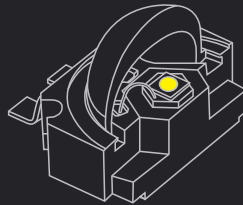




LED Technology

Unrivalled lifespans of up to 100,000 hours together with low power consumption and resistance to high levels of shock and vibration make LEDs the ideal light source for emergency lighting. Their compact size allows them to be used in a wide range of applications from surface mount flashing lamps to rotating beacons.



Lighting Symbols



LED



Rotating LED
LED light source
with rotating
reflector



Rotating Halogen
Halogen bulb light
source with rotating
reflector

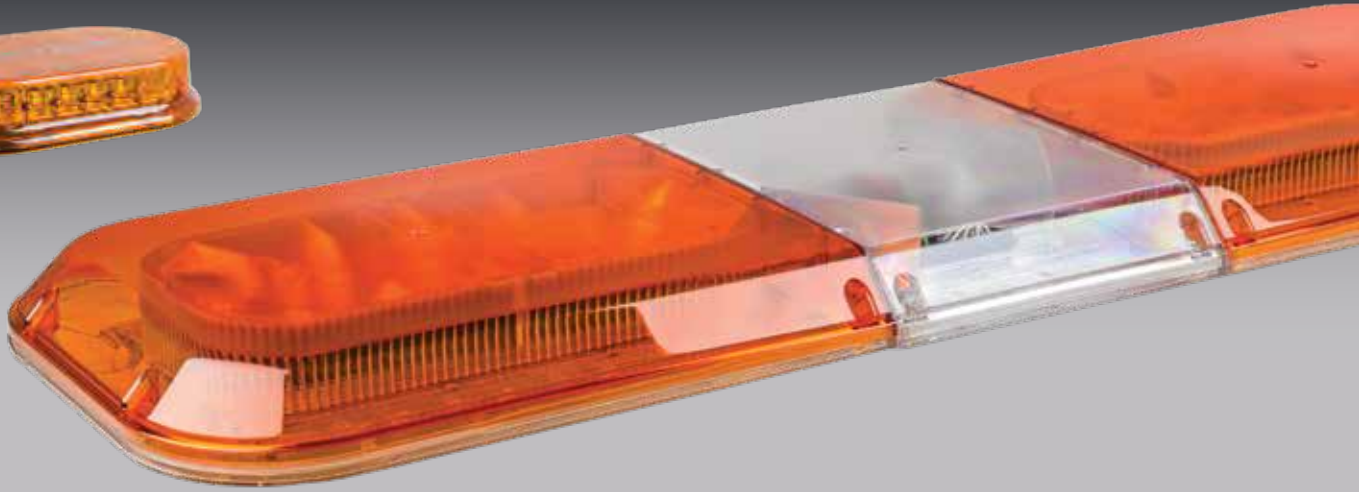
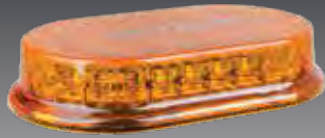
Hybrid Drive



Patented Hybrid Drive technology – no gears, no belts, no brushes to wear out.

Vision Alert Rotating LED products avoid problems typically found in gear or belt driven beacons by using a direct-drive stepper motor. A direct-drive stepper motor has much greater reliability than a brushed DC motor with either a gear or belt assembly, because the only moving parts are the shaft and rotor which are supported by two sealed bearings.

The stepper motor uses magnetic induction to rotate the rotor and shaft so there are no gears to slip or belts to break and no electrical brushes or other contacts to wear out.



Lightbars

IONNIC LED Hybrid-Bar	56
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Blaze	74
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Evolution	78

Lightbars

IONNIC LED Hybrid-Bar

NEW

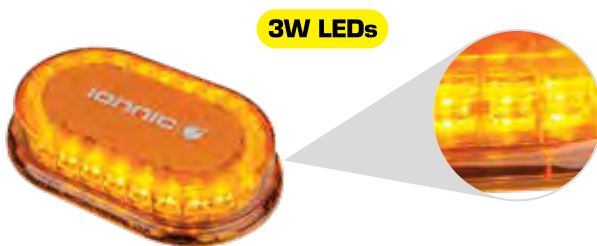


LSB-0110

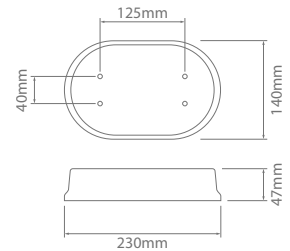
12V
30V IP67 5Yrs

- Half beacon half lightbar, the IONNIC Hybrid-Bar bridges the gap between the two groups.
- 26 flash patterns.
- Magnetic version features cigar plug with integrated on/off & pattern select switches.
- Latest ultra bright 3W LED technology.
- Robust housing and lens.
- Can be synchronised.
- Multi-voltage.
- Full 360° light dispersion.
- Environmentally sealed – IP67.
- 5 year warranty.

Operational Voltage :	12-30V
Max. Current Draw :	6A @ 12V
Flash Patterns :	26
Mount :	4 x M5 Bolts / Magnetic
Lens :	Polycarbonate
Base :	Polycarbonate
Cable Length :	4 Bolt 0.5m Magnetic 2.9m
Weight :	1.0kg
Light Source :	24 x 3W LEDs
Approvals :	SAE J845 Class1
Ingress Protection :	IP67
Operating Temperature :	-40°C to 60°C



3W LEDs



IONNIC LED Hybrid-Bar – 4 Bolt **NEW**

Amber

LSB-0110

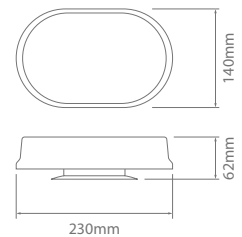
Supplied with 4 x M5 bolts, nuts, split ring & washers.



3W LEDs

MAX
112
GMS

On/off & pattern
select switches



IONNIC LED Hybrid-Bar – Magnetic **NEW**

Amber

LSB-0110-M

Lightbars

IONNIC LED Micro-Bar

NEW



LSA-0110

12V
30V

5Yrs

- Compact & low profile LED lightbar.
- 14 flash patterns.
- Magnetic version features cigar plug with integrated on/off & pattern select switches.
- Latest high output LED technology.
- Robust housing and lens.
- Gore filter technology to prevent ingress.
- Multi-voltage.
- Full 360° light dispersion.
- 5 year warranty.

Operational Voltage :	12-30V
Max. Current Draw :	5A @ 12V
Flash Patterns :	14
Mount :	4 x M6 Bolts / Magnetic
Lens :	Polycarbonate
Base :	Polycarbonate
Cable Length :	4 Bolt 0.4m Magnetic 3m
Weight :	1.8kg
Light Source :	Centre 2 x 6-LED Modules Corner 4 x 4-LED Modules
EMC :	AS/NZ61000.6.3:2012
Ingress Protection :	LED Modules IP67
Operating Temperature :	-40°C to 60°C

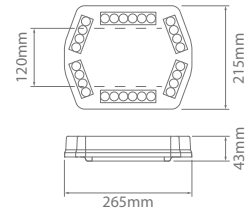


LSA-0110



LSA-066C

Supplied with optional mounting brackets & hardware



IONNIC LED Micro-Bar – 4 Bolt NEW

	Amber	Blue	Green	Magenta	Red
Coloured Lens	LSA-0110	—	LSA-0440	—	—
Clear Lens	LSA-011C	LSA-033C	LSA-044C	LSA-066C	LSA-055C

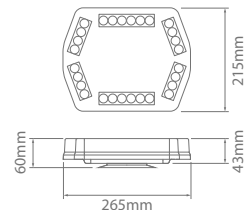
Supplied with optional mounting brackets & hardware.

On/off & pattern select switches



LSA-0110-M

MAX
112
KM/H



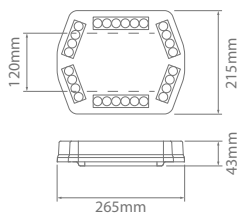
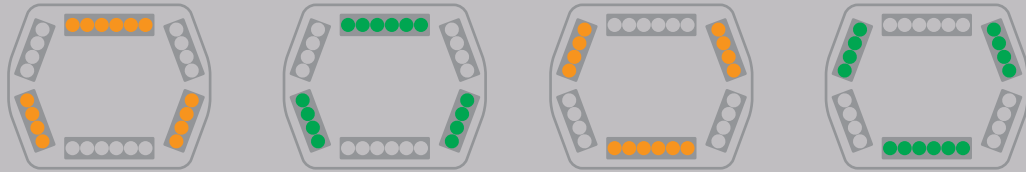
IONNIC LED Micro-Bar – Magnetic NEW

	Amber
Coloured Lens	LSA-0110-M
Clear Lens	LSA-011C-M

Supplied with drawstring carry bag.

Dual Colour

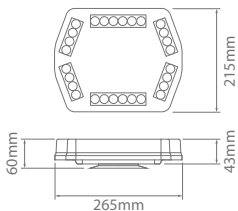
Dual colour IONNIC LED Micro-Bars are built with the latest multi-chip LED technology. With two colours in each LED the Micro-Bar will alternate between colours as part of it's flash pattern. Colours can not be controlled independently.



IONNIC LED Micro-Bar – 4 Bolt – Dual Colour NEW

Clear Lens Amber/Green Amber/White Red/Blue
LSA-088C LSA-0WWC LSA-077C

Supplied with optional mounting brackets & hardware.



On/off & pattern select switches



IONNIC LED Micro-Bar – Magnetic – Dual Colour NEW

Clear Lens Amber/Green Amber/White Red/Blue
LSA-088C-M LSA-0WWC-M LSA-077C-M

Supplied with drawstring carry bag.



Lightbars

Invader LED – Mini-bar



12V
30V

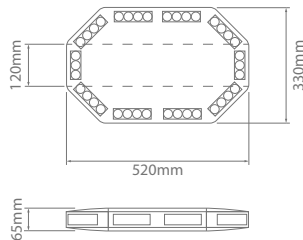
5Yrs

- Ultra low profile lightbar.
- Low current draw.
- 24 flash patterns.
- Latest high output LED technology.
- Robust housing and lens.
- Multi-voltage.
- Supplied with optional mounting brackets.
- Full 360° light dispersion.
- Environmentally sealed LED modules – IP67.
- 5 year warranty.

Operational Voltage :	12–30V
Maximum Current Draw :	3A @ 12V
Flash Patterns :	24
Mount :	4 x M6 Bolts
Lens :	Polycarbonate
Housing :	Anodised Aluminium
End Caps :	ABS
Harness Length:	6.5m
Weight :	4.7kg
Light Source :	8 x 4-LED Modules, 2 x 3-LED Modules
Ingress Protection :	LED Modules IP67
Operating Temperature :	-40°C to 60°C



Supplied with optional mounting brackets & hardware



Invader LED – Mini-bar

Amber **LSA-1110-0** Red **LSA-1550-0** NEW Amber/Green **LSA-1880-0** NEW Red/Blue **LSA-1770-0** NEW

Supplied with optional mounting brackets & hardware.

Lightbars

Invader LED – Deluxe



- Comprehensive controller providing the following features:
 - Integrated traffic director function
 - Real-time display
 - 26 selectable flash patterns
 - Alley light control
 - Control of forward spot/take-down lamps.
- Ultra low profile lightbar.
- Latest high output LED technology.
- Supplied with permanent mount hardware and universal gutter mount kit.
- Easy 2 wire installation.
- Dimming function.
- Colour combinations available upon request.
- 5 year warranty.



12V
30V

5Yrs

Operational Voltage : 12–30V
Maximum Current Draw : 7.5A @ 12V
Flash Patterns : 26
Lens : Polycarbonate
Housing : Anodised Aluminium
End Caps : ABS
Harness Length : 6.5m
Weight : 11.3kg
Light Source : 16 x 4-LED Modules, 2 x 3-LED Modules
Ingress Protection : LED Modules IP67
Operating Temperature : -40°C to 60°C

Alley lights

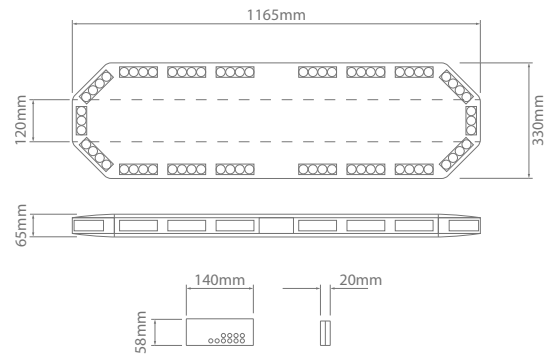
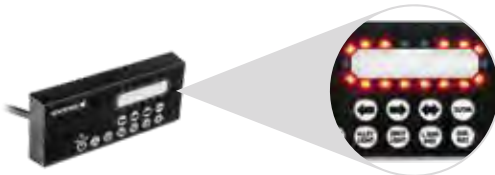


Forward spot/
take-down lamps



Universal gutter
mount kit

Real-time display
showing current
flash pattern



Invader LED – Deluxe

Amber

LSA-200A-11AA

Magenta **NEW**

LSA-266A-11AA

Amber/Green **NEW**

LSA-288A-11AA

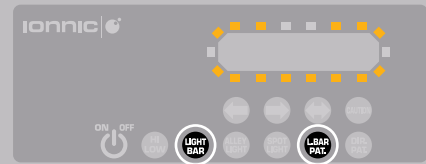
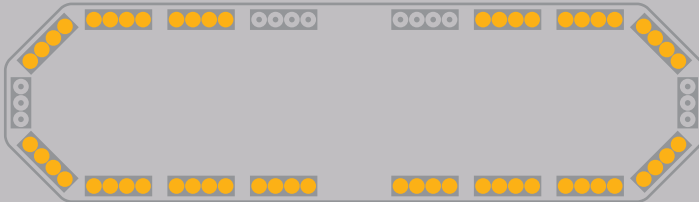
Red/Blue **NEW**

LSA-277A-11AA

Supplied with permanent mount hardware and universal gutter mount kit.

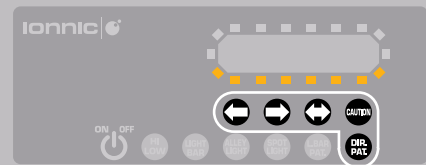
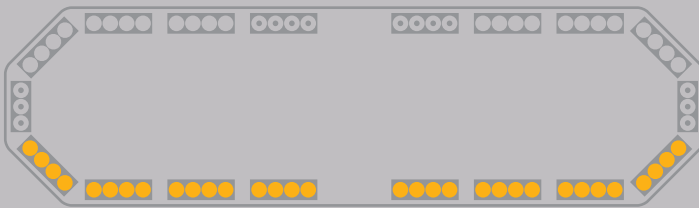
Controller Functions

Lightbar Pattern Mode



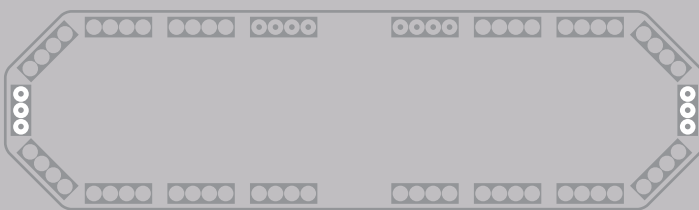
Lightbar Pattern mode controls the majority of LED modules. A range of flash patterns utilising these modules can be selected using buttons highlighted above. Lightbar patterns can be factory locked.

Traffic Director Mode



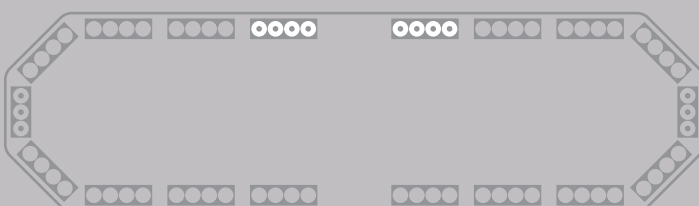
Traffic Director mode controls the rear 8 LED modules. A range of flash patterns can be selected using the 5 buttons on the controller highlighted above. Traffic Director patterns can be factory locked.

Alley Lights



The Alley Light LED modules at either end of the lightbar are controlled via a single dedicated button. These LEDs feature optics for focused light dispersion.

Spot/Take-Down Lights



The Spot/Take-Down Lamps are 2 LED modules situated at the centre-front of the lightbar. These LEDs feature optics for focused light dispersion.



Lightbars

Invader LED



- Ultra low profile lightbar.
- Forward spot/take-down lamps.
- Alley lights.
- Latest high output LED technology.
- Robust housing and lens.
- Supplied with permanent mount hardware and universal gutter mount kit.
- Dimming function.
- Different colour LEDs and end caps available upon request.
- 5 year warranty.

12V
30V

5Yrs

Operational Voltage : 12-30V
Flash Patterns : 30
Lens : Polycarbonate
Housing : Anodised Aluminium
End Caps : ABS
Harness Length : 6.5m
Ingress Protection : LED Modules IP67
Operating Temperature : -40°C to 60°C



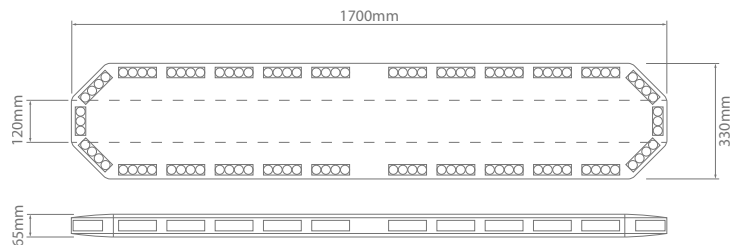
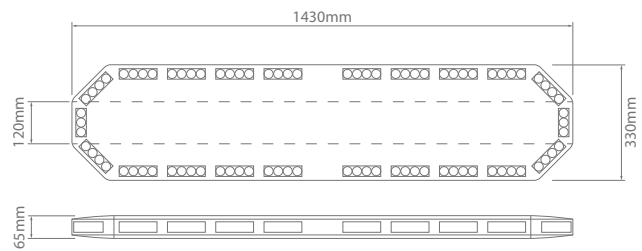
Alley lights



Forward spot/
take-down lamps



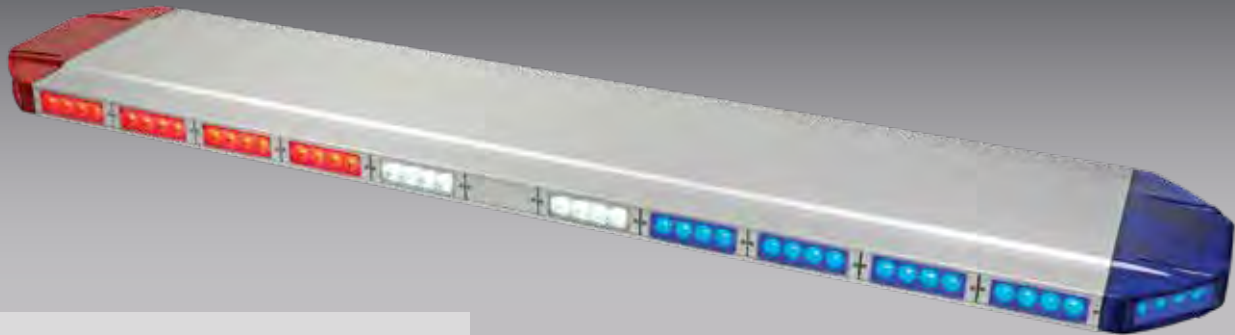
Universal gutter
mount kit



Invader LED

Amber	Length	Light Source	Max. Current Draw	Weight
LSA-400A-11AA	1430mm	20 x 4-LED Modules, 2 x 3-LED Modules	8.2A @ 13.8V	19.2kg
LSA-600A-11AA	1700mm	24 x 4-LED Modules, 2 x 3-LED Modules	10.4A @ 13.8V	21.8kg

Supplied with permanent mount hardware and universal gutter mount kit.



A range of options are offered for the Invader lightbar series.
Please refer to your local IONNIC reseller if you have a requirement not shown here or elsewhere in this catalogue.

Fixed Message Board NEW

Programmable LED message display with in-cab touch screen controller.
Easily create/edit custom messages using supplied software.
See page 104 for more details.



Coloured End Caps

End caps available in multiple colours including **amber**, **red**, **blue**, or **magenta**.

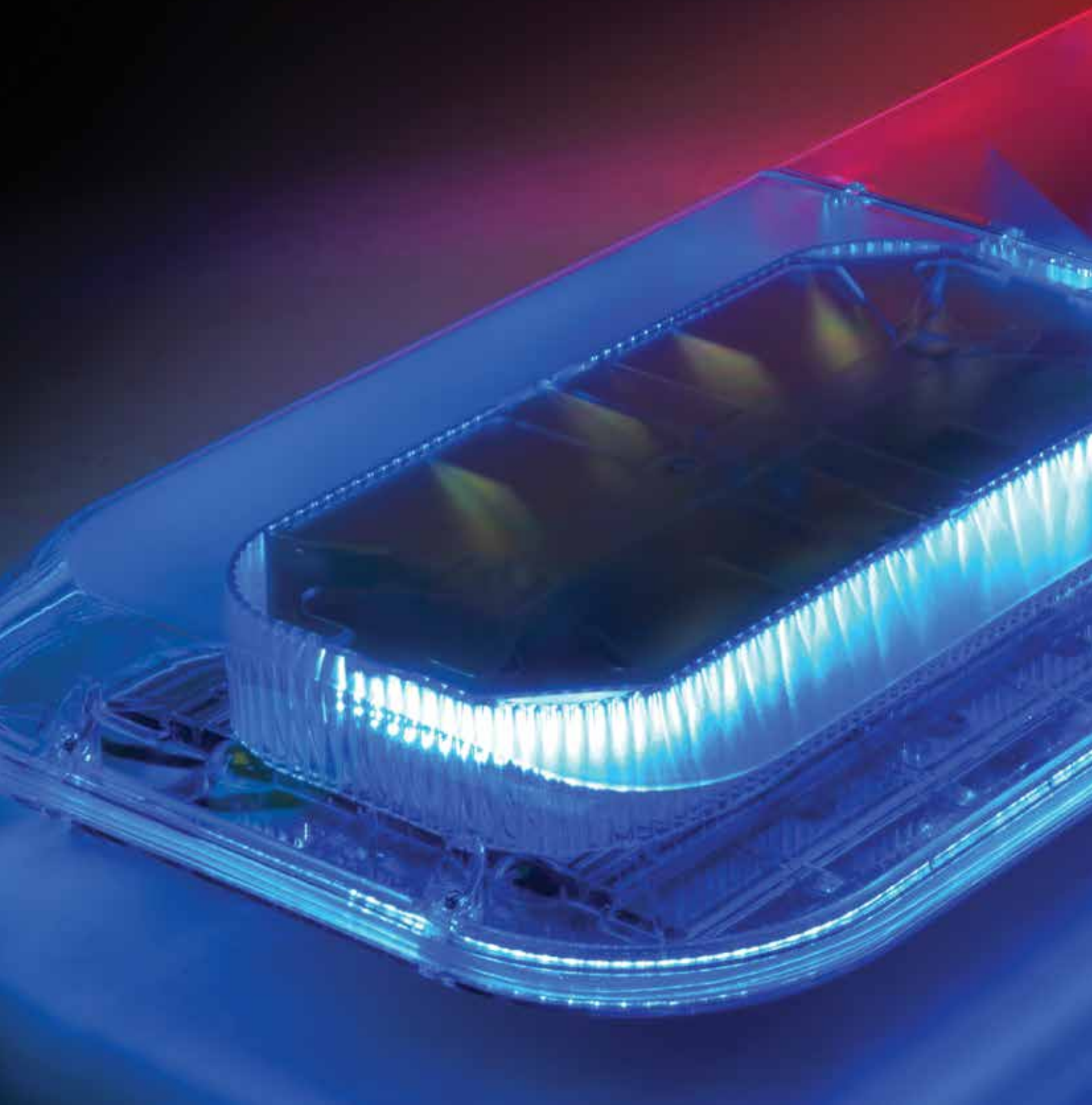


LED Colours

Each LED module can be either **amber**, **red**, **blue**, **magenta**, **green**, or white.



Introducing the new
ionnic
Starbar





Lightbars

IONNIC Starbar – Razor

NEW

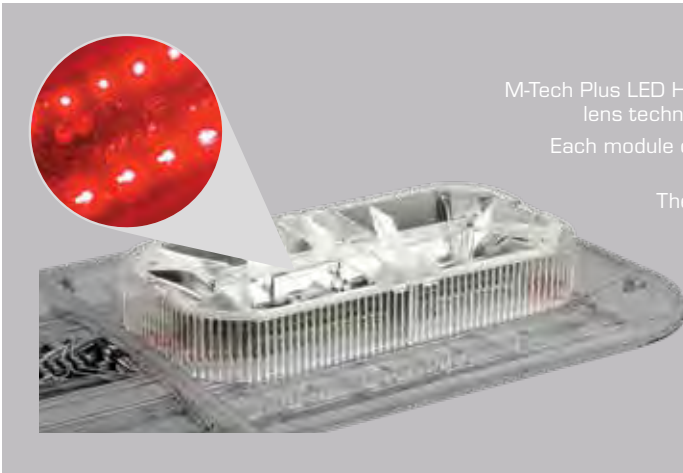


STR227-9999-AAA

- Low profile – 70mm.
- Options including universal controller, scene lighting, various lens and LED colours.
- Low voltage warning.
- Durable polycarbonate injection moulded domes with Star "diamond coated" finish.
- Super bright M-Tech Plus high intensity LED heads.
- Multi-voltage.
- Available in 4 different lengths.
- Various lens colours available.
- Assembled in Australia using components designed and manufactured in the USA.
- 5 Year Warranty



Operational Voltage : 9-32V
 Average Current Draw : 6.5A @ 12V
 Lens : Polycarbonate
 Base : Extruded Aluminium
 Approvals : SAE Class 1, ECE Reg10 & Reg65



M-Tech Plus® LED Heads

M-Tech Plus LED Heads are enclosed modules containing the latest in LED & lens technology to produce an exceptional and precise visual output.

Each module contains high power LED's housed in a patented 360° lens using mirrors to refract and enhance light output.

The modules are available in a clear lens with coloured LEDs.

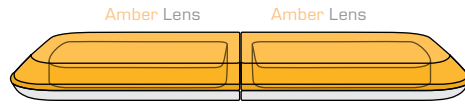
M-Tech Plus LED Heads incorporate a low voltage warning system. This feature senses the input voltage and flashes a fast pattern (approximately 16 cycles per second) to indicate the system voltage is low. Once the input voltage returns to normal (greater than 12V/24V) the flash pattern returns to normal. The low voltage warning system indicates a power supply fault.



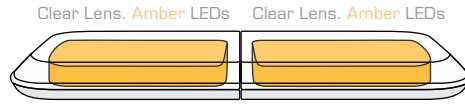
IONNIC Starbar – Razor – 920mm NEW

Part No.

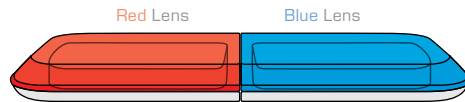
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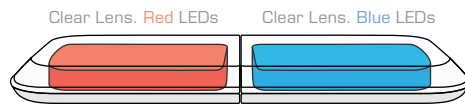
STR120-9A9A-AAA



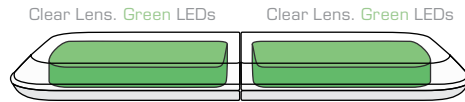
STR127-7A9A-AAA



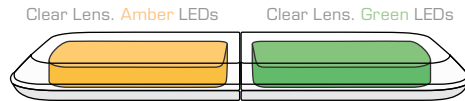
STR127-9A9A-AAA



STR124-9A9A-AAA



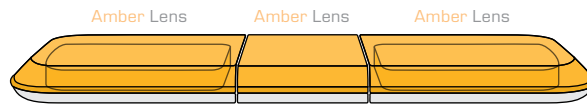
STR12S-9A9A-AAA



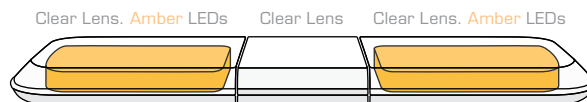
IONNIC Starbar – Razor – 1170mm NEW

Part No.

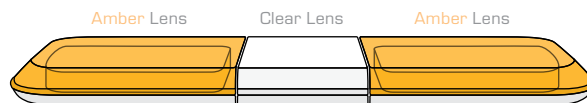
STR220-0099-AAA



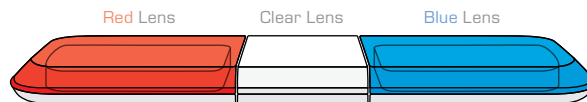
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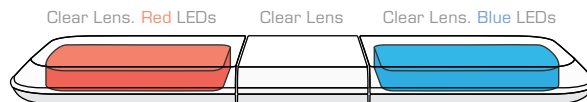
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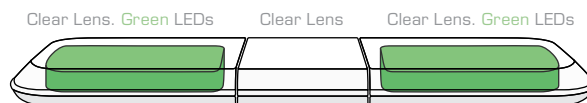
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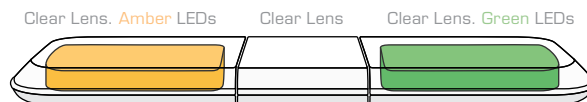
STR227-9999-AAA



STR224-9999-AAA



STR22S-9999-AAA

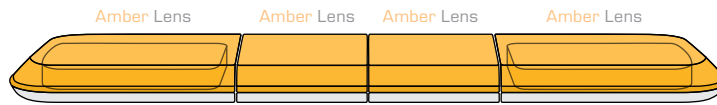


Lightbars

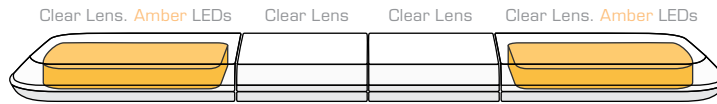
IONNIC Starbar – Razor – 1425mm NEW

Part No.

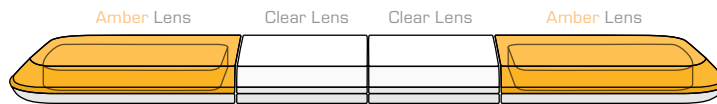
STR320-0099-AAA



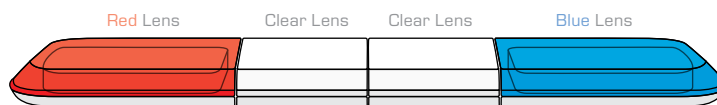
STR320-9999-AAA



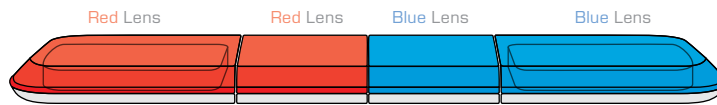
STR320-0909-AAA



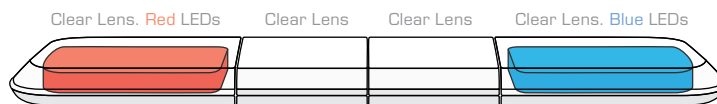
STR327-7999-AAA



STR327-7799-AAA



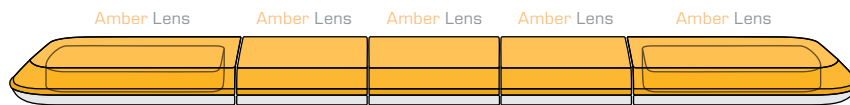
STR327-9999-AAA



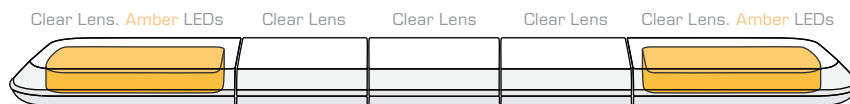
IONNIC Starbar – Razor – 1680mm NEW

Part No.

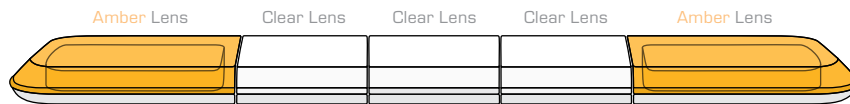
STR420-0099-AAA



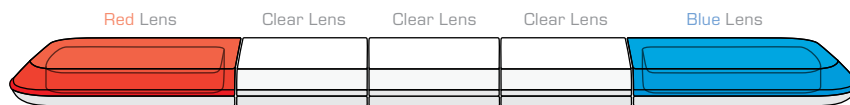
STR420-9999-AAA



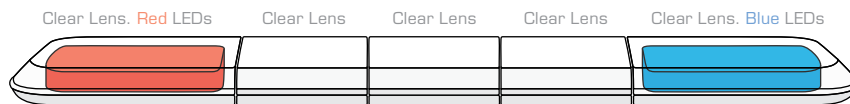
STR420-0999-AAA



STR427-7999-AAA



STR427-9999-AAA



Lens Colours

Amber, red, blue and clear – upper lenses only. All lower lenses are clear.



M-Tech Head Colours

Amber, red, blue or green.
Magenta available on request.

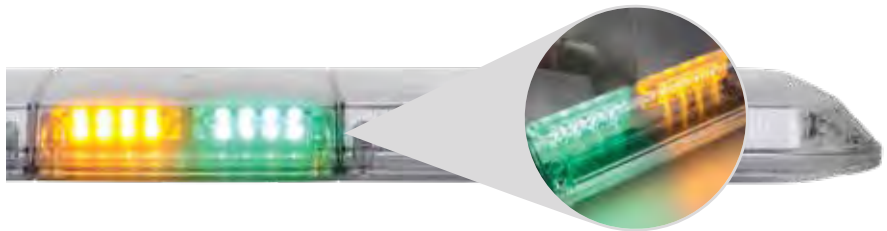


Superslim LED Modules

Forward and/or rear facing Superslim 3W high output LED modules.

2 x 4 LED modules per side, per centre section, with a maximum of 8 LED modules per lightbar.

Amber, red, blue, green, or white.



LED Scene Lights

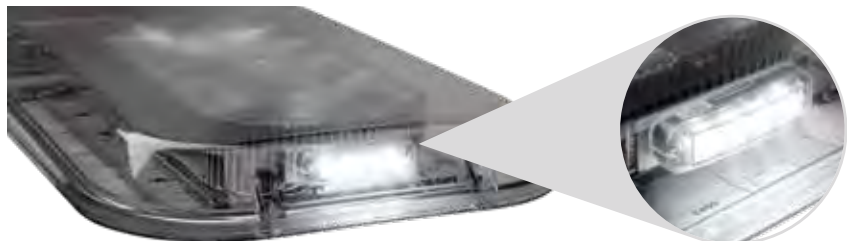
Forward or rear facing scene lights providing continuous illumination.

Not available with coloured lenses or magenta M-Tech heads.



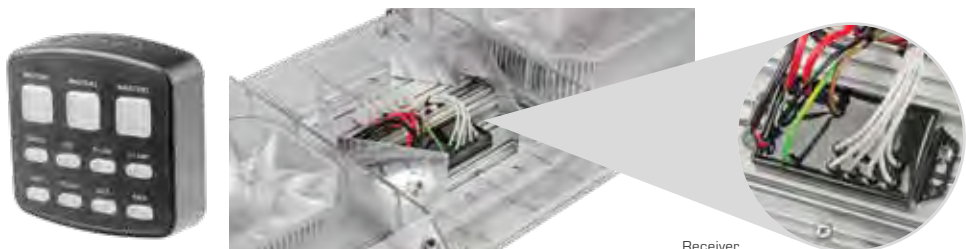
LED Alley Lights

High output 4 LED modules situated at ends of lightbar dispersing light to sides of vehicles.



ICS Switch Panel

Universal switch controller. For more info see page 8.

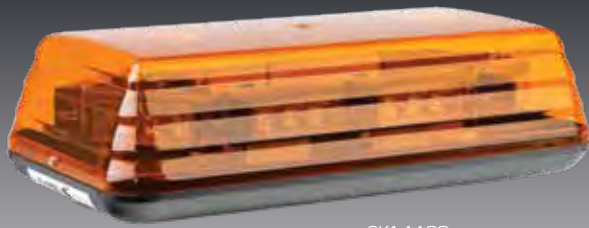


Receiver



Lightbars

LED Blaze



6K1.AA00



691.AA00

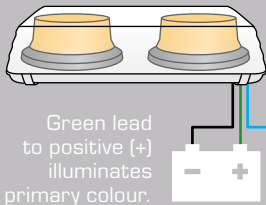
12V
24V

- Available with 103 Series LED beacons.
- Latest high output LED technology.
- Low current draw.
- Robust polycarbonate base and lens.
- Available in 6 lens colours. Other colour combinations available upon request.
- Available with clear lens and coloured LEDs.
- Select 360 Series Blaze feature dual colour beacons allowing colour changing control.
- Magnetic version 2.6m lead length – plug fits standard cigar/DIN socket.
- Multi-voltage.

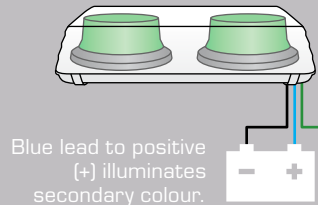
Voltage : 12–24V
Current Draw Per LED Module : 0.35A @ 12V
Current Draw 360 Series : 3.2A @ 12V
Light Source : LED
Mount : 2 x 13mm Bolts / Magnetic
Lens : Polycarbonate
Base : Polycarbonate
Ingress Protection : LED Modules IP67

360 Series Colour Change Control

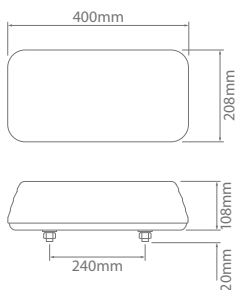
Primary Colour Mode



Secondary Colour Mode



Dual Colour Mode



IONNIC 103 Series LED Beacon

691.AA00



NEW

LED Blaze – 360 Series

NEW

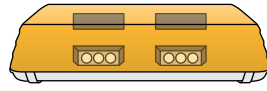
	Amber	Blue	Green	Red	Amber/Green	Red/Blue
Clear Lens	691.AA0C	691.AA1C	691.AA4C	691.AA5C	691.AASC	691.AA7C
Coloured Lens	691.AA00	691.AA10	691.AA40	691.AA50	691.AASO	691.AA70
Colour Change (Clear Lens)	—	—	—	—	690.AASC	690.AA7C

300mm free length of cable.

Lightbars



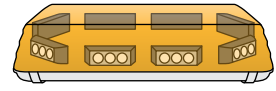
4 Module - Corners



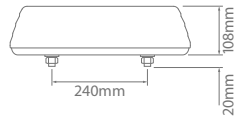
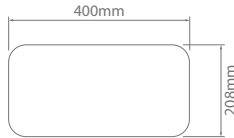
4 Module - Front / Rear



6 Module



8 Module



6K1.AA00

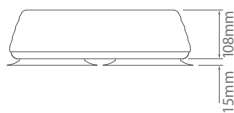
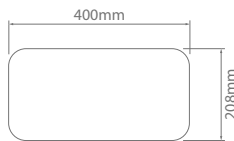


LED Blaze – 2 Bolt



	Amber	Blue	Green	Red	Red/Blue
4 Module - Corners	6J1.AA00	6J1.AA10	6J1.AA40	6J1.AA50	6J1.AA70
4 Module - Front/Rear	6M1.AA00	6M1.AA10	6M1.AA40	6M1.AA50	6M1.AA70
6 Module	6L1.AA00	6L1.AA10	6L1.AA40	6L1.AA50	—
8 Module	6K1.AA00	6K1.AA10	6K1.AA40	6K1.AA50	6K1.AA70

300mm free length of cable.



6K1.AA70.M

LED Blaze – Magnetic



	Amber	Blue	Green	Red	Red/Blue
4 Module - Corners	6J1.AA00.M	6J1.AA10.M	6J1.AA40.M	6J1.AA50.M	6J1.AA70.M
4 Module - Front/Rear	6M1.AA00.M	6M1.AA10.M	6M1.AA40.M	6M1.AA50.M	6M1.AA70.M
6 Module	6L1.AA00.M	6L1.AA10.M	6L1.AA40.M	6L1.AA50.M	—
8 Module	6K1.AA00.M	6K1.AA10.M	6K1.AA40.M	6K1.AA50.M	6K1.AA70.M

2.6m lead to cigar/DIN plug.

Lenses

Part No.	Colour
910381	Amber
910385	Blue
910383	Green
910389	Magenta
910384	Red
910386	Clear



Spares

Part No.	Description
103000	103 Beacon – Amber
103200C	103 Beacon – Blue
103300C	103 Beacon – Green
103400C	103 Beacon – Red
103500C	103 Beacon – Amber/Green
103700C	103 Beacon – Red/Blue



Lightbars

Blaze



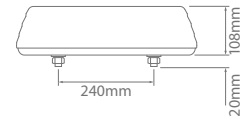
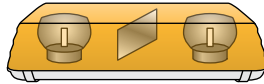
601.AA01.M

- Advanced Free-form optics.
- Two bolt mounting option with all cables passing through one outlet.
- Robust polycarbonate base and lens.
- Available in 6 lens colours. Dual colour combinations available upon request.
- Magnetic version 2.6m lead length – plug fits standard cigar/DIN socket.

Max. Current Draw : 8.7A @ 12V
 Light Source : 2 x H1 Bulb
 Flash Rate : 160FPM
 Mount : 2 x 13mm Bolts / Magnetic
 Lens : Polycarbonate
 Base : Polycarbonate



601.AA01

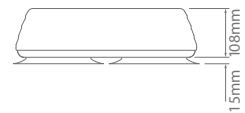
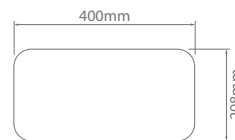
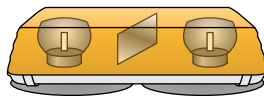


Blaze – 2 Bolt

	Amber	Blue	Green	Red	Amber/Green	Red/Blue
12V	601.AA01	601.AA11	601.AA41	601.AA51	601.AAS1	601.AA71
24V	601.AA02	601.AA12	601.AA42	601.AA52	601.AAS2	601.AA72

300mm free length of cable.

601.AA71.M



Blaze – Magnetic

	Amber	Blue	Green	Red	Red/Blue
12V	601.AA01.M	601.AA11.M	601.AA41.M	601.AA51.M	601.AA71.M
24V	601.AA02.M	601.AA12.M	601.AA42.M	601.AA52.M	601.AA72.M

2.6m lead to cigar/DIN plug.



Lenses

Part No.	Colour
910381	Amber
910385	Blue
910383	Green
910389	Magenta
910384	Red
910386	Clear



Spares

Part No.	Description
999557	Module no bulb
910336	Reflector only
905077	Mirror
1332002	Cigar Plug
64150	H1 Bulb – 12V, 55W
64155	H1 Bulb – 24V, 70W
945035	Drive Belt
920004	Bulb Clip



Lightbars

Rotating LED Mini-Bar



- True rotating LED.
- Heavy duty, virtually unbreakable.
- Patented 'Hybrid Drive' technology. No gears, no belts, no brushes.
- SAE Class 1 rated output.
- Die-cast metal base.
- LEDs rated to 50,000 hours of operation.
- Low current draw.
- UV hard coated polycarbonate lens.
- Multi-voltage.
- 5 year warranty.

Voltage :	12-24V
Current Draw :	2.6A @ 12V 1.3A @ 24V
Flash Rate :	120FPM (per rotator)
Mount :	4 x M5 Bolts
Lens :	Polycarbonate
Base :	Die-cast
Approvals :	SAE J845 Class 1
Operating Temperature :	-30°C to 50°C
Light Source :	16 x 3W LED
Cable Length :	300mm



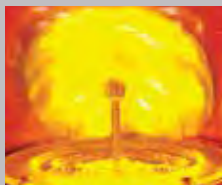
Rotating LED Technology

Patented Hybrid Drive technology – no gears, no belts, no brushes to wear out.

Vision Alert Rotating LED products avoid problems typically found in gear or belt driven beacons by using a direct-drive stepper motor.

Rotating Light Output.

The light emitted from the 8 LEDs is collimated into a beam that shines straight up from the base. A double sided mirror is mounted to the shaft of the direct-drive stepper



motor at 45° to intercept the beam and is rotated in a 360° circle to sweep the beam much like a standard halogen rotator.

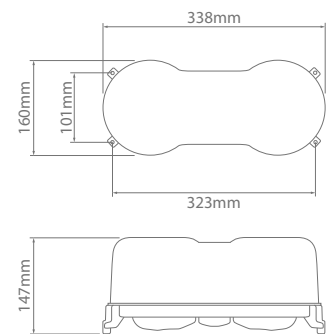
Longer life of LEDs over alternative lighting.

By default LEDs provide a longer working life and greater resistance to vibration over alternative forms of lighting.

Lower current draw from LEDs.

LEDs require less current draw to provide an equal or greater light output compared to alternative lighting technologies.

- Rotating LED Mini-Bar – 2.6A @ 12V
- Blaze Halogen Rotating – 8.7A @ 12V



Rotating LED Mini-Bar – 4 Bolt



Amber
109000

Supplied with fitting hardware including rubber shock mounts.

Lightbar Scale Comparison

Hybrid-Bar



230mm

Nano-Bar



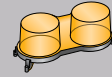
165mm

Micro-Bar



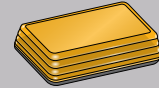
265mm

Rotating LED Mini-Bar



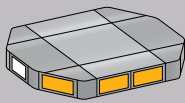
338mm

Blaze

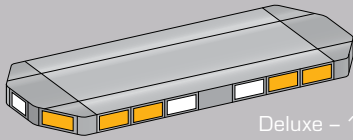


400mm

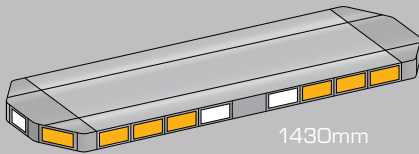
Invader LED



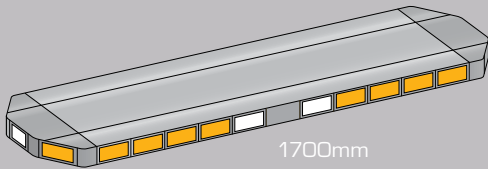
Mini-Bar – 520mm



Deluxe – 1165mm

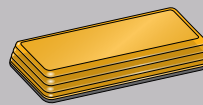


1430mm

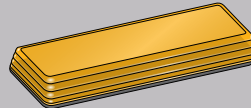


1700mm

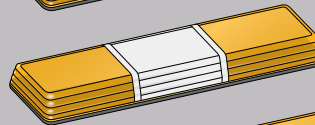
Evolution Lightbar



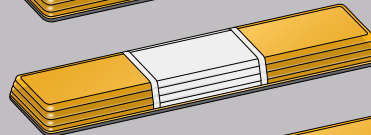
570mm



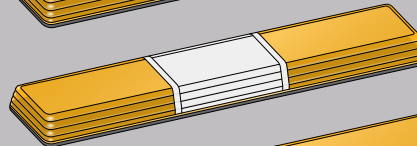
742mm



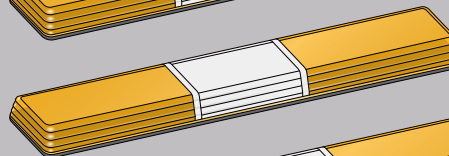
1000mm



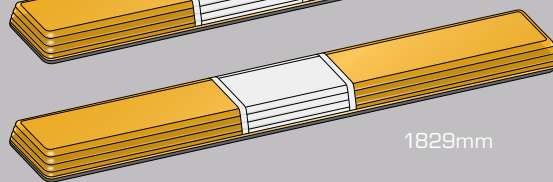
1212mm



1372mm

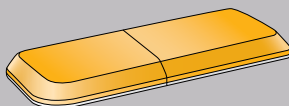


1524mm

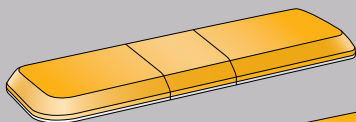


1829mm

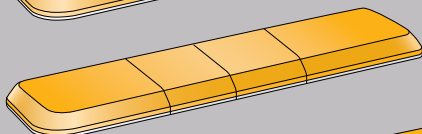
Starbar – Razor



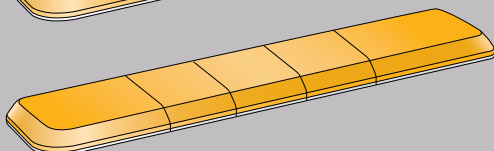
920mm



1170mm



1425mm



1680mm

Hybrid-Bar  62mm

Nano-Bar  44mm

Micro-Bar  43mm

Rotating LED Mini-Bar  147mm

Blaze  108mm

Invader LED  65mm

Evolution Lightbar  108mm

Starbar – Razor  70mm



Lightbars

Evolution



- Virtually unlimited build combinations to your specification.
- Superior visibility.
- Rotating and LED versions available.
- Rotating reflector incorporating Free-form optics.
- Lowest profile lightbar available to include rotators only 108mm in height.
- Proven dual voltage belt drive, incorporating whisper quiet rotators.
- All lightbars supplied with permanent bolt-down mounting kit.
- Assembled in Australia.

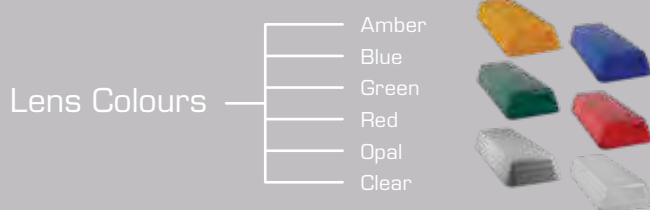
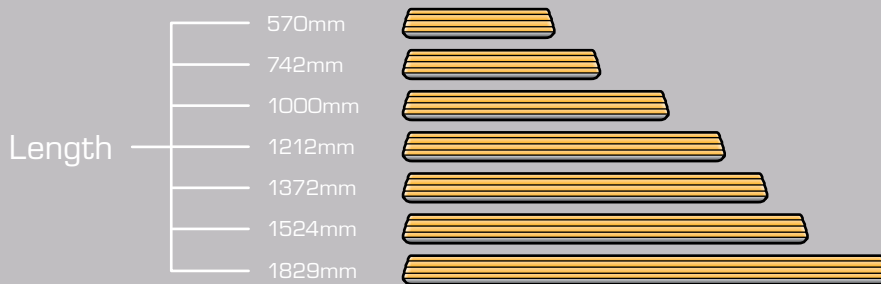
Built to order.
Lead times apply



Lens :
Base :
Height :
Harness Length :

Polycarbonate
Aluminium
108mm
3m

All Evolution Lightbars are Built to Order



Add
Some
Options

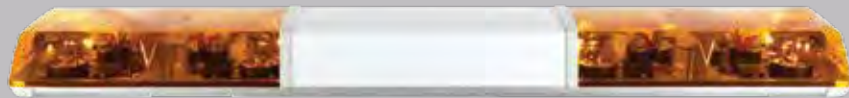
Alley Lights

Twin 35W halogen dichroic lamps situated at ends of lightbar dispersing light to sides of vehicles.



Illuminated Centre

Opaque lenses with internal illumination at various lengths.



Halogen Lamps

Forward and rear facing halogen lamps providing continuous illumination or alternating wig-wag flash patterns.



Signage

Custom lettering to suit individual requirements.

For individual company logos please see reseller for details.



M5 Matrix Display

Programmable LED message display with in-cab touch screen controller.

Easily create/edit custom messages using supplied software.

See page 104 for more details.



ICS Switch Panel

CAN-based universal switch controller.

For more info see page 8.

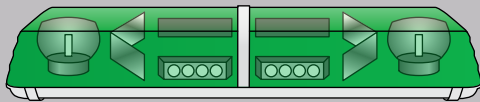


Lightbars

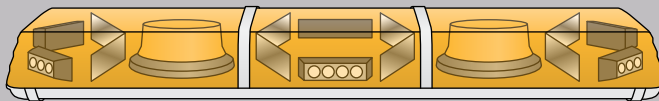
Examples of potential Evolution lightbar configurations.



570mm



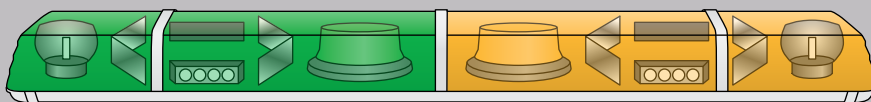
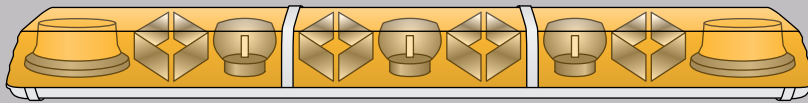
742mm



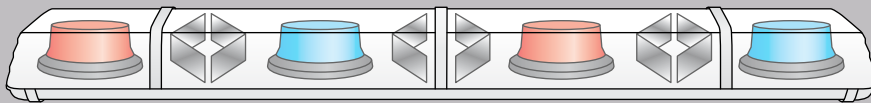
1000mm



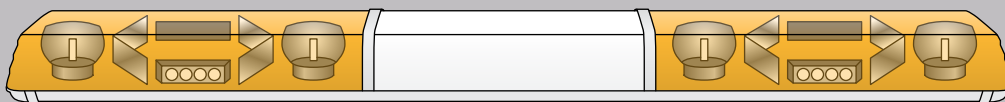
1212mm



1372mm



1524mm



1829mm

