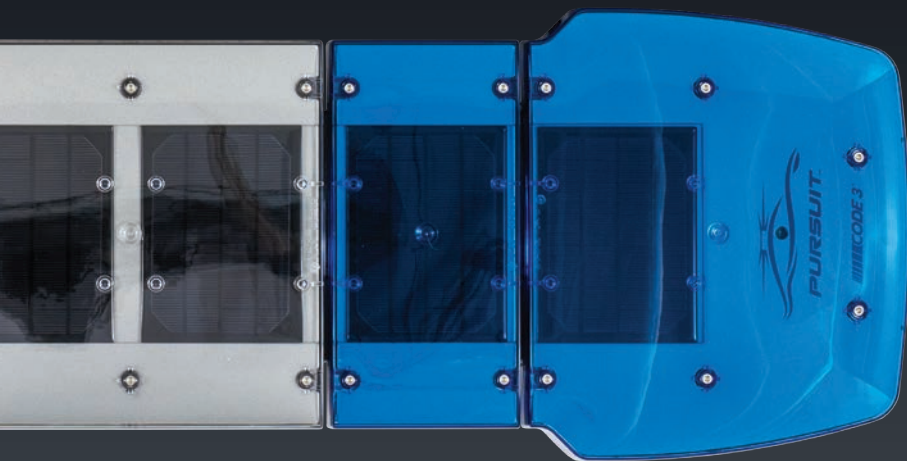
#### Features

- Modular chassis construction
- 100% solid-state design
- Encapsulated control electronics
- Multi-voltage (10–30V) operation with class-leading EMC performance
- Serial HazCAN network control: thin, flexible wiring harness
- Integrated lens sealing system
- ECE R10, CISPR 25, RCM, SAE J845 Environmental, SAE J575 Vibration, IP66

#### Options

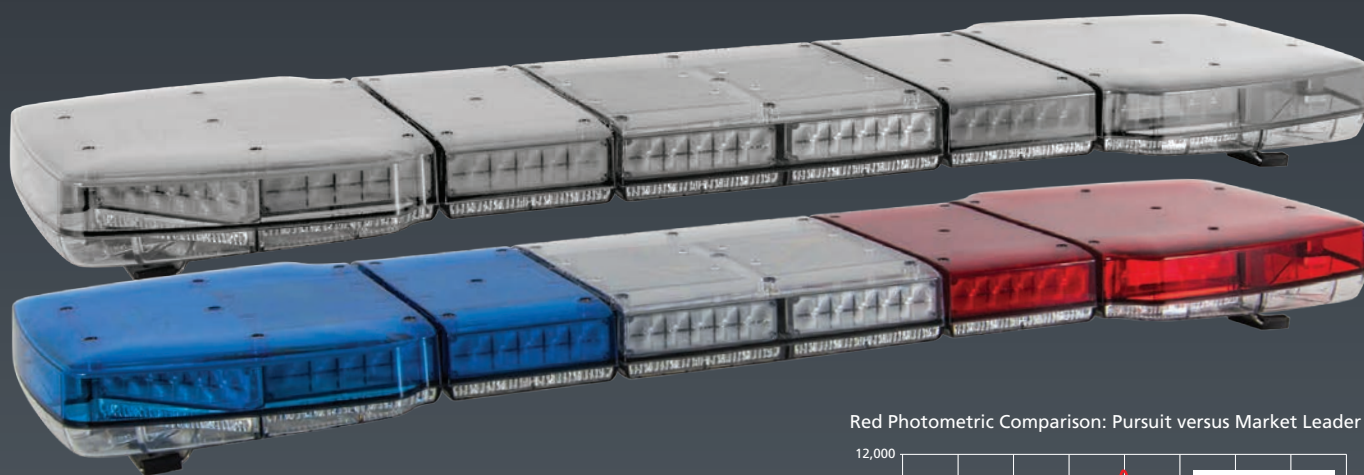
- Single colour upper light heads in red, blue or amber
- Internal illuminated sign module (protected from weathering)
- Powerful lower level white scene lights
- Lower level integrated traffic advisor
- Integrated solar panels for vehicle battery maintenance
- Coloured upper lens options that are independent of the lower scene lighting and traffic advisor
- Lengths: 750mm (30") to 1800mm (70") in 150mm (6") increments





Designed from the ground up without compromise as a solid-state LED lightbar, the Pursuit™ uniquely incorporates two levels of lighting in a low-profile chassis.

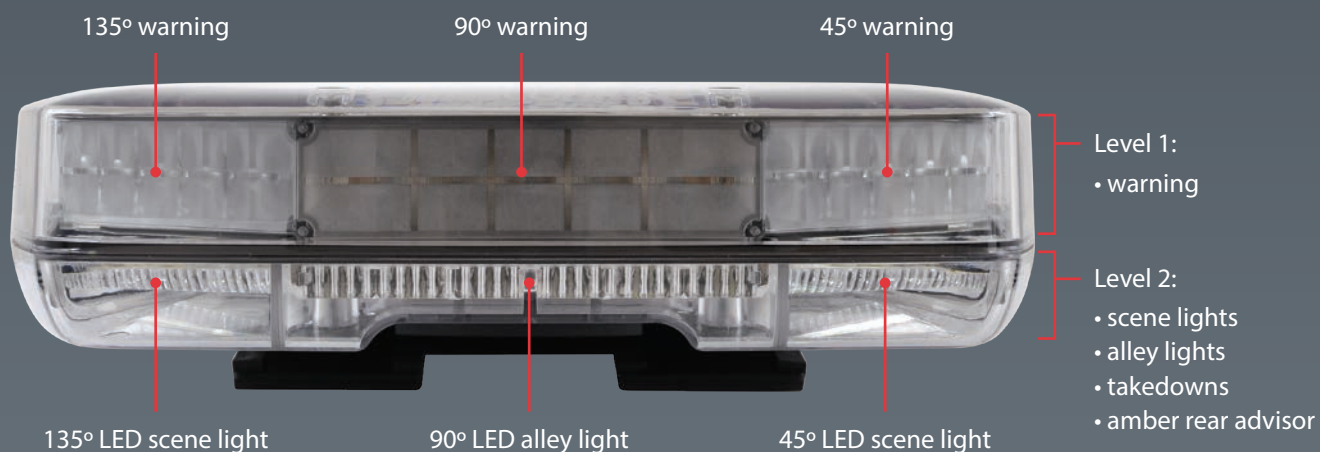
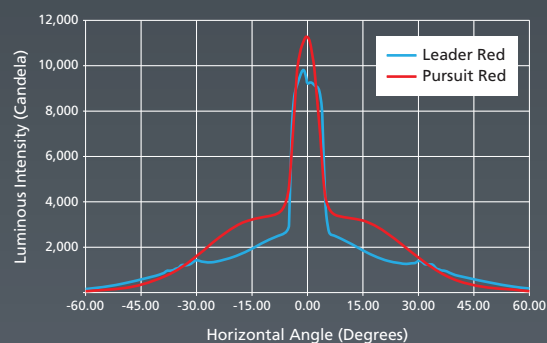
Full size upper level light heads provide uninterrupted 360° warning coverage, while dedicated lower level heads facilitate scene lighting and traffic director functions. Incorporating a patent pending diamond tooled lens array with cutting edged diffractive optics, the Pursuit light heads offer class-leading performance and efficiency.



With warning light output that exceeds the current market-leading lightbar, the new Pursuit LED light heads produce up to 50% more luminous intensity over a wider horizontal viewing angle range.

The Pursuit lightbar design allows for a full 360° warning signal, plus 360° scene lighting.

Red Photometric Comparison: Pursuit versus Market Leader





#### ProAxis Optics LED light heads

- Large emitting surface optimised for warning signal
- Two-stage optical system with a patent-pending diamond tooled lens array with cutting edge diffractive optics
- Low LED junction temperature with high reliability
- Multi-voltage high efficiency LED PCA (10–30V)



#### Integrated LED scene lights

- Powerful lower level white LED scene lights provide up to 360° of illumination
- Individually switchable (left, right, front, and back) for use as alley lights, take down lights, work lights or scene lights
- Also provides puddle lighting close to the vehicle



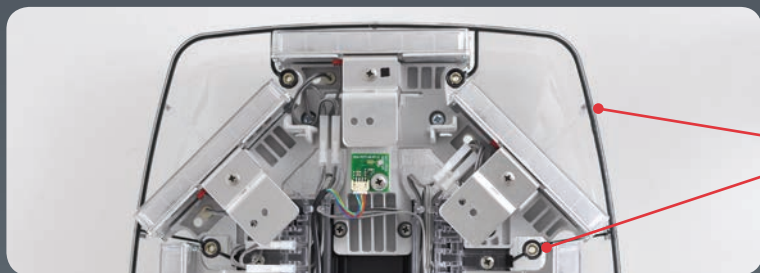
#### Integrated traffic advisor

- The sequenced LED switching creates a smooth visual animation effect
- Eight directional patterns are available
- Amber LEDs can also be configured to flash in conjunction with the upper level warning patterns
- Lower level LEDs unaffected by upper lens colours



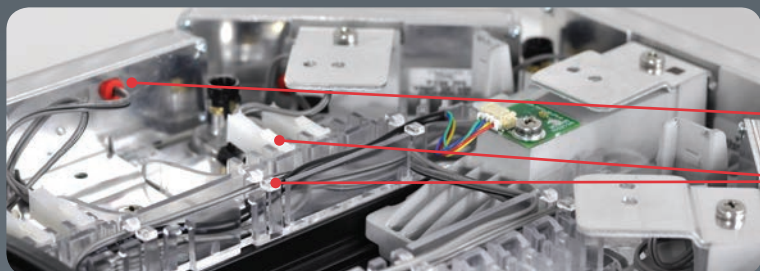
#### Internal illuminated sign

- The 300mm illuminated sign mounts inside the lightbar, protecting it from the elements
- Optimised white LED backlighting with no dark spots
- The graphics are located on the inside of the lens, protecting them from dirt and damage
- Black, blue or amber background; optional mirrored text



#### Unique over-moulded sealing system

- The sealing system is an over-moulded seal that is created as part of the lens during manufacture
- The over-mould seals the outer edge of the lens, plus replaces O-rings which are prone to damage
- Each membrane vent in the bridge allows the lightbar to breathe and equalise pressure



#### Internal features

- Silicon encapsulated control electronics
- Colour-coded grommets allow for instant identification of light module output colour
- Wiring channels and connector retaining clips keep all internals neat, organised and secure for a premium quality finished product

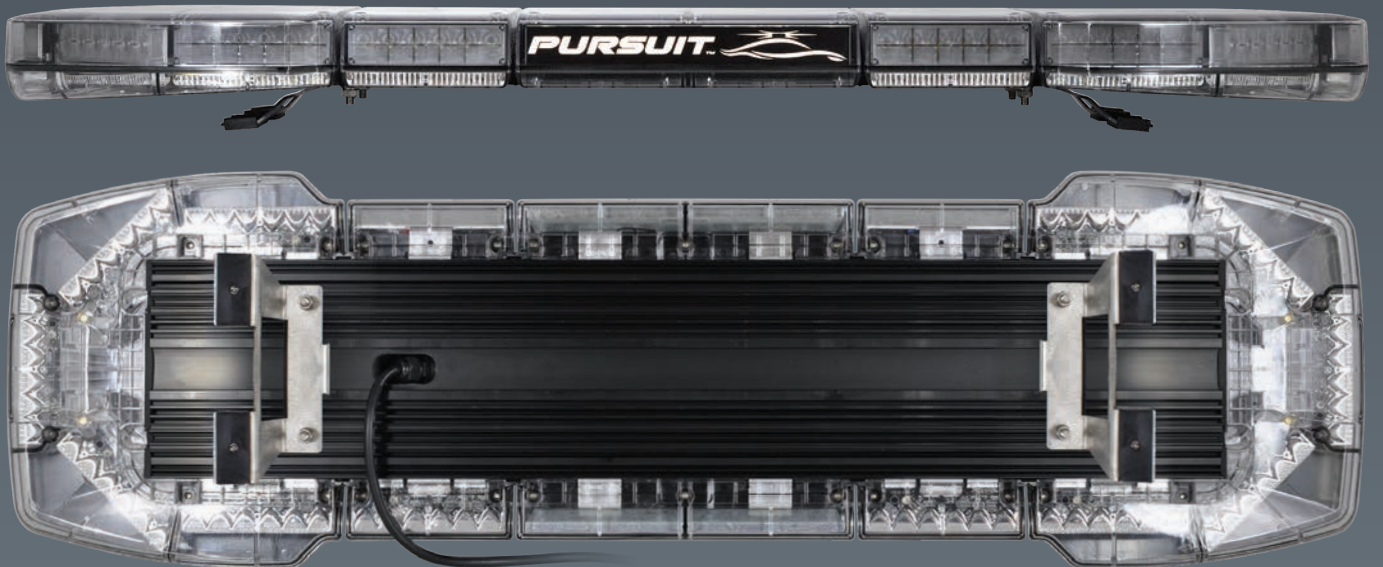




The Pursuit is designed to survive in the harshest of working environments—in particular the rugged conditions emergency services personnel have to work under in Australia.

The tough polycarbonate exterior lenses are fixed to a solid alloy chassis with stainless steel fittings. The LED systems are 100% solid-state, while the electronics are encapsulated for protection against vibration.

The integrated lens sealing system in conjunction with membrane vents protect the Pursuit lightbar from moisture, dirt and dust. The membrane vents in the bridge also allow the lightbar to breathe and equalise pressure. The cable gland in the base of the lightbar seals around the ultra-thin 10mm HazCAN power and data cable.



### Standard mounting feet

Standard mounting feet are available for the Pursuit lightbar that fit the length-of-the-bar mounting tracks, making installation easy for any roof or flat mounting surface.



### Vehicle specific gutter mounting hooks

Code 3 has over 150 vehicle-specific gutter mounting hooks available by order, to ensure hassle-free mounting and installation. The hooks are made-to-order, with existing designs delivered within a week, and new designs within two weeks.

Options include:

- Holden Commodore
- Ford Falcon
- Toyota Aurion
- Toyota Hilux
- Hyundai iLoad



### Networking and operation

The 10mm HazCAN cable is very easy to install and connects to the J-box as either four-core cable, or six-core cable for lightbars fitted with optional solar panels. The HazCAN network not only operates and controls the Pursuit lightbar, but can also operate certain accessories—such as the M5 matrix message display—using a single J-box and a four-wire HazCAN cable.



The HazCAN serial bus is able to provide both power and data to the M5 display and other compatible devices, using only a compact harness out of the lightbar—regardless of the number of functions involved.

By connecting to the hard wire inputs from the J-box, the Pursuit lightbar is also able to be controlled with a range of various Code 3 siren systems, or simply via a set of basic switches.





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ESG Asia Pacific

439 Boundary Road  
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**PURSUIT**<sup>™</sup>

Code 3 Pursuit<sup>™</sup> LED lightbar

 **CODE 3**<sup>®</sup>