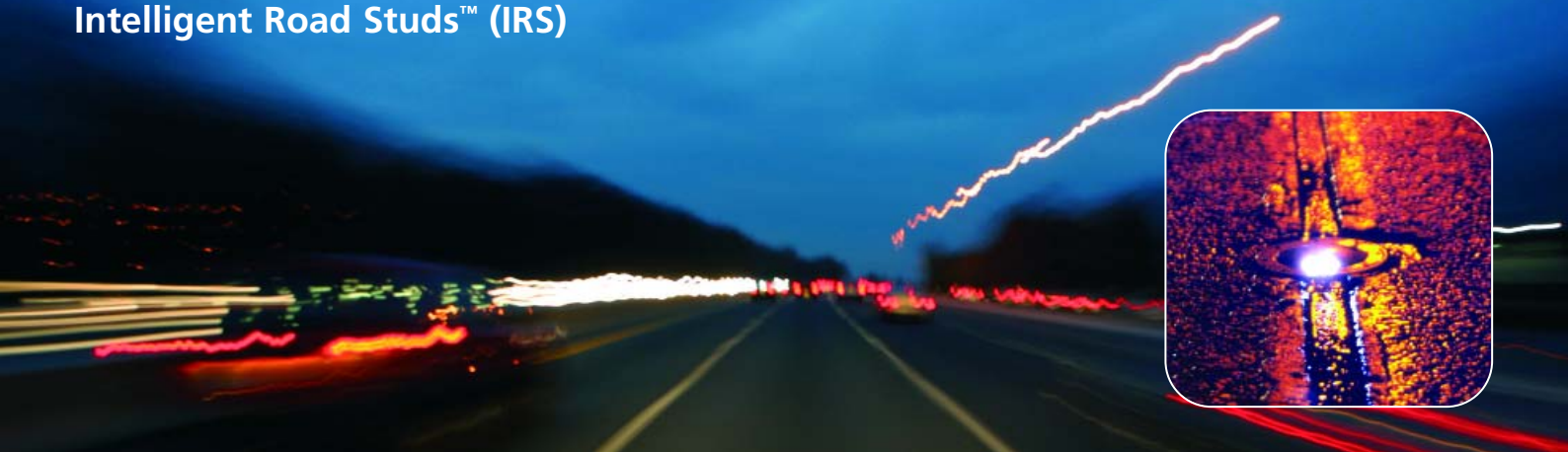




Hardwired Systems

Intelligent Road Studs™ (IRS)



Astucia are the creators of the 'Intelligent Road Stud' (IRS) which has been designed and developed to reduce accidents and increase safety for all road users.

Our Hardwired IRS Systems provide a flexible and innovative approach to traffic management. Designed to provide guidance and advance warning to drivers - night and day.

Whether it's for Dynamic Lane Marking or a Pedestrian Crossing System, Astucia's revolutionary Intelligent Road Studs are shaping the future of traffic safety by providing information to drivers directly from the road surface.

Key features

- Up to 1km (0.62 miles) visibility
- Modular design / upgradeable
- Programmable functionality
- Low maintenance
- Snowploughable
- Low power consumption
- Flush to the road surface
- Ease of installation
- Integration with and activation by 3rd party traffic control devices
- Solar power option
- Particularly effective in poor weather
- Clear reference points at ground level
- Pedestrian, cycle and motorcycle friendly
- Alternative to expensive street lighting



Applications

Dynamic Lane Marking Systems

- Lane Delineation and Control
- Tidal / Contra Flow - lane reversal (including one way systems)
- Congestion relief / reduction
- Optimisation of road capacity
- Toll and Terminal Plazas - such as for: bridges, tunnels, ferries, Tunnels and Airports

Crossing Systems

- Pedestrian Crossings (including Traffic Light Interface)
- Level / Railway Crossings)

Others

- Speed Control / Traffic Calming - by way of strobe sequencing
- Roundabouts - the highlighting of / and to indicate travel direction
- Lane Control - such as: use of hard-shoulder, bus / taxi lanes
- General Hazard Warning, Priority / Direction Indication & Traffic Management

Also available:-

For traffic guidance and hazard warning applications requiring an independent solar powered solution, please refer to Astucia's **SolarLite** range.

Specifications

Technology	LED
Power	Mains (solar option available)
Configuration	Uni-directional
No. of LEDs	14 (day and night), 5 (night only)
Standard Colours	Amber, Red, White and Green
Frequency	Constant or synchronised 2Hz
Control	Microprocessor Activated
Activation	Isolated closed contact
Power Consumption	1W
Road Placement	Flush (snow ploughable)
Projection	4mm (0.157)
Housing	Nylon 66
Water Ingress Rating	IP68
Temp. Rating	-40°C to +75°C (-40°F to +167°F)
Dimensions	Ø114 x 91mm (Ø4.48" x 3.58")
Weight	850g (30 oz)
Load Rating	Depressible

