



Visual & Audible Warning Systems

Product Catalogue



Brilliantly together

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A distinctive European provider of premium-quality Visual & Audible Warning Systems for the
Emergency Services and Public Utility markets.

Cell2 was founded in 2005. Our focus is on quality, outstanding service and JIT (Just in Time) delivery to customers. In the last decade, Cell2 has expanded internationally and now operates from two primary locations; Vigo (SPAIN) and Aylesbury (UK-headquarters). The two production facilities are integrated via WMS and ERP Systems allowing for greater efficiency when serving and supporting our customers. Cell2 also has numerous commercial offices and partners in other European countries, such as Italy, France, Austria, Portugal and Germany.

Our goal is to create a seamless working environment, together with JULUEN, to develop market strategies, technologies, products, services and full service solutions. We aim to expand our European Centres to facilitate full availability of the product catalogue and to improve communication, research & development, services and market strategies. We would like to ensure a fast and efficient service to the customer in all areas of visual and audio warning systems for emergency vehicles and for other projects.

We also aim to maximise efficiency in bringing the product to the market, from initial production to installation, through strategic import and export, inventory management, marketing, distribution, customer support and after sales support. We have up to date research and development data for new products by the accumulation of sound market knowledge and a clear understanding of user requirements at a local level.

We are honoured to be your partner of choice.

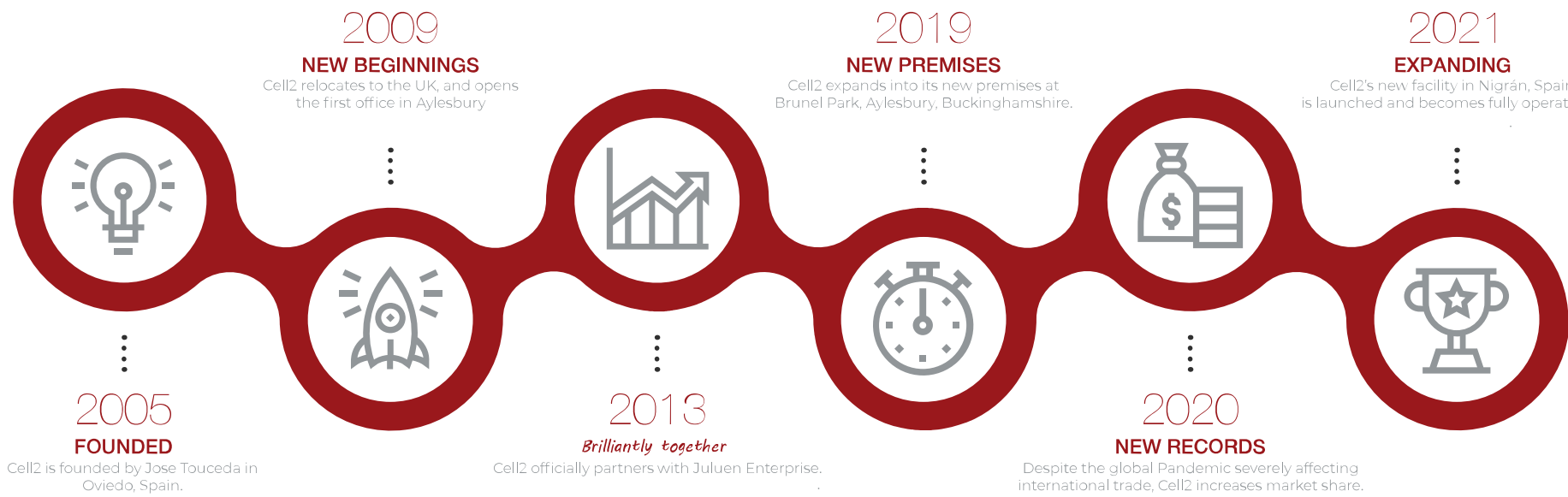
Cell2 (España)

Rúa da Madanela, 14 Nave 7B, Parque Empresarial Porto do Molle, 36350, Nigrán (Pontevedra), España.

Cell2 (United Kingdom)

Unit 4 Premus, Coldharbour Way, Brunel Park, Aylesbury, Buckinghamshire, HP19 8AP, United Kingdom.





2009

NEW BEGINNINGS

Cell2 relocates to the UK, and opens the first office in Aylesbury

2019

NEW PREMISES

Cell2 expands into its new premises at Brunel Park, Aylesbury, Buckinghamshire.

2021

EXPANDING

Cell2's new facility in Nigrán, Spain, is launched and becomes fully operational.

2005

FOUNDED

Cell2 is founded by Jose Touceda in Oviedo, Spain.

2013

Brilliantly together

Cell2 officially partners with Juluen Enterprise.

2020

NEW RECORDS

Despite the global Pandemic severely affecting international trade, Cell2 increases market share.

Discover what's possible.

We know how important it is for you to know that the products you purchase come from a trusted and reliable manufacturer, that is why we undertake extensive research, ensuring the highest possible quality for our customers.

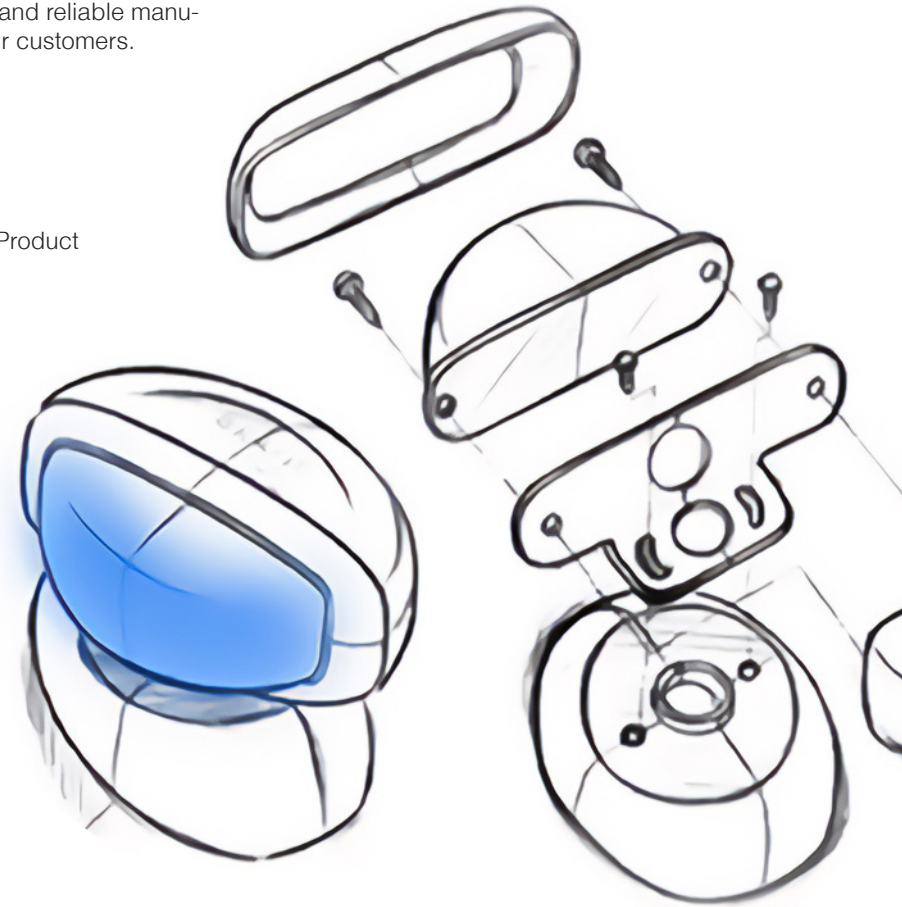
Research & Development

Cell2 have a well-established and close working relationship with the extensive Engineering and Product Development facilities in Taiwan, sharing knowledge, experience and laboratory testing facilities. Our Research & Development team are here to support and Enhance the extensive capabilities of Juluen Enterprise. Helping identify demands and requirements for new products and product derivatives, developing a product range truly attuned to the European Market needs.

Manufacturing

Our manufacturing partner in Taiwan has a fully developed and established network of approved suppliers for specialist sub-contract operations such as plastic injection moulding and aluminium die casting etc. They are carefully chosen and closely monitored to ensure that the best materials are used and the QA processes are always adhered to.

The in-house manufacturing and assembly plant in Taiwan includes well laid out assembly lines featuring additional operation work-stations and all jigs, fixtures, 100% end-of-line tests and dedicated quality assurance processes and resources to ensure the production of reliable and quality assured products.





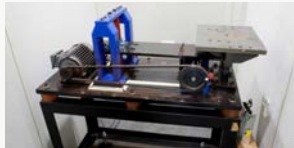
Quality Assurance

The **ISO (International Organisation for Standardisation)** is a driving force behind Quality Assurance practices and mapping the processes used to implement quality consistency. The standards and procedures defined by our program helps to prevent product defect before they arise. We continually implement improvements and innovations, establishing and maintaining set requirements for developing and manufacturing reliable products.

Juluen Enterprise is an **ISO 9001** and **TS16949** certified manufacturer, with more than 25 years of experience. Together with Juluen, we have acquired various Domestic, US and European patents that secure our technical advancement and have established a very comprehensive testing lab with capabilities exceeding industry standards such as **ECE R10, ECE R65 and SAE**. New products are vigorously tested at every stage of development and more stringent test standards are established internally to ensure the products perform consistently. Our extensive test facility includes Photometric, EMC and Extreme environmental conditions.

Testing Capabilities

Our products undergo thorough and strenuous tests at all stages during product development, we do this to ensure that our products are produced at the highest possible quality and to give them the best approval certifications.



Mechanical Shock Bench



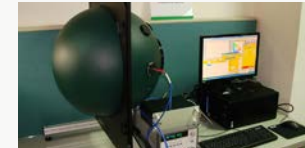
Vibration Bench



Salt Spray Chamber



Thermal Humidity Chamber



Integrating Sphere



Power Transient Generator



Hemi-Anechoic Chamber



Thermal Shock Chamber



UV Light Weathering Chamber



Goniophotometer System

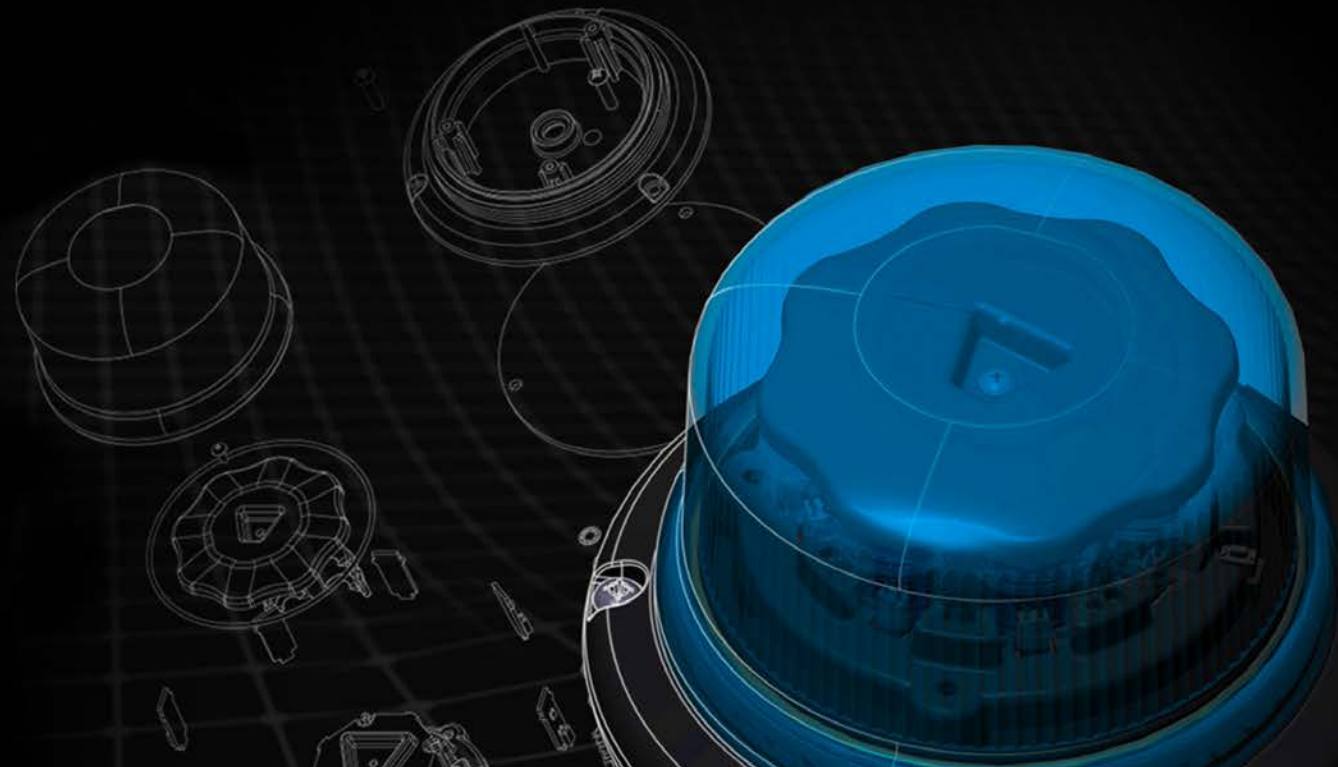
OEM Capabilities

Supporting European customers in recognising specific requirements and manufacturing custom products. Offering a fully collaborative approach to product development, exchanging ideas and working cohesively on ground breaking innovations. Creating bespoke solutions with proven elements, providing consultations, technical drawings, prototypes, 3D models and site visits.

We delight in creating custom-made solutions together with our clients, and take pride in being flexible, innovative and effective in our work. Thanks to our engineering capabilities, we can design unique, customized warning systems according to your requirements.

We believe that it is in our customers best interest that we both design and produce the products ourselves, according to our high standards. With Research & Development, Quality Assurance and Manufacturing all at the same factory grounds, it is easy to ensure that our products are robust and strong when they leave our hands.

Contact us to work on a bespoke project.





There is **less energy wastage** with LED Lighting.

One of the main reasons why LED light bulbs are considered so eco-friendly is the fact that they are designed to last much longer than conventional light bulbs. LED light bulbs can last more than 100 times longer than standard forms of lighting such as incandescent bulbs or halogen bulbs, which has a very positive effect on the environment.

LED devices use much less electrical current than comparable older technologies, cutting vehicle fuel consumption used in generating electricity, and allowing the use of lighter alternators & batteries, and cables with less copper content (yet more fuel saving, and smaller carbon footprint).

An Emergency Vehicle warning system consists of both a visual warning system and a supplementary audible warning system, controlled by a user-friendly interface, i.e. control system. The whole system, or selected part of the system is employed when the driver wishes to convey the urgency of their journey, to provide additional warning of a hazard when stationary, or in the case of law enforcement, as a means of signaling another driver to stop for interaction with an officer.

The visual warning lights may be dedicated emergency lights, such as a lightbar, beacon, directional warning lamp, or may be enhanced lighting, such as Hideaway lights covertly mounted into standard headlamps etc. Usually, they are used along with an audible Siren and Speaker arrangement to give a complete vehicle warning system.





LIGHTBARS

Raising the bar on lighting solutions



Lightbars are used to signal a hazard or emergency by providing a highly effective signal with full 360° visibility, they are the product of choice for the Emergency Services. Our lightbars feature a multitude of functions that provide optimal warning and supplementary capabilities. European Certified and Approved, available in lengths ranging from 600mm to 2140mm, and available in single or dual colour.

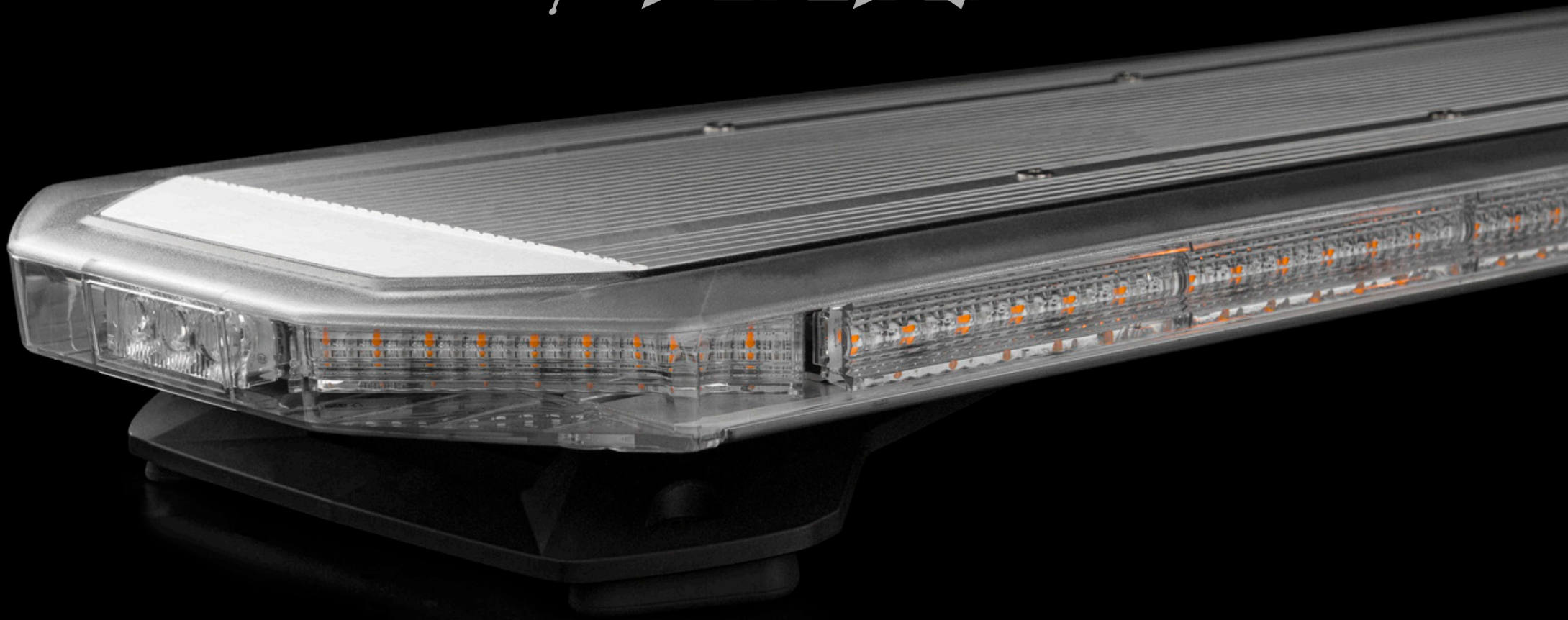
Cell2 lightbars are manufactured using the highest quality components and materials, the most popular lightbars range in length from 60cm to 214cm. Choosing a full-length lightbar ensures you have the greatest visibility when you need it the most, however, you don't need the biggest product to get attention-seeking light.

High-quality LEDs and electronic drivers, along with highly efficient optical systems ensure excellent visibility when the lightbars are energised, no matter what the size. If you need a compact solution, our minibars are a great option, you don't have to sacrifice quality or effective intensity when you chose a quality LED lightbar from Cell2.





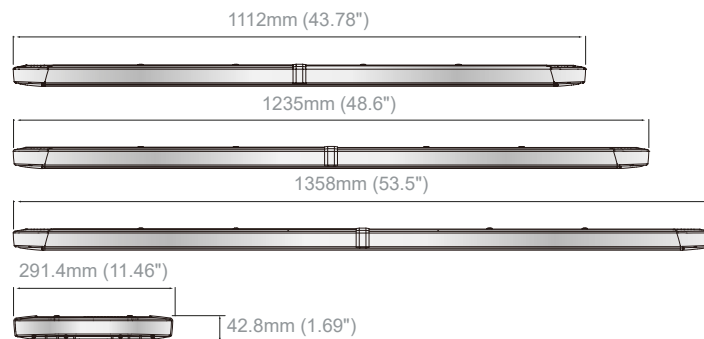
silver blade



Introducing the Silverblade to the Cell2 range, the new lightbar with the lowest profile on the market. A stylish, sharp and modern streamline design, with one solid single piece aluminium top plate for an outstanding aesthetic. This product meets and exceeds ECE R65 Class 2, SAE and NFPA approvals.

Easy wiring and fully programmable, the Silverblade is available in single and dual color. This lightbar includes an ambient light sensor to detect outside and automatically activate the Low-Power Operation Function during daylight.

We offer 3 sizes of Silverblade lightbar from 111 to 136 cm.





Endless possibilities.

Each Silverblade lightbar can be configured to multiple different options using long/small modules, Alley and Take-Downs light.



Mounting made easy.

Our Silverblade Lightbars can be mounted using one of several mounting bracket arrangements available from us, giving you ultimate flexibility. These include 'Low Profile Standard Brackets', 'Narrow Flat Surface Mount Brackets', 'Wide Flat Surface Mount Brackets'.



Silverblade

ECE R10 | ECE R65 Class 2 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

Ultra low profile at only 4cm (1.69") in height, the Silverblade lightbar is one of the thinnest premium lightbars in the market finished with aluminium top plate and near continuous linear optics, produces a uniform 360-degree output.



- 30 warning patterns.
- Intelligent sensing to detect ambient light.
- Fully programmable to user preference.
- Multiple programmable functions including traffic director cut offs, take down, alley light, etc.
- LEDs available in blue or amber.

Silverblade Dual Colour

ECE R10 | ECE R65 Class 2 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

New improved D-Fuser Optics with ECE R65 and SAE certified performance. Integrated Take-down Light and Alley Light options. Solid Aluminium base plate for best rigidity and heat dissipation. 12 Selectable Flash Patterns. 12 or 24VDC.



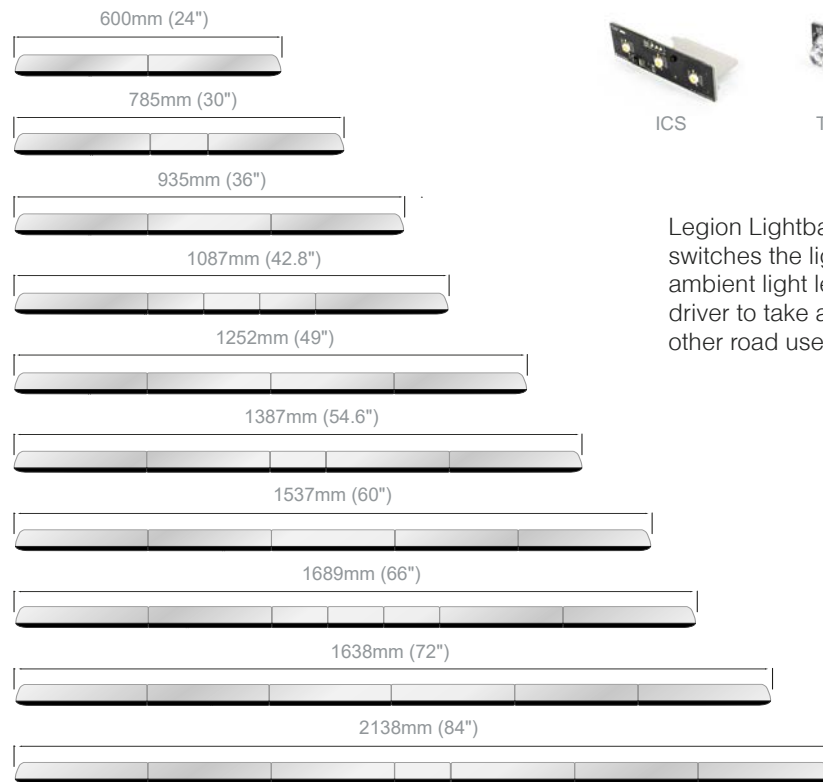
- 30 warning patterns.
- Intelligent sensing to detect ambient light.
- Fully programmable to user preference.
- Multiple programmable functions including traffic director cut offs, take down, alley light, etc.
- LEDs available in combinations of amber/blue and blue/white.



LEGION

The Legion Series of Lightbars are based on a low profile mainstream design, with a heavy duty extruded aluminium base and polycarbonate housing & lenses.

Our Legion LED Lightbars are available in 10 lengths. This is possible due to the strong aluminium backbone, and modular design approach. They are only 6cm (2.3") in height, are able to be mounted onto any sized vehicle with various mounting options to select from. All Legion lightbars come with approved standard corners but add optional extra modules from 4 to 24 modules as required. The lightbars are compatible with a vast range of Lighthoods, such as Fresnel; D-Fuser, Linear, Dual Colour, Illuminated Centre Section (ICS), Take-Downs and Alley lights.



Legion Lightbars can now be equipped with **automatic dimming**. This switches the lightbar output to the dimmer 'by night' intensity when the ambient light level falls below a certain level. It removes the need for the driver to take action and also removes the risk of un-advertently dazzling other road users at night. Available fitted to new lightbars or as a retro-fit kit.





Endless possibilities.

We offer a variety of coloured lenses, including amber, blue, red, green, clear and opal.



Sound bigger than it's size.

Legion lightbars are compatible with the H002 Integrated Speaker. For more information, please visit the Electronic & Audible section.



Rooftop connector.

Roof connectors enable quick and easy removal for service or replacement without having to disturb the wiring. Our connectors are very quick dis-connect and environmentally sealed. Cell2 connectors and fixing kits utilise well respected and proven components along with unique Cell2 developed supplementary components to supply a kit making them easy to fit to your vehicle roof and offer many years of trouble-free service.



Mounting made easy.

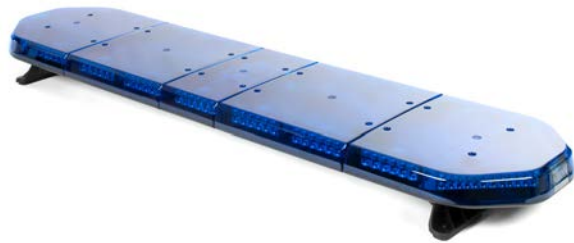
Legion Lightbars can be mounted using one of several mounting bracket arrangements available from us, giving you ultimate flexibility. These include 'Standard Mounting Bracket', 'A006 Angle Adjustable Bracket', 'Adjustable Mounting Bracket', 'Flat Wide Mounting Bracket' and 'Magnetic Feet'.



Legion High End

ECE R10 | ECE R65 Class 2 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

D-Fuser or Fresnel optics for superior 360 degree light spread. Optional Takedowns and Alley lights are available. Built-in and programmable Flash Patterns. Aluminium extrusion for optimal heat dissipation. Now available with optional auto-dimming sensor. 12 or 24VDC.



- Certified **ECE R65 Class 2** and **ECE R10** output.
- Programmable functions available, including traffic arrow, dim mode, etc.
- Built-in and programmable Flash Patterns.
- Aluminium extrusion for optimal heat dissipation.
- LEDs available in amber, blue, green, red or white.

Legion Dual Colour

ECE R10 | ECE R65 Class 1 & 2 | SAE J845 Class 1 | CA Title 13

New improved D-Fuser Optics with ECE R65 and SAE certified performance. Integrated Take-down Light and Alley Light options. Solid Aluminium base plate for best rigidity and heat dissipation. 12 Selectable Flash Patterns. 12 or 24VDC.



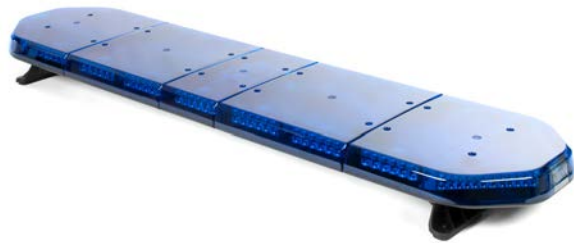
- Certified **ECE R65 Class 1 & 2** and **ECE R10** output.
- Optional 100W Integrated Speaker.
- D-Fuser & Linear optics for superior 360-degree light spread.
- Programmable functions available, including traffic arrow, dim mode, etc.
- LEDs available in combinations of amber, blue, red and white.



Legion FIT

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1 | CA Title 13

D-Fuser & Fresnel optics for superior 360 degree light spread. Built-in and programmable Flash Patterns. Aluminium extrusion for optimal heat dissipation. 12~24VDC.



- Certified **ECE R65 Class 1** and **ECE R10** output.
- Economical version.
- Built-in and programmable Flash Patterns.
- Aluminium extrusion for optimal heat dissipation.
- LEDs available in amber, blue, green, red or white.

Legion FIT+

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1 | CA Title 13

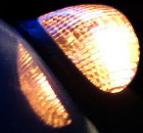
ECE-R65 Approved Class 1, Full Function Programmable Software; Traffic Director, Alleys, Take-Downs etc. Fresnel Optics. All the functions of a Legion High End Lightbar with Legion FIT LEDs. 5 Year Warranty, 12 or 24VDC.



- Certified **ECE R65 Class 1** and **ECE R10** output.
- Programmable functions available, including traffic arrow, dim mode, etc.
- Built-in and programmable Flash Patterns.
- Aluminium extrusion for optimal heat dissipation.
- LEDs available in amber, blue, green, red or white.



AEGIS

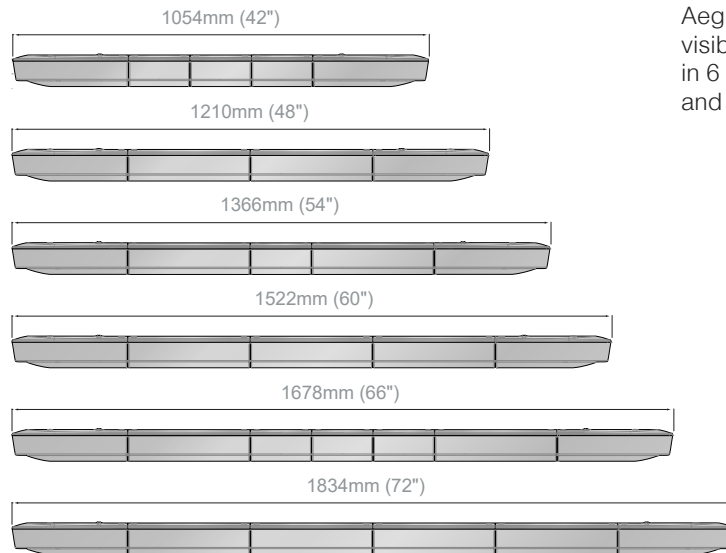




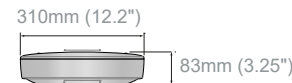
The Aegis series of Lightbars are modern with a sturdy design. Broad visibility and powerful output with a choice of coloured top covers. Emergency Services vehicles are still recognisable by their coloured top lenses when not activated.

Each Aegis lightbar has a different standard configuration, whether you are looking for a standard or higher end configuration, or even looking for an integrated speaker or illuminated centre section. We have something for you.

As well as being available in both single and dual colour, Aegis Lightbars also have a range of coloured top covers available. These coloured top covers allow vehicles to be identified even when the Lightbar is not activated.



Aegis LED Lightbars are available from 105cm (42") to 183cm (72"), Aegis having broad visibility and a powerful output. At 31cm (12.2") wide and 8cm (3.25") in height. Available in 6 different sizes, the Aegis Lightbars are suitable for a variety of vehicles. Between 4 and 24 modules can be used depending on the size.



Endless possibilities.

We offer a variety of coloured top covers, including amber, blue, red, black and opal.



Sound bigger than it's size.

Aegis lightbars are compatible with both H001 & H002 Integrated Speakers. For more information, please visit the Electronic & Audible section.

Mounting made easy.

Our Aegis Lightbars can be mounted using one of several mounting bracket arrangements available from us, giving you ultimate flexibility. These include 'Standard Mounting Bracket', 'A006 Angle Adjustable Bracket', 'Adjustable Mounting Bracket', 'Flat Wide Mounting Bracket' and 'Flat Wide Mounting Bracket'.





Aegis High End

ECE R10 | ECE R65 Class 2 | SAE J845 Class 1 | CA Title 13

The Aegis High End Lightbar, 105cm (42") – 183cm (72"), ECE R65 approved Class 2, 36 to 96 LEDs, corner d-fuser, middle d-fuser or fresnel optics, select from LED and top cover colours with clear lens, with standard mounting feet. 5 year warranty, 12VDC or 24VDC.



- Fully programmable.
- Optional 100W integrated speaker.
- Built-in and programmable Flash Patterns.
- Programmable functions available, including traffic arrow, dim mode, etc.
- ECE R65 Class 2 approval for amber, blue or red versions.

Aegis FIT+

ECE R10 | ECE R65 Class 2 | SAE J845 Class 1 | CA Title 13

The Aegis FIT+ Lightbar, 105cm (42") – 183cm (72"), ECE R65 approved Class 2, 36 to 96 LEDs, corner d-fuser and middle fresnel optics, select from LED and top cover colours with clear lens, with standard mounting feet. 5 year warranty, 12VDC or 24VDC.



- More economic, but still feature-packed.
- Optional 100W integrated speaker.
- Built-in traffic director function.
- Programmable functions available, including traffic arrow, dim mode, etc.
- ECE R65 Class 2 approval for amber, blue or red versions.

Aegis Dual Colour

ECE R10 | ECE R65 Class 2 | SAE J845 Class 1 | CA Title 13

The Aegis Dual Colour Lightbar, 105cm (42") – 183cm (72") ECE R65 approved Class 2, corner d-fuser, middle d-fuser or fresnel optics, select from LED and top cover colours with clear lenses, with standard mounting feet, 5 year warranty, 12VDC.



- Fully programmable.
- Optional 100W integrated speaker.
- Built-in traffic director function.
- Optional alley lights and/or take-down lights.
- ECE R65 Class 2 approval for combinations of amber, blue and red.



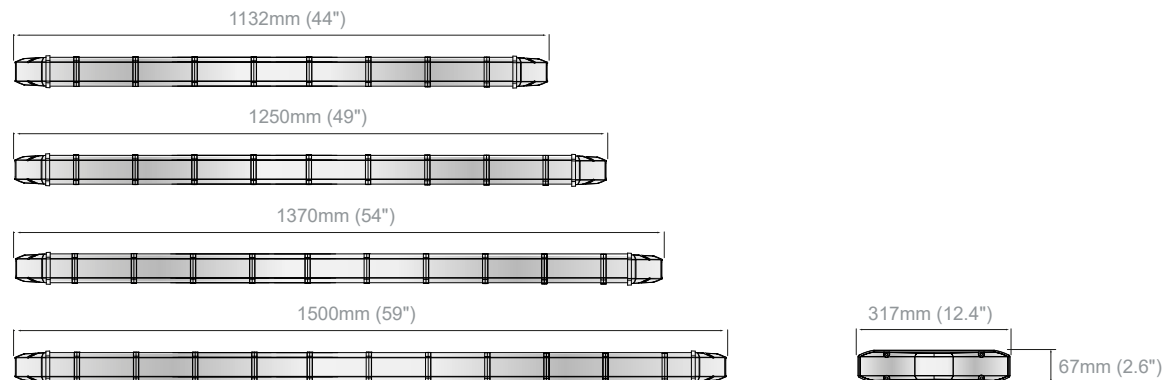
TORRENT



The Torrent Lightbar series are a low-profile warning system with solid aluminium top and base plates. Aerodynamic shape for minimum air resistance, with a choice of coloured lenses. Available in single or dual colour.

Choosing single colour gives you the flexibility to also specify a coloured lens, the single colour versions are also approved to ECE Regulation 65 Class 2. Selecting a dual colour lightbar gives you a 2 colour output through a clear lens. There are 4 lengths to chose from, ranging from 1132mm up to 1500mm.

Available from 113cm (44") to 150cm (59"). This is a very low profile lightbar, with a width of 32cm (12.4") and a height of 7cm (2.6"). This option can have anything from 4 to 24 modules. A variety of brackets are available for mounting the various sized bars.



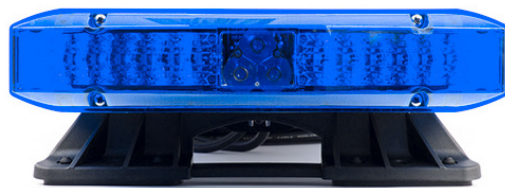


Endless possibilities.

We offer a variety of coloured lenses, including amber, blue, red, clear and opal.

Illuminated Centre Section.

Our Legion Lightbars are compatible with a vast range of Lighthouse, such as Fresnel; D-Fuser, Linear, Dual Colour, Illuminated Centre Section (ICS), Take-Downs and Alleys.



Mounting made easy.

Torrent Lightbars can be mounted using one of several mounting bracket arrangements available from us, giving you ultimate flexibility. These include 'Standard Mounting Bracket', 'A006 Angle Adjustable Bracket', 'Adjustable Mounting Bracket', 'Lightbar Flat Wide Mounting Bracket' and 'Lightbar Flat Wide Mounting Bracket'.

Torrent Single Colour

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

The Torrent Lightbar 113cm (44") – 150cm (59") ECE R65 approved Class 2, low-profile warning system with solid aluminium top and base plates. Aerodynamic shape for minimum air resistance. With a choice of coloured lenses and standard mounting feet, 5 year warranty, 12VDC or 24VDC.



- New improved Xtreme optic with ECE R65 Class 2 certified output.
- Programmable flash patterns with optional traffic arrow and stop/tail/turn.
- Highly customisable software.
- Reverse polarity protection.
- Available in amber, blue or red.

Torrent Dual Colour

ECE R10 | SAE J845 Class 1 | CA Title 13

The Torrent Lightbar 113cm (44") – 150cm (59") ECE R10, low-profile warning system with solid aluminium top and base plates. Aerodynamic shape for minimum air resistance. With a choice of dual colour combinations through clear lenses and standard mounting feet, 5 year warranty, 12VDC or 24VDC.



- Built in rear traffic director function.
- Built in 17 selectable flash patterns.
- New linear d-fuser technology.
- Optional special lighthouse for special application.
- Available in combinations of amber, blue, red and white.



MINIBARS

Compact same Illumination



With the visibility and performance of a full-size Lightbar; these compact bars are perfect for fitting to smaller vehicles, where space is limited or where fitting ease is paramount. Minibars offer a smaller, easier to install and more affordable alternative to our full-size Lightbars. Our minibars are the clear choice for construction workers, public safety workers, tow truck operators, police officers, firefighters & many others.

Minibars can be mounted using bolts through the vehicle roof or bolted to a roof rack or roof rails.

Our LED minibar range offers a selection of shapes and sizes to suit all tastes and applications, the ultra-compact and stylish Mini-Falcon (251mm) is suitable for perhaps smaller vehicles such as cars and car-derived vans, though it's not a 'small signal'. The Diamondback is a great all rounder at 355mm and perhaps the ultimate Minibar is the Microbar-EX at 400mm, with an ultra-low profile of only 37mm. All the Minibars are available to be fixed directly or easily and temporarily by powerful magnets. They can be supplied with either coloured lenses or clear lenses, and the Microbar-EX is also available as a dual-colour product (Microbar-EXD).



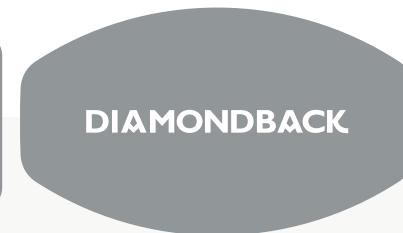
L. 251 mm
W. 170 mm
H. 42 mm



L. 400mm
W. 172 mm
H. 37 mm



L. 423 mm
W. 161 mm
H. 73 mm



L. 355 mm
W. 205 mm
H. 53 mm

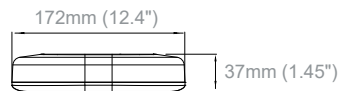
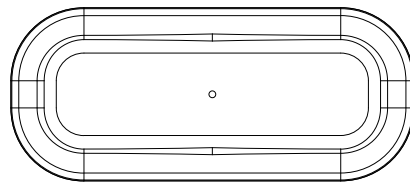


Microbar EX LED Minibar

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1 | CA Title 13

The Microbar EX is a compact 40cm (15.7") LED Minibar with an octangle array of lightheads. Split flash and colour option for various applications with multiple unit synchronisation. Available in single or dual colour, IPX5, 5 year warranty, 12~24VDC.

- Octangle array of 14 lightheads provides 360° seamless output.
- **24 selectable flash patterns** including rotating patterns.
- Water and vibration resistant design for external use.
- Various installation options to meet any user's demands.
- Available in **single** or **dual colour**, amber or blue.



Mini Falcon LED Minibar

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1

The Mini Falcon 25cm (9.9") Minibar, super compact and stylish LED Minibar with ECE R65 and SAE Class 1 approvals along with EMC ECE R10, built-in 29 selectable flash patterns, 5 year warranty, 12~24VDC.



- **Low power function** for night time use.
- Built in **29 selectable flash patterns**.
- Water and vibration resistant design for external use.
- Multi unit synchronisation.
- Available in amber, blue, red or white.

DiamondBack LED Minibar

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1

The Diamondback 35cm (14") Minibar. ECE R65 and SAE approved, multi-voltage input (12~24VDC), 24x high intensity LEDs, 23 built-in selectable flash patterns, 5 year warranty, 12~24VDC.



- Certified **ECE R65 Class 1** output.
- Built-in 23 selectable flash patterns.
- Non volatile memory recalls last flash pattern used at power up.
- Water and vibration resistant design for external use.
- Available in amber or blue.



BEACONS

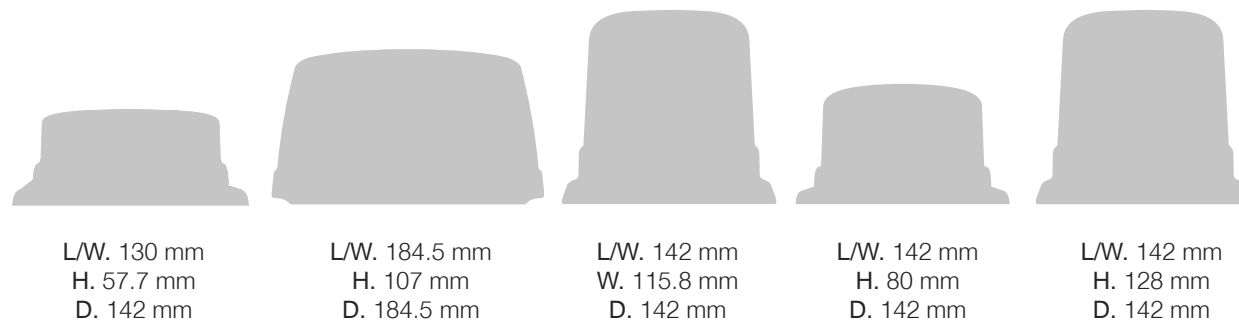
Even light source, solid output



LED Beacons provide a full 360° warning signal in situations where a lightbar isn't required or desired. Utilising the latest technology, our beacons combine long life performance and ultra low power consumption, designed and engineered to perform in the most demanding conditions.

We offer a wide variety of sizes to ensure we can provide the ideal Beacon to best fit any specific requirements.

Our LED beacon range offers something for all needs, ranging from the compact, multi-voltage (11-110VDC) B11 & B12 ranges designed primarily for the materials handling industry right up to the 18cm diameter B19 range with a mighty light output. Most of our amber, blue and red beacons are approved to ECE Regulation 65 which specifies minimum performance requirements, the B19 is much brighter and actually a viable alternative to lightbars in terms of light output, useful if space is limited. The range are available in many industry standard fixing types to make them easy to fit, also easy to retro-fit or upgrade from currently fitted products such as old technology rotating halogen beacons.





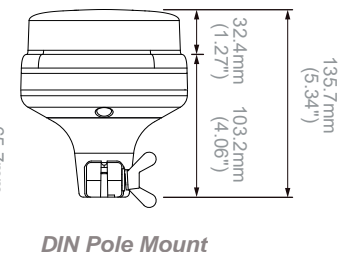
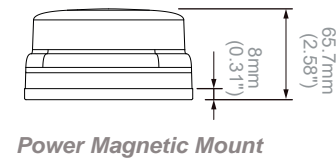
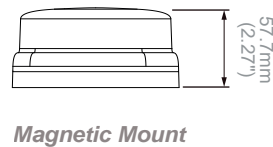
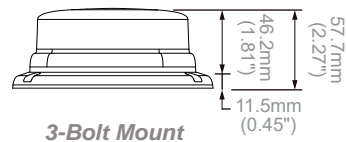
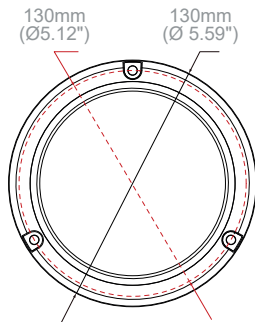
B22 Series

ECE R10 | ECE R65 Class 1 (TA1) | SAE J845 Class 1

LED beacon with durable ultra-low-profile amber or clear polycarbonate lens for lower wind resistance and enhanced aesthetic. Multiple mounting options including 3-bolt, magnetic and pole mount, 5 year warranty.



- Provides optimum 360° degrees coverage.
- Two independent warning modes can be defined for specific situations or events.
- Weatherproof and vibration resistant design for all environments.
- Lenses available in amber and clear.
- LEDs available in amber.



B19 Series

ECE R10 | ECE R65 Class 1 (TA1) | ECE R65 Class 2 (TB2) | SAE J845 Class 1 | CA Title 13

ECE-R65 approved LED Beacon packing a hugely powerful punch, comparable with many full-length lightbars! 24 high power LED's, 12 upward-facing LEDs 14x flash patterns, mounting options include 3-bolt, magnetic, mirror, pipe or shelf mount, IPX5, 5 year warranty, 12~24VDC.



- Heavy duty, aluminium based, wide diameter LED Beacon.
- 24 High powered LEDs surround with **upward LEDs** for superior performance.
- Weatherproof and vibration resistant design for all environments.
- Versatile mounting options, including 3-bolt, magnetic, pipe, shelf or mirror mount.
- Available in amber, blue or red.

B18 Series

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

B18 LED Beacon, 15x 1Watt LEDs, 11x flash patterns, mounting options include 3-bolt, Tall Base 3-bolt, DIN Pole Mount, Magnetic Mount and Super Magnetic Mount, 5 year warranty, 12~24VDC.



- Efficient optical system producing a powerful and evenly spread light output.
- Non volatile memory recalls last flash pattern used at power up.
- Weatherproof and vibration resistant design for external or internal use.
- Reverse polarity protection.
- Available in **single or dual colour**; amber, blue, red or white.



B16 Series

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

ECE-R65 Approved LED Compact beacon, 8x 3Watt LEDs, 11x flash patterns, mounting options include 3-bolt, DIN Pole, Magnetic, Internal and External Super Magnet (250KmH TUV Approved), only 80mm (3.15") high, 5 year warranty, 12~24VDC.



- Approved to ECE R65, some versions approved in rotating pattern.
- Low-profile and compact design, impressive performance from a small package.
- Robust construction for reliable **weatherproof** and **vibration resistant** performance.
- Available with robust extending mounting pole.
- Available in amber, blue or red.

B14 Series

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1 | CA Title 13

ECE-R65 Approved LED Compact beacon, 10x 3Watt LEDs, 11x flash patterns, mounting options include 3-bolt, DIN Pole, Magnetic and Super Magnet (250KmH TUV Approved), several accessories and spare parts available, 5 year warranty, 12~24VDC.



- Certified **ECE R65 Class 1** 360 degree output.
- Non volatile memory recalls last flash pattern used at power up.
- Weatherproof and vibration resistant design for external or internal use.
- Reverse polarity protection.
- Available in amber, blue or red.



MODULES

Wide selection of options to fit every need.



Directional LED Warning Modules

Specifically aimed towards giving the customer options. We offer the choice between TIR and Linear optics, quantity of LEDs per module, size of the module and the power of the LEDs.

Wide Angle LED Warning Modules

Specifically aimed towards giving up to 180 degree light output.

Application Specific

LED lights can be constructed in a way to solve the specific needs of the device or user. Application-specific LEDs are very effective given their ability to be personalised accordingly.

Covert Hideaways

Fashioned to be mounted in a discrete manner but there when needed to provide effective directional lighting. Commonly used for subtly marked or unmarked vehicles, minimising the possibility of the lights being noticed when switched off.

Dash Lights

Designed for internal mounting either on the dashboard, visor area, or rear deck of a vehicle to provide additional warning. Often fitted with shields which direct the light through the window, but prevent reflections in to the vehicle.



DIRECTIONAL

Compact same Illumination

110

MILITÄRPOLITI

Super Thin

Super Thin Series

ECE R10 | ECE R65 Class 1 & 2 | SAE J595 Class 1 | CA Title 13

ST3, ST6 and ST26 Super Thin LED Modules, choose from 3, 6 or 12 High-power LEDs with a 9mm (0.35") ultra-low profile, ECE R65 Class 1 or 2 certified output, 5 year warranty, 12~24VDC.



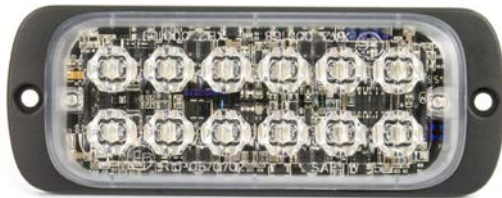
ST3

- 16 built-in selectable flash patterns, all self-contained.
- Self contained; no external flasher.
- Heavy Duty aluminium housing with weatherproof and vibration resistant design.
- Available in single colour, amber, blue, red or white.



ST6

- Available in versions ECE R65 approved for either horizontal or vertical installation.
- Quick mount version with minimum bezel design and pre-applied 3M adhesive.
- Heavy Duty aluminium housing with weatherproof and vibration resistant design.
- Available single or dual colour, amber, blue, red and white.



ST26

- 25 built-in selectable flash patterns.
- Self contained; no external flasher.
- Heavy Duty aluminium housing with weatherproof and vibration resistant design.
- Available in single colour, amber, blue, red or white.

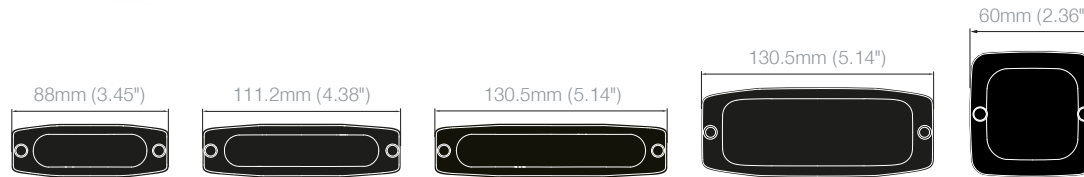
Light Pad Series

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

The Light Pad Series are super low profile and are designed for easy installation where space is limited. They feature a strong, self-adhesive backing pad which can be stuck to a flat, clean mounting surface very quickly and easily. The products may also be fitted by means of the supplied fixing screws if preferred, available with 3, 4, 6 or 12 LEDs, 1 year warranty, 12~24VDC



- 6.6mm **super low profile** thickness for discreet mounting.
- Self adhesive backing for quick and simple mounting.
- Non volatile memory recalls last flash used at power up.
- Multi unit synchronization in simultaneous or alternating flash.
- Available in amber, blue, red, white or green.





XT6 Xtreme Thin Series

ECE R10 | ECE R65 Class 1 | SAE J595 Class 1 | CA Title 13

XT6 Xtreme Thin, 6x LEDs, curved lenses and tough polycarbonate bezels available in gloss black, white or chrome finish, 10mm (0.39") low-profile thickness, xtreme optic for wide angle visual and classic aesthetics, ECE-R65 Class 1, horizontal surface mount, IPX8, 5 year warranty, 12~24VDC.



- 16 flash patterns available.
- Xtreme Optics for wide angle visual and classic aesthetics.
- ECE R65 Class 1 and SAE certified high power output.
- Non volatile memory recalls last flash pattern used at power up.
- Available in amber, blue, red or white.with a clear lens.

XT12 Xtreme Thin Series

ECE R10 | ECE R65 Class 1 & 2 | SAE J595 Class 1

XT12 Xtreme Thin, 12x LEDs, curved lenses and tough polycarbonate bezels available in gloss black, white or chrome finish, surface mount or pedestal mount, in single and dual colours. ECE-R65 Class 1 (dual colour) or Class 2 (single colour) Approved, IPX8, 5 year warranty, 12~24VDC.



- Available in single and dual colour.
- Optional blue or red lens available
- ECE R65 and SAE certified high power output.
- Non volatile memory recalls last flash pattern used at power up.
- Available in single or dual colour combinations of amber, blue, red or white.

Mini Stealth



BMW X1



Mini Stealth Series

ECE R10 | ECE R65 Class 1 | ECE R65 Class 2 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

Mini Stealth LEDs are compact, rugged and extremely powerful directional LED lights. Available in several formats and colours, from 3 to 12 LED modules and approved to ECE-R65. The strong aluminium body makes them ideal for extreme conditions. High-power LEDs with a Low Profile of 15mm. Fully weatherproof and vibration resistant design for external or internal use. ECE R65 Class 1 Certified Output, 5 year warranty, 12~24VDC.

The MS3 and MS6 share many of the same features and rugged performance and they share the same height and depth profile. The MS26 employs twice as many LED devices as the MS6 and has a physically higher footprint at 49mm rather than the MS3 & MS6 height of 28mm (surface mount versions). This gives the MS26 a bigger and more visible profile on the vehicle and also a more intense light signal than the already powerful MS6.

- Super high power output in compact packages.
- Available in 3, 6 or 12 LED **single and dual colour** variants.
- Multiple units are synchronisable and can flash simultaneously or alternately.
- Flexible mounting options, surface mount or hood mount available.
- Available in amber, blue, red or white.



Mini Stealth Tinted Lenses

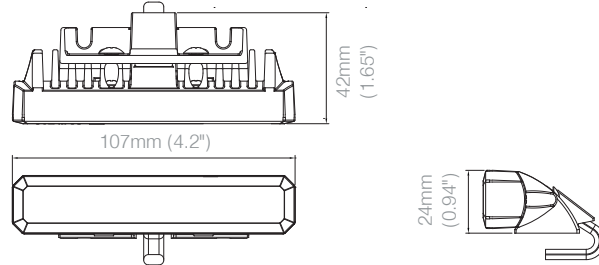
ECE R10 | ECE R65 Class 1

Mini Stealth Tinted Lenses are designed to go unnoticed. The smoked lenses make the units almost invisible when carefully placed on/in covert vehicles. Two types of mounting and horizontal or vertically approved models available.

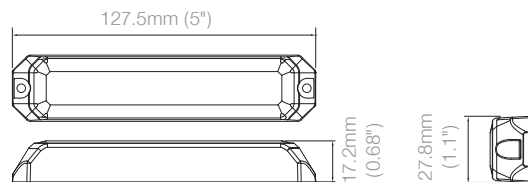
- Horizontal or vertical mount options.
- Hood mount with up/down angle adjustment.
- Aluminium base for efficient heat dissipation.
- Weatherproof and vibration resistant design.
- Available in blue and amber.



Hood Mount



Surface Mount





One Eighty Series

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

One Eighty LEDs have been specially designed to provide true, certified 180° 'Wide Angle Effect' Lighting output. These 9LED Surface Mount ECE R65 modules offer the widest spread of light signal in relation to their size, 5 year warranty, 12~24VDC.



- True 180 certified **ECE R65** 'wide angle effect' coverage with 9LEDs.
- Advanced reflector optics with remarkable output.
- Heavy Duty aluminium housing with **weatherproof** and **vibration resistant** design.
- Ideal for intersection warning.
- Available in amber, blue, red or white.

Identification Series

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

Identification LEDs have a 180° wide angle light output, achieved by the wrap around optic design and outward facing LEDs. With Dual memory capability for cross function or cross state applications, extra steady on functions and memory override for instant emergency use, 5 year warranty, 12~24VDC.

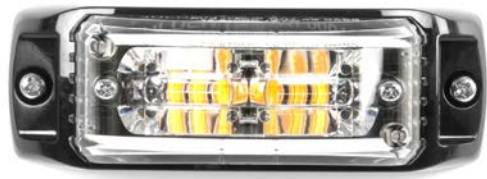


- Super-wide warning angle **180 visibility**.
- Heavy-duty aluminium housing with **weatherproof** and **vibration resistant** design.
- Dual memory for **quick switch** in between pre-selected flash patterns.
- 56 selectable flash patterns on each memory.
- Available in amber or blue.

Arc Series

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1 | SAE J595 Class 1

Arc LEDs are available with versatile surface or universal side-mirror mount, suitable for vehicle bodies, mirrors and motorcycle storage boxes, 6x high-power LEDs, ECE-R65 class 1, SAE class 1, ECE R10, IPX7, 16 flash patterns, 5 year warranty, 12~24VDC.



- Certified **SAE J845** 120 wide-angle output.
- Side mirror mount or surface mount.
- Heavy Duty aluminium housing with **weatherproof** and **vibration resistant** design.
- Universal angle adjustable bracket, mounting virtually anywhere.
- Available in amber, blue, red or white.

Omni View (OV9)

ECE R10 | ECE R65 Categories 'T' & 'HT' Class 1 & 2 | SAE J845 Class 1

Our first R65 approved 'Corner Module' system. Can be used in an arrangement of 4 modules to give an R65 certified 360 degree output (Category 'T') or an arrangement of 2 modules on either the front or rear of a vehicle to give an R65 certified 270 degree output (Category 'HT'). 9 x high power LEDs, ECE class 1 (amber) and class 2 (blue), ECE R10, IPX7, 18 flash patterns, 5 year warranty, 12~24VDC.



- Full, uniform 360° (4 module) or 270° (2 module) output.
- Integrated 'cruise' function.
- Heavy Duty aluminium housing with **weatherproof** and **vibration resistant** design.
- Universal angle adjustable bracket.
- Available in amber, blue or red.



APPLICATION SPECIFIC

Outstanding solutions for every problem



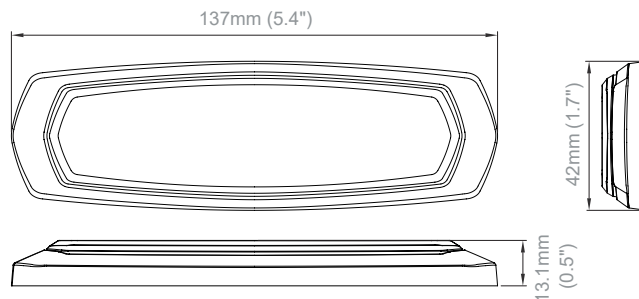
STEALTH *max*

Stealth Max Series **Dual Colour**

ECE R10 | ECE R65 Class 2 | SAE J595 Class 1 | CISPR 25

The Stealth Max SM6 is an ultra-bright dual colour lighthouse with ECE R65 Class 2 approval. This lighthouse is highly versatile for application to any vehicle. Featuring an independent Cruise Mode selected from one of the two colours, 5 year warranty, 12~24VDC.

- Ultra bright **Dual Colour** lighthouse with **ECE R65 Class 2** approval.
- Independent **Cruise Mode** using one of the two colours.
- Aluminium housing with **weatherproof** and **vibration resistant** design.
- Independent wire to switch to 'by night' output (lower intensity).
- Available in amber/blue, blue/red and blue/white.



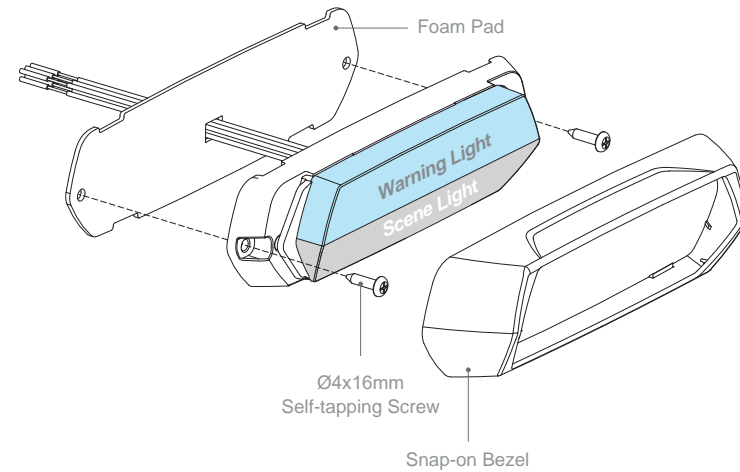
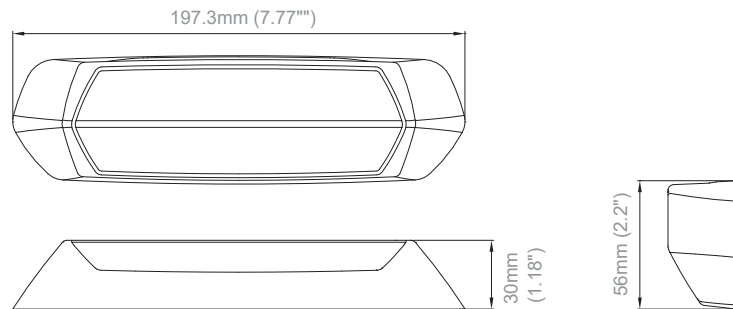


SceneMax Series

ECE R10 | ECE R65 Class 2 | SAE J595 Class 1 | CISPR 25

The SceneMax is a 2-in-1 unit that provides both powerful warning and wide angles scene light for versatile application. Small profile and footprint for all vehicles. Available with either black, white, red, yellow or chrome bezel, 5 year warranty, 12~24VDC.

- Scene light, 1700 raw lumens.
- Cruise Mode.
- Weatherproof to IPX7 and vibration resistant.
- Warning LED available in red, blue, amber or white.
- Scene LED available in white.





STEALTH REG PLATE

Erase Difficulty.

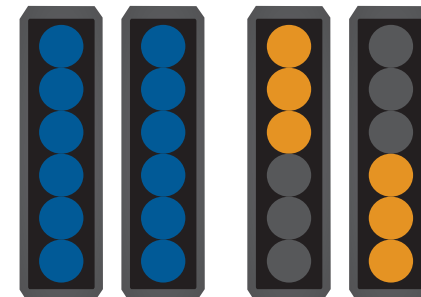
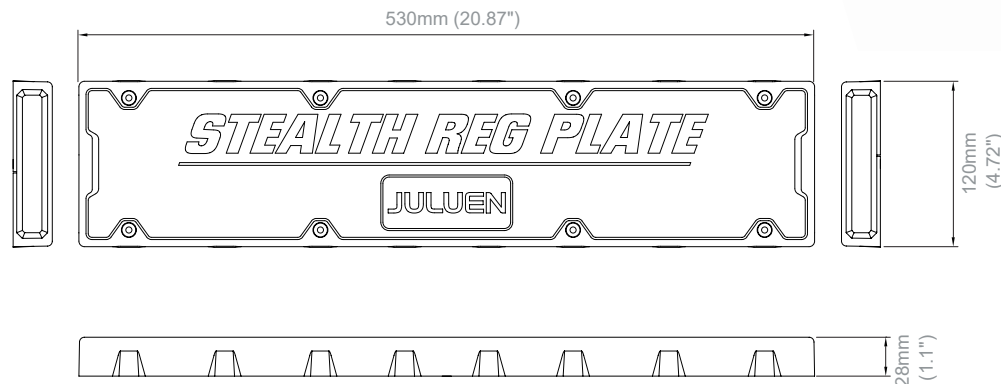


Stealth Registration Plate

ECE R10 | ECE R65 Class 2

Pre-assembled Dual MS6 Reg Plate System for Euro style 520 x 120mm registration plates. Synchronised flash simultaneously, alternatingly or in unique criss-cross split flash. Featuring the established and popular MS6 modules with vertical optics for optimised light output, and solid aluminium housing for efficient heat dissipation and maximum durability. Fully weatherproof and vibration resistant design.

- Certified **ECE R10 & ECE R65 Class 2** output, vertical mounting MS6 modules.
- Pre-assembled System to enable quick installation and accommodate most European Registration plate sizes.
- Flexible rubber body easily conforms to most vehicle bumper shapes.
- Reverse polarity and load dump protection.
- 3 metre cable for easy wiring installation.



Halo Blitz

ECE R10 | ECE R65 Class 1 | ECE R7 Cat A&R1 | ECE R91 Cat SM1 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

Halo Blitz LED Modules featuring a central Directional Warning Lamp with an outer Marker Lamp Halo-Ring. Directional Warning Lamp ECE R65 approved and independently controlled outer halo-ring ECE R7 or ECE R91 approved. Optional mounting methods available and can be ordered in various combinations of amber, blue, red or white Directional Warning Lamps and red, white or amber Marker halo-ring colours, 5 year warranty, 12~24VDC.



- 6LED high performance warning lamp with special outer **Halo-Ring**.
- Independent controlled, outer halo ring ECE approved as either a front or rear end outline marker or side marker lamp.
- Heavy Duty aluminium housing with weatherproof and vibration resistant design.
- Ideal for intersection warning.
- Available in amber, blue, red or white.

SQ4

ECE R10 | ECE R65 Class 1 | SAE J595 Class 1 | CA Title 13

The SQ4 Square Format LEDs are favoured by many emergency lighting installers for their versatility and looks. They provide a functional solution that is mounted onto the vehicle using a single bolt adjustable bracket, IP67, 5 year warranty, 12~24VDC.



- Multiple units are synchronisable and can flash simultaneously or alternately.
- Weatherproof and vibration resistant design for external or internal use.
- LEDs rated to 100,000 hours of operation.
- Aluminium base for heat dissipation.
- Available in amber, blue, red or white.



R4 Responder Series

ECE R10 | ECE R65 Class 2 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

The R4 Warning Lamp is from the Responder Series, ECE R65 Class 2, ECE R10, surface mount, weatherproof and vibration resistant design for internal or external use. Solid aluminium base for efficient heat dissipation, optional chrome or black bezels, IPX7, 12VDC.



- High power LED x 12pcs.
- LED Directional Warning Lightheads.
- **Weatherproof** and **vibration resistant** design for internal or external use.
- Meets NFPA 1901 requirements without using angled bracket.
- Available in amber, blue, red or white.

R6 Responder Series

ECE R10 | ECE R65 Class 2 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

The R6 Warning Lamp is from the Responder Series, ECE R65 Class 2, ECE R10, surface mount, weatherproof and vibration resistant design for internal or external use. Solid aluminium base for efficient heat dissipation, optional chrome or black bezels, IPX7, 12VDC.



- High power LED x24pcs.
- Directional Warning Lightheads.
- **Weatherproof** and **vibration resistant** design for internal or external use.
- Meets NFPA 1901 requirements without using angled bracket.
- Available in amber, blue, red or white.

EDGE SABER



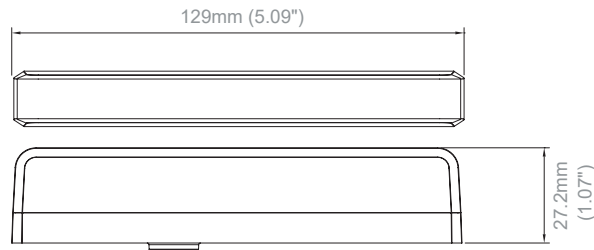


Edge Saber Series

ECE R10 | ECE R65 Class 1 | SAE J595 Class 1 | CA Title 13

Edge Saber 3 Ultra narrow LED Module only 15.8mm, ideal for fitting between vehicle grill sections. 3 High Power LEDs ECE-R10 EMC approval. Unique optical design for efficient and powerful output for horizontal or vertical mount, IPX8, 5 year warranty, 12~24VDC.

Edge Saber 6 High Power LEDs, ECE-R10 EMC approval. Unique optical design for efficient and powerful output, ECE R65 approved versions for either horizontal or vertical mounting, IPX8, 5 year warranty, 12~24VDC.



- ECE R65 versions of ES6 available for horizontal or vertical mounting.
- Universal multi angle bracket, mounting virtually anywhere.
- Unique optical design for efficient and powerful output.
- Multi-unit synchronisation in simultaneous or alternating flash.
- Available in amber, blue, red and white or green.



Edge Saber Shroud Kit

The Edge Saber Shroud Kit can be used to mount the product onto the inside surface of a vehicle windscreen. It fastens by means of self-adhesive strips to the inside surface of the windscreen and features a shroud to shield the occupants of the vehicle from distracting stray reflections of light.

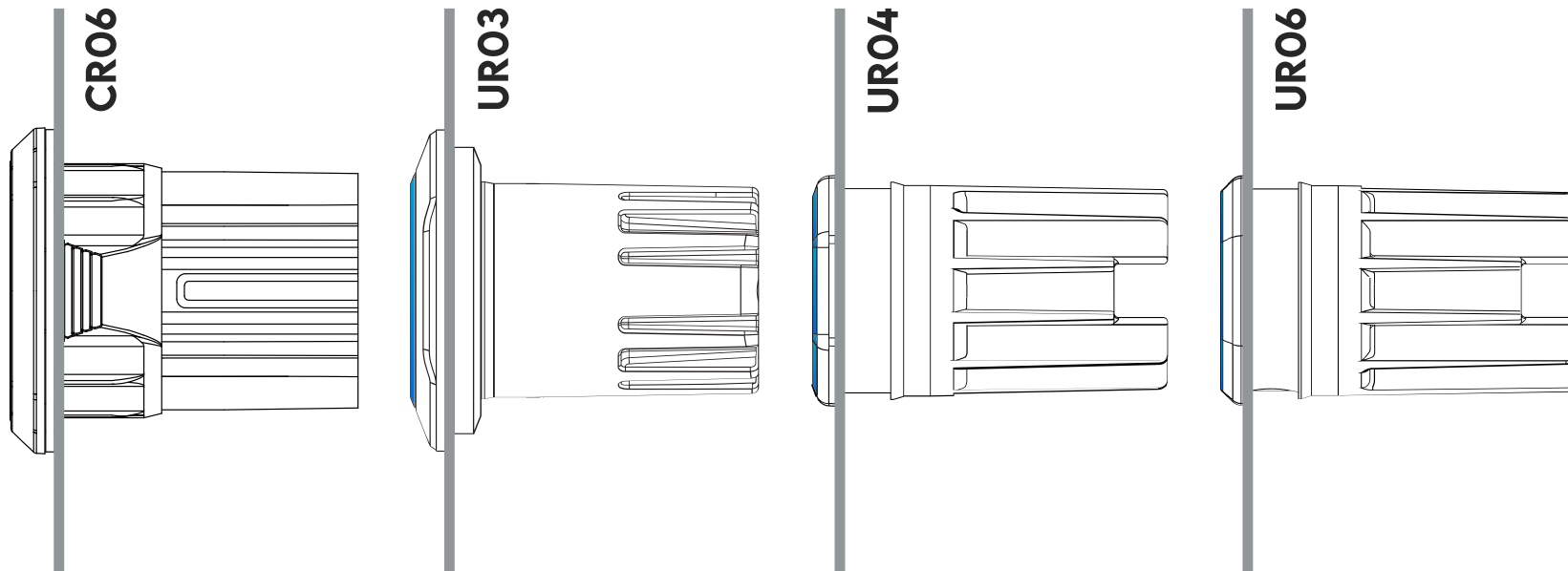


COVERT HIDEAWAYS

Super compact, super bright, super discreet

Covert Hideaways lamps are typically used on vehicles that need to exhibit a strong warning and/or information signal in the course of conducting their operations, whilst maintaining a standard look whilst not in use. They are often fitted inside the OE lighting, for example, inside headlight housings and rear light clusters, some of them utilise the reflectors in the existing lamps and are virtually un-detectable when not activated.

The following diagram demonstrates how the Covert Hideaways are mounted into a surface.



CR06 (Crown Series)

ECE R10 | ECE R65 Class 2 | SAE J595 Class 1 | CISPR 25

6-LED All-In-One Self-Contained Warning Lighthead (Surface Recessed Mount). Extremely low profile Lighthead with aluminium housing for efficient heat dissipation with compact-size design. Multi-units synchronisation in simultaneous or alternating flash.

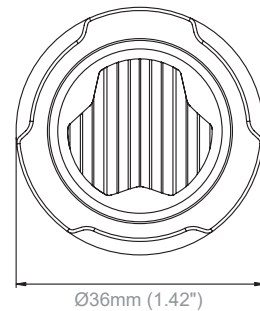


- ECE R65 Class 2 homologated output for ultimate safety.
- All in one self contained for easy and versatile installation without external flasher.
- Pop n lock - Quick one step installation with unique snap on grommet design.
- Independent Cruise Mode, a requirement for many southern european police applications.
- Available in amber, blue, red or white.

UR03 (Undercover Series)

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1 | SAE J595 Class 1

3-LED All-In-One Self-Contained Warning Lighthead (Surface Recessed Mount) Low profile with ECE R10 approval and powerful ECE R65 approved light output. Long life LEDs technology rated to 100,000 hours of operation. IPX7, 5 year warranty, 12~24VDC.



- Low profile with powerful ECE R65 Certified output.
- All in one self-contained for easy and versatile installation without external flasher.
- 36mm diameter surface recessed mount for uniform installation anywhere.
- Multi unit synchronisation in simultaneous or alternating flash.
- Available in amber, blue, red or white.



UR04 (Undercover Series)

ECE R10 | ECE R65 Class 1 | SAE J595 Class 1 | CA Title 13

25.4mm hole, surface recessed mount with ECE R65 Class 1 certified output, heavy-duty design with waterproof connectors, fully weatherproof and vibration resistant lighthouse design for exterior or interior use, reverse polarity protection, 5 year warranty, 12~24VDC.



- 25.4mm panel hole, surface recessed mount.
- 2 heads and 1 flash controller for easy setup and installation.
- High-intensity LEDs x4 per head (8x total LEDs).
- 14 Warning Flash Patterns.
- Available in amber, blue, red or white.

UR06 (Undercover Series) **Dual Colour**

ECE R10 | SAE J595 Class 1

The Classic UR series is now available in Dual Colour. Multi-memories design for instant switch between selected flash patterns and/or colours, fully weatherproof and vibration resistant, heavy-duty design with waterproof connectors, 5 year warranty, 12~24VDC.



- 2 heads and 1 flash controller for easy setup and installation.
- Multi memory design for instant switch between selected flash patterns.
- High intensity LEDs x12 per pair of heads.
- 26 Warning Flash Patterns.
- Available in amber/ blue, blue/red, blue/white or blue/red/white.

TITAN™

DASH LIGHTS

Designed for internal mounting



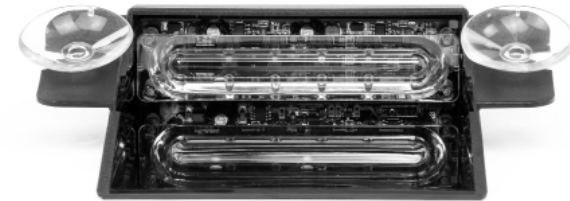


Titan LED Dash Light

SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

Titan Single Dash LED Light, 6 Xtreme LEDs, compact design with adjustable lighthouse to allow for range of screen angles, 2 suction pads, cigarette plug, 5 year warranty, 12~24VDC.

- Built in **19 selectable flash patterns**.
- Super compact for stealth look.
- Side by side split flashing.
- Level adjustment for lighthouse.
- Available in amber/amber, blue/blue or blue/red.



Xtreme Micromax LED Dash Light

SAE J595 Class 1 | e13

Xtreme Micromax LED Dash Light, 2 lighthouses (12 LEDs), adjustable angle brackets, 3 suction pads, cigarette plug, 5 year warranty, 12VDC.

- Super-wide angle **Xtreme optics**.
- Built in **selectable flash patterns** with split colour flashing.
- Non-volatile memory recalls last flash pattern used at power up.
- Reverse polarity protection.
- Available in amber/amber, blue/blue, red/red or blue/red.



A close-up, low-angle shot of a black LED light bar with three illuminated cylindrical LEDs. The scene is bathed in a deep blue light, and the background is dark. The light bar is positioned diagonally across the frame.

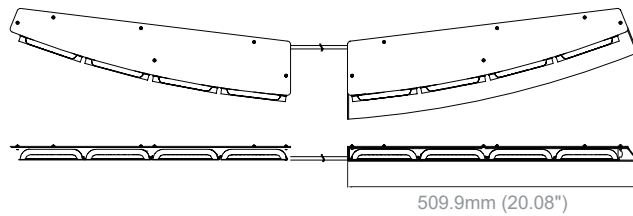
ECLIPSE



Eclipse Interior Visor Warning System

ECE R10 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

The Eclipse Stealth Visor, extreme low-profile interior mount windshield visor light with intense forward warning effect. Available in single, dual or tri colour with 42 warning pattern choices, 5 year warranty, 12VDC.

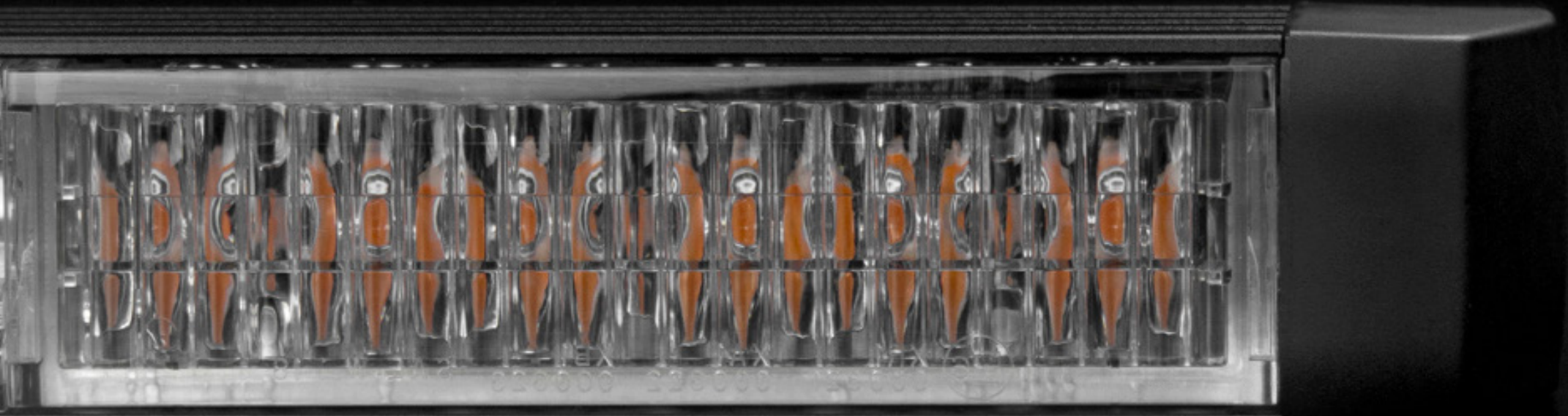


- Extreme low-profile with intense forward warning effect.
- Shroud is available in different vehicle models to best fit your visor light system.
- Forward facing modules for intense scene or full flood light.
- Programmable take-down position.
- Available in amber, blue, red or white.



TRAFFIC DIRECTORS

Directing the way to safety





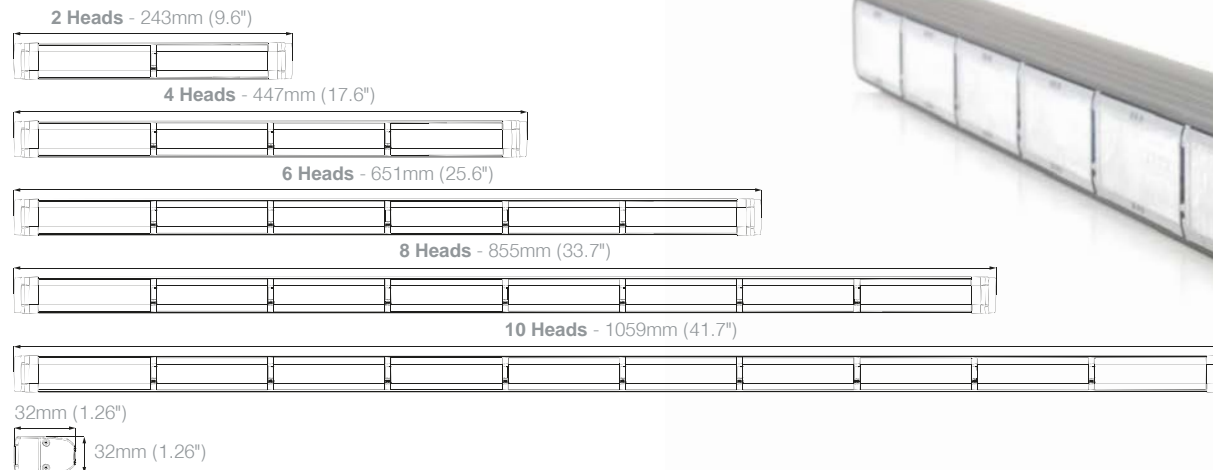
LED Traffic Directors are used to provide warning indication for traffic showing that a lane is closed and to merge left or right. Compact and extremely bright, these lights are an effective way to keep traffic flowing when one or more lanes are blocked. Brands include Horizon, Commander, and Rayzr. The product of choice for highway maintenance services. Our Traffic Directors are designed and engineered to meet the most stringent industry requirements, with a versatile and modular design.

Horizon Traffic Advisor Warning Stick

ECE R10 | ECE R65 Class 1 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

Premium Traffic Director Warning Stick, 6 or 12LEDs per lighthouse, optional end flashers, available in single colour with 27 warning and 11 arrow patterns or dual colour with 50 warning patterns and 16 arrow patterns, individual single colour lighthouses approved to ECE R65, IPX7, 5 year warranty, 12VDC.

- Horizon 6 or 12LED optics with unbeatable seamless output.
- Q-Lock mechanism provides a tool free, quick release of lighthouses.
- Dual memory for **quick switch** in between pre-selected flash patterns.
- Available from 2 to 10 lighthouse configuration.
- Available single colours or combinations of amber, blue, red and white.



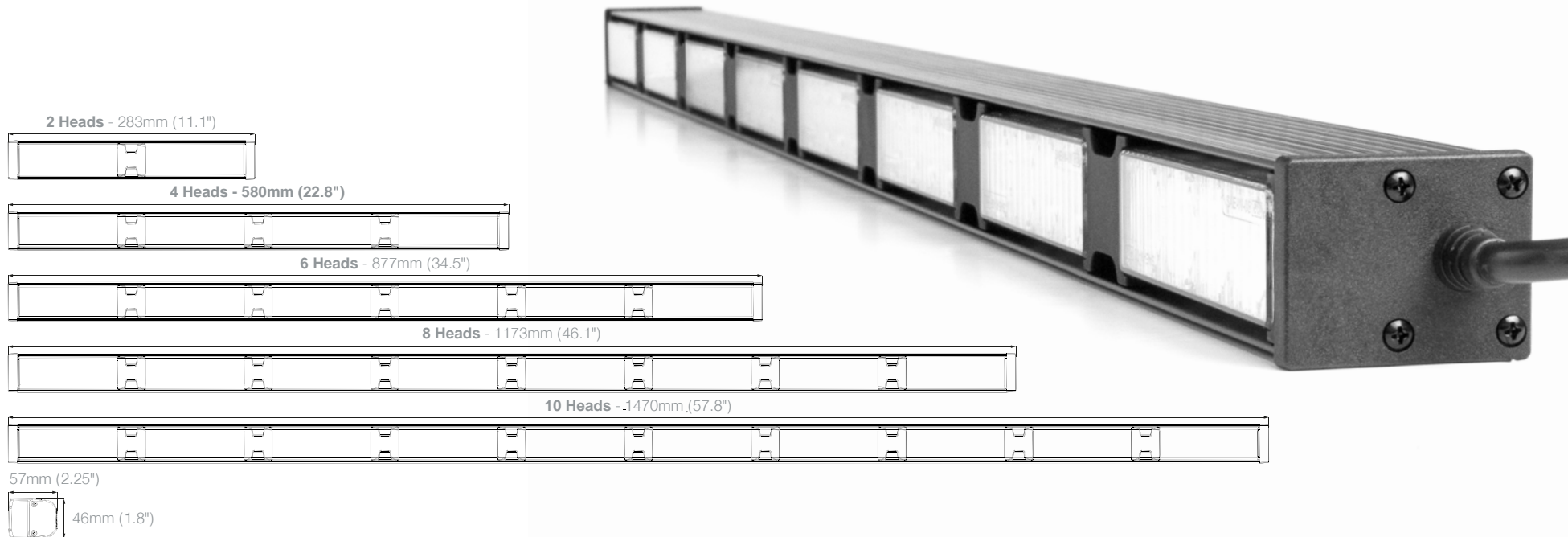


Commander SE4

ECE R10 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

The Commander SE4 Traffic Director Warning Stick are suitable for larger vehicles, with large format optics, 4LEDs per lighthouse, optional end flashers, available in single colour with 11 warning and 11 arrow patterns, IP67, 5 year warranty, 12~24VDC.

- LEDs rated to 100,000 hours of operation.
- Non volatile memory recalls last flash pattern used at power up.
- 26 selectable flash patterns and 11 traffic arrow patterns.
- Available from 2 to 10 lighthouse configuration.
- Available in amber, blue, red and white.

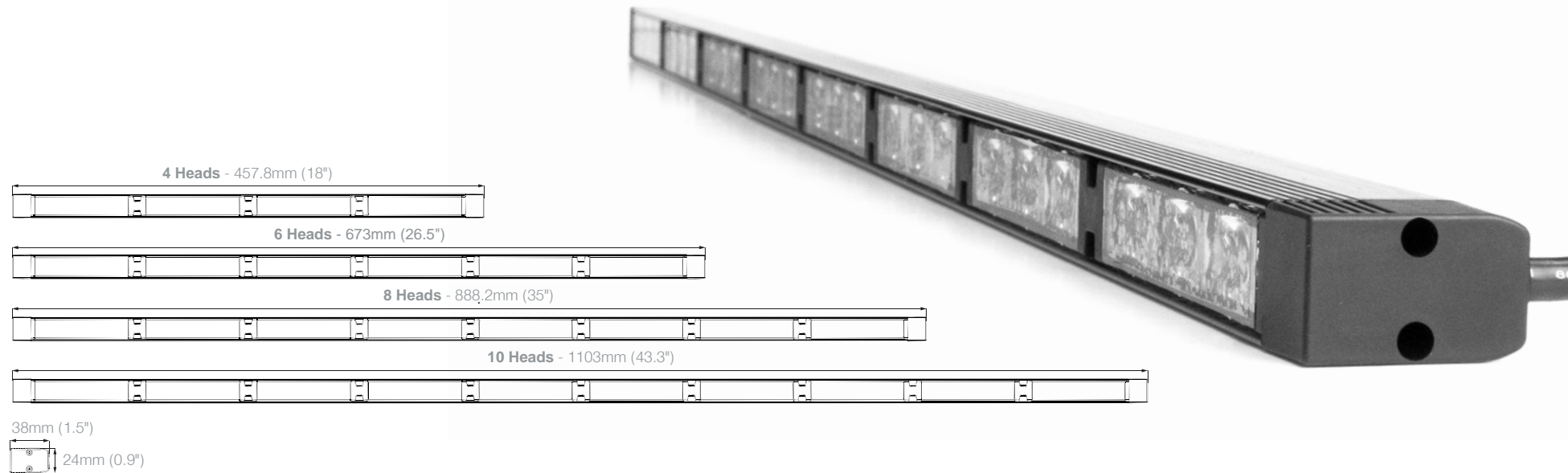


Rayzr TR3

ECE R10 | SAE J845 Class 1 | SAE J595 Class 1 | CA Title 13

The Rayzr TR3 is an economical Traffic Director Warning Stick with a 24mm super low-profile, 3LEDs per lighthouse, optional end flashers, available in single colour with 20 warning and 11 arrow patterns, ECE R10 and SAE approval, IP67, 5 year warranty, 12~24VDC.

- Super low profile for stealth look.
- Aluminium extrusion for heat dissipation.
- LEDs rated to 100,000 hours of operation.
- Available from 6 to 10 lighthouse configuration.
- Available in amber, blue, red, white or green with optional end flasher feature.





ELECTRONIC & AUDIBLE

Sound bigger than it's size



Emergency Vehicles operated by the Emergency Services are fitted with an audible warning systems to complement the visual warning system. Together, they are intended to warn other road users and pedestrians of the presence of an Emergency Vehicle responding to an incident, these systems warn others of danger from a fast-moving vehicle and also request them to move out of the way so as not to impede their progress. The audible signal is critical in situations where the visual signal might not be seen due to obstructions, in very bright situations or by visually impaired pedestrians etc.

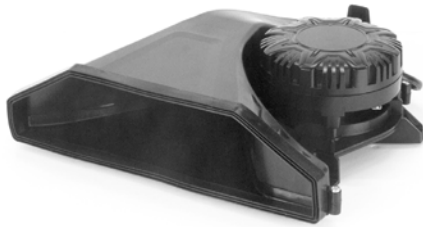
Some of our speakers are designed for integration into Lightbars, however some are designed to be installed elsewhere on the vehicle.

Sirens are used to attract interest and to present warning, particularly where an immediate response is needed. The sound has to be surely audible and identifiable in the meant signalling area, and these are regularly used to complement a visible sign. Audible signalling is mainly useful in conditions in which sight maybe a problem, like in a bright sunlight or for the visually impaired. To alert a person, it is recommended that a sounder or siren reaches at between 5 and 15 dB(A) louder than the background noise of the given area. Frequency should also be between 300 and 3000 Hz.



H001 Integrated Speaker

The H001 Integrated Speaker is designed specifically to fit and perform perfectly within the Aegis Lightbar Series, with robust aluminium driver and a black polycarbonate horn, this speaker sounds bigger than its size.



- Designed to perfectly complement the **Aegis Lightbar Series**.
- Industry standard 11Ohm resistance.
- Heavy Duty aluminium housing with weatherproof and vibration resistant design.
- Compatible with the Cell2 range of Sirens.
- 100W.

H002 Integrated Speaker

The H002 Integrated Speaker is designed to fit within both the Aegis and the Legion Lightbar range, with robust aluminium housing and ABS horn this speaker sounds bigger than its size.



- Designed to perfectly complement the **Aegis & Legion Lightbar Series**.
- Industry standard 11Ohm resistance.
- Heavy-duty aluminium housing with weatherproof and vibration resistant design.
- Compatible with the Cell2 range of Sirens.
- 100W.

JS100-C1 Compact Siren Speaker

SAE J1849 EVS2 | CA Title 13

The JS100-C1 a high performance compact siren speaker that exceeds SAE requirements, compact and durable design with fibre reinforced nylon housing and cast aluminium driver unit, IP54K, 1 year warranty.



- Powerful neodymium magnet that produces more 124.5dB over 3M distance.
- Tested for efficiency and reliability with SAE J1849.
- Industrial L-Bracket and U-Bracket for versatile installation available.
- Fibre Reinforced nylon and cast aluminium.
- 100W.

SAS32R Motorcycle Kit

ECE R10

The SAS32R Motorcycle Kit is a dual speaker siren system: master unit with optional slave unit, remote controlled compact 30W, 120dB sound pressure level at 3.5M, 2x 5A aux outputs, 3-button control panel (SW300-1), rubber touch tactile switch and LED backlight, (Siren: IPX6, Speaker: IPX4K), 12VDC.



- Built-in European Siren interlock.
- Optional handheld or clip-on PA microphone.
- Night time sound dimming.
- 56 selectable flash patterns on each memory.
- 30W.



SDF104H Siren Amplifier

ECE R10 | SAE J1849 EVS1 | CA Title 13

The SDF104H 100W siren amplifier for single speaker (110hm) setup. Class D amplifier for low amp draw and clean tone. Compact design aluminium chassis. 1 year warranty. 12-24VDC.



- 22 Pre-programmed International or European tones to select from.
- 4 x Lighting control buttons, switching up to 5 Amps each output.
- Siren Interlock function that prevents Siren activation without primary warning signal lighting.
- Radio Re-Broadcasting (RRB) and PA functions.
- 3 Programmable scenario buttons, Code 1, 2 or 3.

SDP212H Programmable Siren & Control System

ECE R10 | SAE J1849 EVS1

The SDP212H programmable siren and control system with 200W amplifier supports one or two 100W speakers. Heavy-duty power and output connectors with easily accessible fuse. 12-24VDC.



- Fully programmable and customisable configuration using PC software.
- Pre-programmed International or European tones to select from.
- 12 x Auxiliary control buttons for lighting & Traffic Directors etc
- Siren Interlock function that prevents siren activation without primary warning signal lighting.
- **“Record-n-Play”** function: Record instant replayable messages up to 20 seconds long.
- 4 positive or negative logic inputs & 1 voltage variable input, voltage detection for low voltage protection.

SDA100W Siren Amplifier

ECE R10

The SDA100W 100W Siren amplifier for single speaker (11Ohm) setup. 17 selectable tone groups to meet various Euro countries standards. Class D amplifier for low amp draw, clean tone and compact size design, 5 year warranty, 12~24VDC.

- 100W Siren Amplifier for single speaker (11Ω) setup.
- Class D amplifier for low amp draw, clean tone and compact design.
- Siren interlock input that disables siren activation without primary lighting warning.
- 17 selectable tone group to meet various Euro country standards.
- Optional microphone and PA function with handheld microphone.





CONTROL SYSTEMS

Control at your finger tips



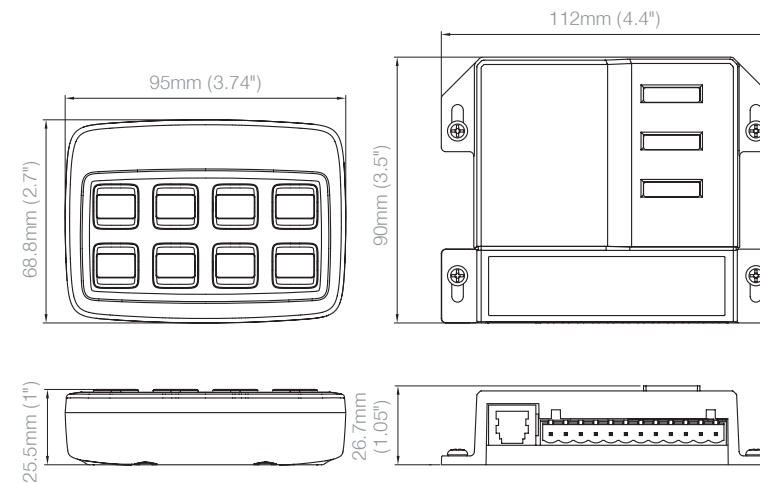
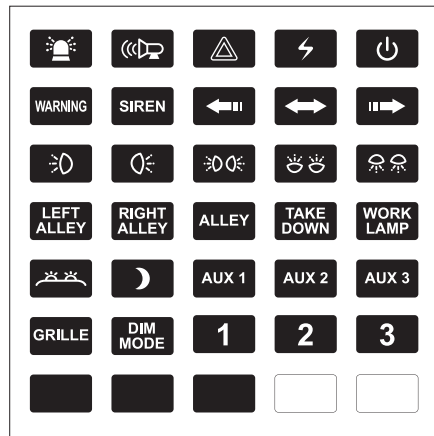
SW830 Control Panel

ECE R10

The SW830 8 Multi-purpose Switch / Control Panel, available with power module. All backlit rubber touch buttons, 35 selectable icon stickers to clearly label the panel. 10 LED signal indicators for the Lightbar or Traffic Director, 10~24VDC.



- 8 switch control panel with 3 x 10amp / 5 x 0.2amp outputs for auxiliary device power or function activation.
- 3 button / 4 button mutually exclusive control grouping for traffic arrow application.
- 10 LED signal indicator for your lightbar or traffic director.
- 35 selectable icon stickers to clearly label your panel.
- Available in software version C with dual interlock buttons.



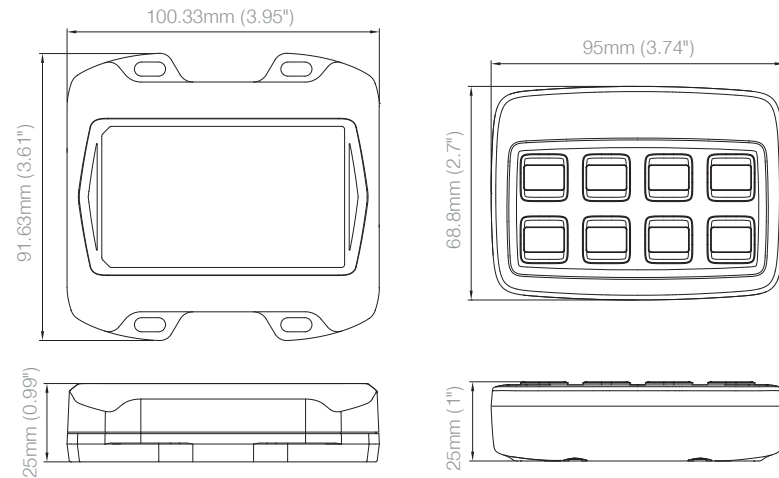
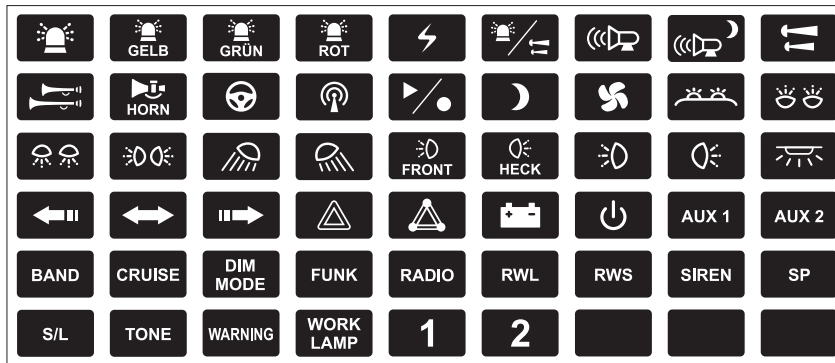
SW833 Control Panel

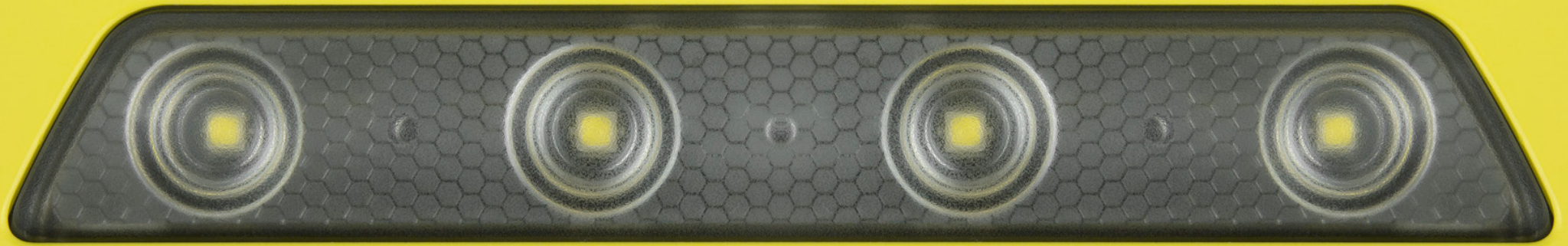
ECE R10

The SW833 is a powerful, programmable switch panel and remote power module for controlling lightbars, traffic directors and other equipment on the vehicle. All back-lit, soft touch buttons with 35 switch icons to choose from. Switch panel features a row of 10 LEDs to indicate the Traffic Director activity.



- Switches up to 49 Amps shared between multiple outputs for Lightbar, Siren, Warning Lamps, Traffic Directors, Scene Lamps etc.
- Up to 8 positive outputs and 2 negative outputs.
- 8-Button switch panel featuring 2 colour back lighting, confirmation beeps and 10 indicator LEDs for visibility of Traffic Director activity.
- 3 programmable 'scenarios' to activate chosen combinations of outputs with a single button press.
- Chosen outputs may be programmed to switch off when certain inputs are detected, e.g. Siren switch off when handbrake applied (up to 3 input signals can be utilised).





ILLUMINATION

Providing Lighting When You Need it Most



Scene lights, Work lights and Interior lights are essential lighting devices in emergency vehicles for actions requiring the illumination of a particular area or space, in adverse lighting conditions or at night.

Interior Lights

Our range of LED Interior Lamps are designed to effectively illuminate the interior cabin area of vehicles or indeed other compartments or load areas of vehicles. The smaller WLJ range include dual colour versions typically used by police and ambulance, having a red interior lamp helps police officers to maintain night vision and ambulance patient spaces are sometimes lit using red or blue light to minimise trauma. The larger WLK range features 2 levels of illumination and emits a very impressive output of 1100 lumens at full power, that's more than many LED Work lamps.

Scene Lights

Scene Lights provide vital area lighting around the periphery of vehicles to facilitate safe and efficient working environment for the vehicle operators. LED Scene lamps are commonly used on the sides and rear of ambulances and fire engines, but can be used on any vehicle which would benefit from extra area lighting to improve the health, welfare and effectiveness of operators.

Work Lights

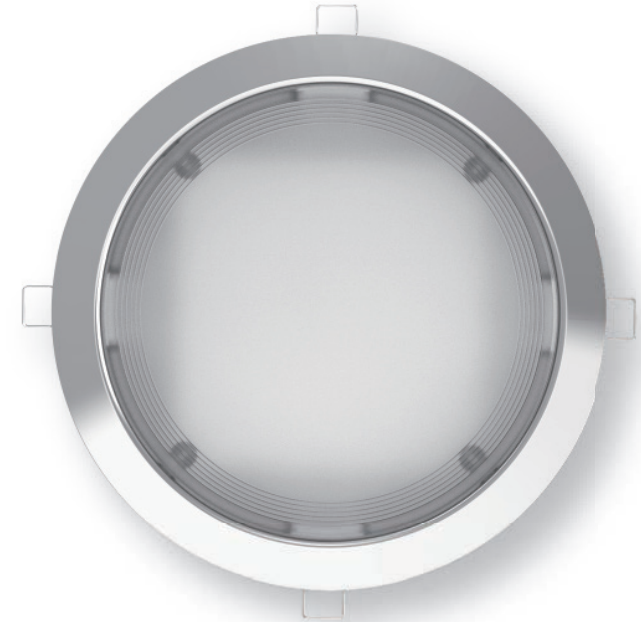
These are white lights used on scene to effectively illuminate target areas around vehicles and equipment to enable emergency workers to see what they are doing, making their tasks easier, quicker and safer.

WLK Interior Lights

ECE R10

WLK LED Interior Lamp designed to effectively illuminate the interior cabin space or indeed other compartments or large load areas of vehicles, dimming function, 3 year warranty, 12VDC.

- 1100 lumen circular interior light for indoor illumination.
- Snap-in spring, tool free installation design.
- 2 operating modes; full power (1100lm) and low power mode (100lm).
- Available with either white or chrome bezels.
- Available with white LEDs.



WLJ Interior Lights

ECE R10 | CISPR 25

Compact LED Interior Lamps are designed to effectively illuminate the interior cabin area of vehicles or indeed other compartments or load areas of vehicles, IPX8, 3 year warranty, 12~24VDC.

- 390 lumen round flood light for small area illumination.
- Versatile mounting using 2-screw mount, adhesive pad mount or optional rubber grommet flush mount.
- Waterproof IPX8 rating for both exterior and interior applications.
- Aluminium base for efficient heat dissipation and maximum durability.
- Available to emit only white, blue/white or red/white light.





SL157 Series

ECE R10 | CISPR 25

The SL157 Series are compact and simple design wherever you need illumination. Certified ECE R10 and CISPR 25. Die cast aluminium base for efficient heat dissipation and high LED durability. Weatherproof and vibration resistant design for internal or external use, IPX7, 5 year warranty, 12~24VDC.



- Compact and simple design wherever you need illumination.
- Certified ECE R10 and CISPR 25 output.
- Die cast aluminium base for efficient heat dissipation and high LED durability.
- Over 1400 lumen output; luminous intensity ≥ 660 lux at 1 meter.
- Available with black, white, chrome, red or yellow bezel.

SL209 Series

ECE R10 | CISPR 25

The SL209 Series have a curved design to maximise coverage with streamlined aesthetics. 6 x LEDs providing impressive illumination, clear lens, black or white body, ECE R10, IPX7, 5 year warranty, 12~24VDC.



- Curved design to maximise coverage with streamlined aesthetics.
- Over 1730 lumen output; luminous intensity ≥ 820 lux at 1 meter.
- Die cast aluminium base for efficient heat dissipation and high LED durability.
- Weatherproof and vibration resistant design for external use.
- Available with white or black body.



R6 Responder Series

ECE R10 | NFPA 1901

The R6 Responder Illumination Lighthouse, solid aluminium base for efficient heat dissipation, optional chrome or black bezels, meets NFPA requirements without using angled bracket, IPX7, 5 year warranty, 12~24VDC.

- 3036 lm powerful LED scene light for scene illumination.
- Solid aluminium base for efficient heat dissipation.
- LEDs rated to 100,000 hours of operation.
- Reverse polarity protection.
- Available in white.



R0 Mini Responder Series

NFPA 13.10.3

The R0 Mini Responder Series Warning/Marker Lamp is available with 4 LEDs, the Illumination LED is available with 3LEDs, chrome housing, clear lens, IPX7, 5 year warranty, 12VDC.

- Illumination model meets NFPA regulation for narrow space lighting.
- Standard surface mount or 45° angled bezel for downward illumination.
- Weatherproof and vibration resistant design for all environments.
- Reverse polarity protection.
- Available in white.



100 Series

ECE R10

The 100 Series Work Lamps are 4pcs high intensity flood (wide beam) lamps, heavy duty coated die cast aluminium, 900lm, IP68, 3 year warranty, 9~50VDC.



- Available in circular or square shape.
- Heavy-duty aluminium housing with weatherproof and vibration resistant design.
- LEDs rated to 50,000 hours of operation.
- High intensity LED x 4pcs.
- Available in white.

300 Series

ECE R10

The 300 Series Work Lamps are 6pcs high intensity flood (wide beam) Lamps, heavy duty coated die cast aluminium, 1000lm, IP67, 3 year warranty, 10~70VDC.

- Available in circular or square shape.
- Heavy-duty aluminium housing with weatherproof and vibration resistant design.
- LEDs rated to 100,000 hours of operation.
- High intensity LED x 4 pcs (square) or 6 pcs (circular)
- Emits 1000lm flood beam of white light.



500 Series

ECE R10

The 500 Series Work Lamps are 6pcs high intensity flood (wide beam) lamps, heavy duty coated die cast aluminium, 1900lm, IP67, 3 year warranty, 10~70VDC.

- Available in circular or square shape
- Heavy-duty aluminium housing with weatherproof and vibration resistant design.
- LEDs rated to 100,000 hours of operation.
- High intensity LED x 6pcs.
- Available in white.



600 Series

ECE R10

The 600 Series Work Lamps are 4pcs (square) or 6pcs (circular) very high intensity flood (wide beam) Lamps, heavy duty coated die cast aluminium, 1000lm, IP68, 3 year warranty, 11~70VDC.

- Available in circular or square shape
- Heavy-duty aluminium housing with weatherproof and vibration resistant design.
- Includes a waterproof connector and 1m extension cable.
- High intensity LED x 4 pcs (square) or 6 pcs (circular)
- Emits 3200lm (square) or 4800lm (circular) of white light.





ROAD SAFETY LIGHTS

Guiding the way to safety





Road Safety refers to a range of products designed specifically for use in traffic management and hazard warning signs. Commonly used as part of a system fitted to fixed roadside or overhead signs or stationary and slow moving trailers or vehicles. They are designed to warn of hazards or lane closures on the highway and help to direct traffic. Our range of Road Safety Lights ensure that traffic safety requirements are met at all times. Our LEDs products are designed and engineered to meet the most stringent industry requirements.

Our Photon devices comply with the European Standard EN12352 – (Traffic Control Equipment – Warning and Safety Light devices) Class L8H. Unlike most of the competitors products, our lamps employ just one, state of the art, high performance LED device and a highly efficient optical system to surpass the requirements of the standard, rather than an array of lesser specification devices. The products are available with either an amber coloured lens or an uncoloured (clear) lens, both emitting the required amber light. They also feature an internal flasher unit (there's also a steady burn for use with external flashers), an integrated automatic dimming photocell and a flexible mounting arrangement.

The Photon is supplied with 4 fixing screws and locking washers as standard, ideal if you're fitting to a flat vertical surface and can take the cable through an exit hole to the rear of the mounting surface. However, if you need to route the cable on the same side of the panel as the lamp, the rubber riser block will allow you to do that, it provides a gap large enough to route the cable from behind the lamp. If you wish to mount the Photon onto either a vertical or horizontal tube or bar, the 'U' Bolt Clamp Kit will enable you to do so, it's suitable to mount the Photon on cylindrical sections of between 25.4mm and 50.8mm diameter (1" to 2" diameter).



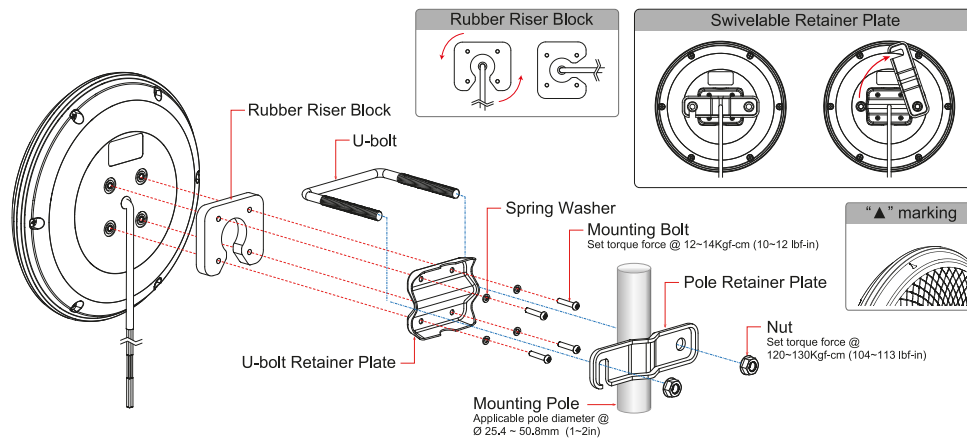
Photon 8AH Traffic Warning Light

ECE R10 | EN 12352 L8H | RoHS

Photon 8H Road Safety Light, EN12352 L8H & ECE R10 approval, flexible mounting methods, IPX6, 2 year warranty, 12~24VDC.



- Efficient, low current, single high performance LED design.
- Self-contained flasher, or steady burn for external flasher use.
- Auto dim function with integrated photocell, can be disabled.
- Multi unit synchronisation in simultaneous or alternating flash.
- Amber light output, available with amber or clear lens.





MINI ELECTRIC

#BigLove

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PACESETTER

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CHARGED FOR
THE TRACK

Brilliantly together



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