

EL2018

EL 2018

Emergency Lighting

ionnic | 

Auto Electrical Imports
30th
ANNIVERSARY
1987-2017



Auto Electrical Imports



1987 - 2017

Mission Statement

To become the preferred supplier of electrical, lighting and safety solutions for mobile plant and equipment in the mining and services industry.

We will continue to improve and expand our range of products that meet and exceed OEM standards, maintaining the latest technology and innovation available backed by technical support and supply.

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What's new in EL2018

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Introducing the new

IONNIC

ICS Switch Panel

New vehicles have proven to be increasingly difficult when it comes to installing electrical accessories, including finding a location to place the required number of switches.

With this in mind IONNIC has developed an advanced switching system able to directly control the majority of products in the IONNIC range.

The IONNIC ICS Switch Panel features 8 individual switches and 3 programmable master switches, capable of activating any combination of those 8 circuits, with one press of a button. All of this contained in a stylish, compact and easy to install back-lit panel that looks at home in cars, 4WD's, trucks or earthmoving equipment.

Developed specifically to control LED lighting and other electronic automotive accessories, the multi-voltage ICS Switch Panel has built-in circuit protection, eliminating the need for fuses or circuit breakers and has a maximum output of 40A across the 8 circuits.

For more information see page 8.





Switching Systems

ICS Switch Panel

8

ESM

10

ESM Mini

12

Switching Systems

ICS Switch Panel

NEW



- Developed to control lighting and other electronic automotive accessories.
- Incorporates the latest in onboard circuit protection and monitoring technology.
- Each output surge protected to 6A.
- 3 user configurable master switches.
- All switches can be set to latching or momentary.
- Mounting point on back of switch panel – use with common 1/4" thread adjustable mounts.
- Epoxy encapsulated receiver module for enhanced moisture and vibration protection.
- Includes 4 decals.
- 8 outputs (6A each).
- Multiple outputs can be combined to allow switching of high current loads.
- Eliminates excess wiring.
- Multi-voltage.
- Compact design.

12V
24V

Voltage :	12–24V
Outputs :	8
Max. Output Current Rating (per output) :	6A
Max. Output Current Rating (total) :	40A
Cable Length :	4.5m
Construction :	ABS
Operating Temperature :	-40°C to 85°C

The ICS Switch Panel has been developed to control all types of lighting and other electronic automotive accessories.

The switch panel and receiver communicate using a proprietary signal which allows the switching system to be configured using a single receiver module for typical applications, or with additional slave receiver modules on larger systems or vehicles.

The ICS Switch Panel incorporates the latest in onboard circuit protection technology. In the event of a short circuit the system immediately turns off the affected output preventing damage to the switch panel and devices controlled by it.

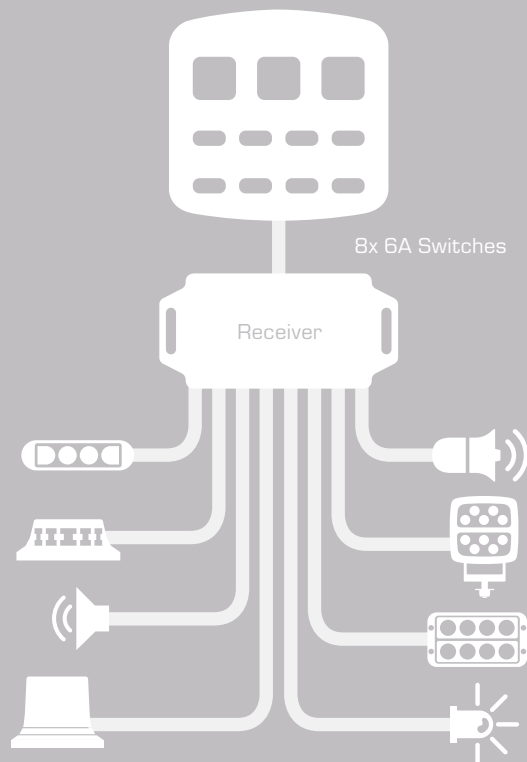


The panel provides real time feedback to the operator via LED's on both the panel and receiver module as to the state of each output.

In the event of an intermittent short circuit the output of the affected circuit will turn off and remain off for 4 seconds.

After this period of time the ICS will check the circuit, if no short is present it will automatically turn the output back on.

All circuits are monitored and controlled independently. In the case of a short circuit only the affected output is isolated while all others remain operational.

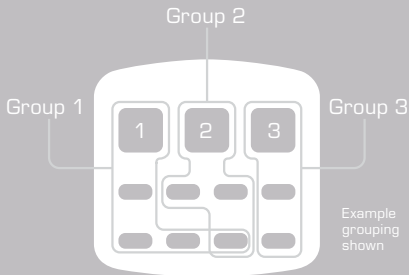


Switching Systems

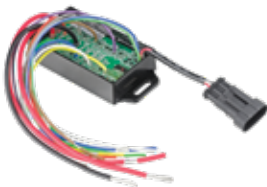
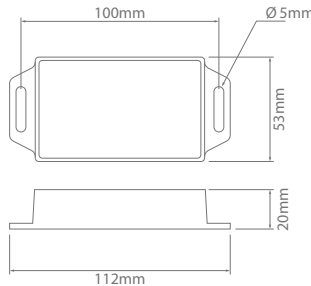
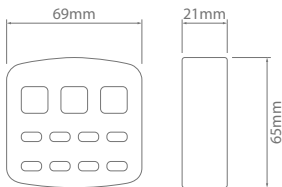
Master Switches

The ICS switch panel features 3 user configurable master switches. These switches can be used to link any combination of the 8 individual switches together to allow activation of multiple circuits via the switching of a single button.

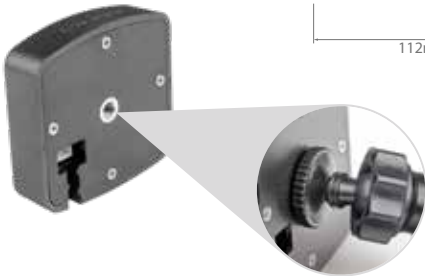
Note individual switches can be associated to more than one master switch.



Custom assign any number of buttons to one of the three master switches.



Receiver Module



Mounting point on back of switch panel – use with common 1/4" thread adjustable mounts. Not supplied with mount.

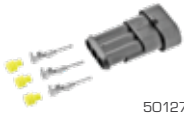
ICS Switch Panel Kit

NEW

Part No.	Voltage	Kit Contains:
ICS-01	12-24	1 x Switch Panel 1 x Receiver Module 1 x 4.5m Cable (Switch Panel to Receiver)
		4 x Overlay Function Decals 1 x Mounting Screws & Washers 1 x Double-sided Mounting Tape



ICS-01S



50127



50128



HT-4301

Accessories & Related Products

Part No.	Description
ICS-01S	Slave Receiver Module
50127	AMP Superseal kit – 3 circuits – Receptacle
50128	AMP Superseal kit – 3 circuits – Plug
HT-4301	Parallel Crimping tool



Switching Systems

ESM



- Electronically monitored switch centre with inbuilt circuit monitoring and protection.
- Each output surge-protected to 10A.
- 10 inputs, 13 outputs.
- 1 grouped input – 4 separate outputs
- On board LEDs indicate circuit output.
- Saves space and installation time.
- Multi-voltage
- Environmentally sealed – IP67.
- Available in positive, or positive/negative switched models.

Voltage :	12–24V
Current Draw :	10mA @ 13.8V
Inputs :	10
Outputs :	13
Max. Output Current Rating (per output) :	7.5A
Max. Output Current Rating (total) :	50A
Construction :	Polycarbonate
Ingress Protection :	IP67
Approvals :	C-Tick
Operating Temperature :	-40°C to 85°C

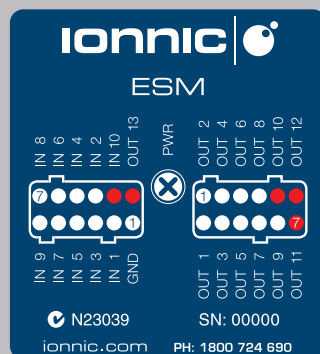
The ESM is an electronically monitored switch centre with inbuilt circuit monitoring and protection.

The unit can be used in any application in which conventional circuit protection may have been used in the past.

The ESM can be used for any application from connecting auxiliary lighting off original vehicle tails lights, eg Minebar hook up, to using it to monitor and protect a range of auxiliary equipment switched off the original vehicle inputs or after market toggle, rocker switches etc.

If a short or over current condition presents on any of the outputs then the output will shut down. This will then cycle 3 times (on/off).

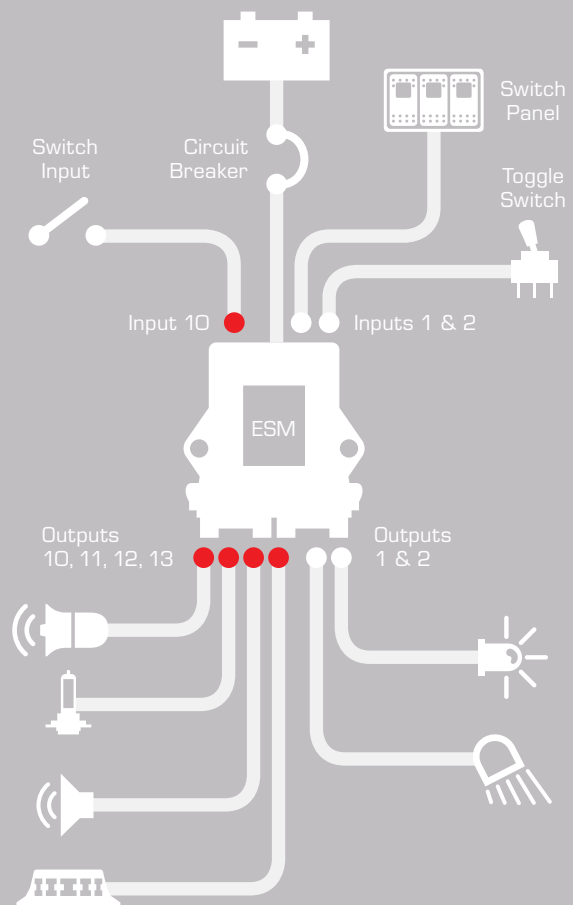
If the over current situation is still present the output will then shut down permanently until the input is turned off.



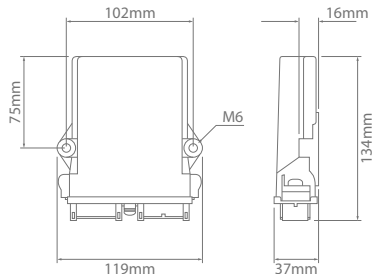
Inputs 1 to 9 controls outputs 1 to 9 respectively.

Input 10 controls outputs 10, 11, 12, 13.

Inductive loads must not be used on the input or output circuits without additional external protection. Failure to do so will result in damage to the unit and will void warranty.



Switching Systems



ESM

Part No.	Switching	Notes
ESM0013	Positive	—
ESM2013	Positive & Negative	ESM2013 will switch on both positive or negative inputs, diodes may be required to prevent false triggering.



Accessories & Related Products

Part No.	Description
ESM9001	Connection Kit
DE-DET-20	Crimp tool. Size 20
HDT-48-00	Crimp tool. Size 12, 16, 20 & 22
DE-DET-RT	Multi-use hook tool
CB285XX	Circuit breaker – Surface Mount Series XX are current rating (A), available in 25, 30, 40, 50, 60, 70, 80, 100, 120, 150
CB255-XX	Circuit breaker – Panel Mount Series XX are current rating (A) in numbers, available with 10, 15, 20, 25, 30, 35, 40, 50
AMIXX	AMI Fuse Series XX are current rating (A) in numbers, available with 30, 40, 50, 60, 70, 80, 100, 125, 150, 175, 200
AMIFH	AMI Fuse holder – Surface Mount



Switching Systems

ESM Mini



- Electronically monitored switch module with inbuilt circuit monitoring and protection.
- Each output surge protected to 8A.
- 6 inputs, 6 outputs – 12V.
- 5 inputs, 5 outputs – 24V.
- Compact design.
- Save space and installation time.
- Eliminates excess wiring.
- Multi-voltage.
- Epoxy encapsulated for enhanced moisture and vibration protection.

12V
24V

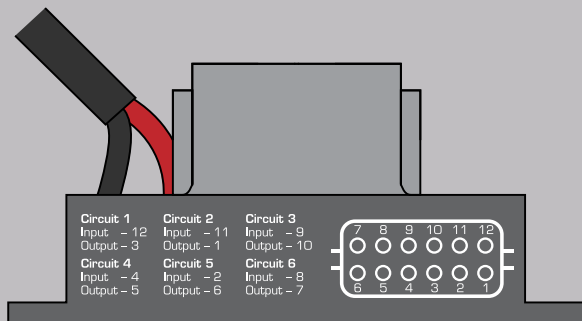
Voltage :		12–24V
Inputs :	6 x 12V	5 x 24V
Outputs :	6 x 12V	5 x 24V
Max. Output Current Rating (per output) :		7A
Max. Output Current Rating (total) :		20A
Housing :		ABS
Cable Length :		120mm
Operating Temperature :		-40°C to 85°C

The ESM Mini is a compact, electronically controlled switch module with inbuilt circuit monitoring and protection.

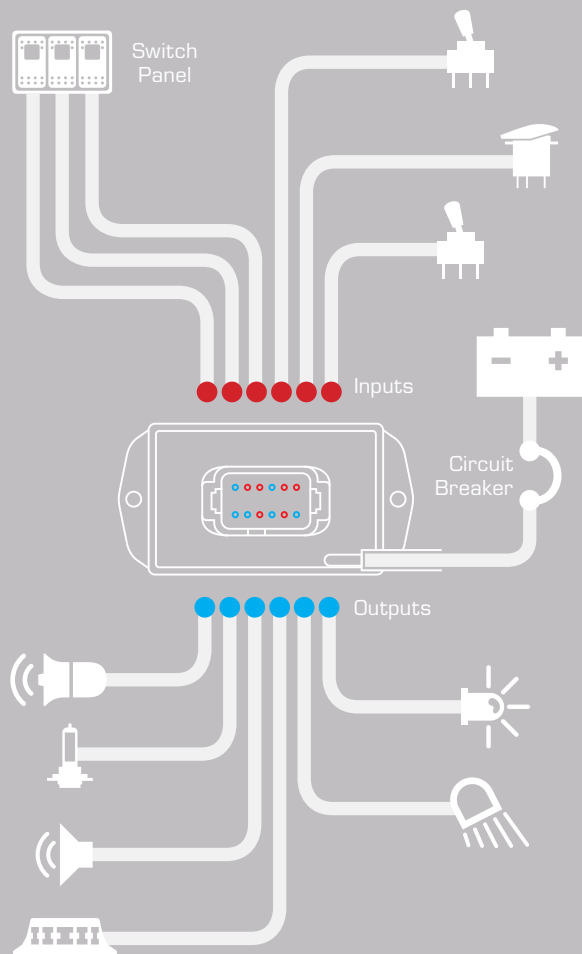
The unit can be used in any application where conventional circuit protection may have been used in the past.

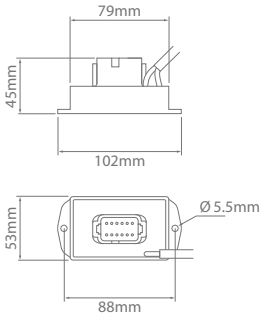
The ESM Mini can be used for any application, from connecting auxiliary lighting off original vehicle tails lights, eg Minebar hook up, to monitoring and protecting a range of auxiliary equipment switched off the original vehicle inputs or from after market toggle, rocker switches etc.

If a short circuit or over current condition presents on any of the outputs then the affected output will shut down. This circuit will then cycle 3 times (on/off) and if the over current situation is still present the output will then be locked in the off state until the fault is rectified and the input is reset.



Inductive loads must not be used on the input or output circuits without additional external protection. Failure to do so may result in damage to the unit and will void warranty.





ESM Mini Kit

Part No.	Switching	Kit Contains :
ESM006	Positive	<ul style="list-style-type: none"> 1 x ESM006 Control Module 1 x Connector (DT06-12SA) 1 x Wedge (W12S) 8 x Sealing Blank Size 12-6 (114017) 12 x Socket Size 16 Green Band (0462-209-16141) 1 x Connector (DTPO6-2S) 1 x Wedge (WP2S) 2 x Socket Size 12 (0462-203-12141)



DE-DET12, DE-DET16



HDT-48-00



DE-DET-RT



CB255-XX



P-WSBFH/5



BF30/10

Accessories & Related Products

Part No.	Description
DE-DET12	Crimp tool. Size 12
DE-DET16	Crimp tool. Size 16
HDT-48-00	Crimp tool. Size 12, 16, 20 & 22
DE-DET-RT	Multi-use hook tool
CB255-XX	Circuit breaker – Panel Mount Series XX are current rating (A) in numbers, available with 10, 15, 20, 25, 30, 35, 40, 50
P-WSBFH/5	ATC fuse holder kit – 30A Kit Contains: 5 x Housing, 5 x Plugs, 10 x Terminals
BFXX/10	ATC/ATO Blade Fuses, pack of 10 XX are current rating (A) in numbers, available with 1, 2, 3, 4, 5, 7.5, 10, 15, 20, 25, 30, 40





LED Technology

Unrivalled lifespan 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.



Magnetic Bases

Magnetic based beacons are available in four speed ratings.

Maximum safe road speed is indicated in each relevant product table.

For beacons to mount successfully they must be attached to a clean, flat, dry, non porous, ferrous surface.



Lighting Symbols



Rotating LED
LED light source
with rotating
reflector



LED



Rotating Halogen
Halogen bulb light
source with rotating
reflector



Strobe
Xenon tube



Beacons

IONNIC 103 LED	16
IONNIC 103 LED – Dual Colour	17
IONNIC 106 LED	18
Rotating LED	20
IONNIC 105 LED	22
IONNIC 101 LED	24
IONNIC 111 LED	25
Midi Vision	26
500 Series	28
Heavy Duty Xenon	30
Midi Xenon	31
Mini Vision	32
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Beacons

IONNIC 103 LED

NEW



103010

12V 24V IP67 5Yrs

- SAE class 1 rated output.
- 12 flash patterns.
- Vibration resistance rated to SAE J575.
- Polycarbonate lens for high durability.
- Low current draw.
- 103 & 106 beacons can be synchronised.
- Multi-voltage.
- Environmentally sealed – IP67.
- Aerodynamic low profile.
- Magnetic version features cigar plug with integrated on/off & pattern select switches.
- 5 year warranty.

Voltage : 12–24V
Current Draw : 3.2A @ 12V
Flash Patterns : 12
Lens : Polycarbonate
Base : Aluminium
Approvals : ECE R10, ECE R65 (Amber & Blue)
 SAE J845 Class1 (Amber)
Ingress Protection : IP67
Operating Temperature : -30°C to 50°C
Light Source : 18 x 3W LED

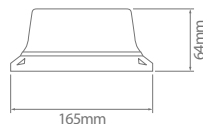
On/off and pattern select



103000 illuminated



Clear lens with coloured LED illumination

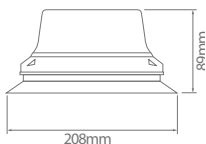


IONNIC 103 LED – 3 Bolt NEW

	Amber	Blue	Green	Red
Coloured Lens	103000	—	—	—
Clear Lens	103000C	103200C	103300C	103400C

Supplied with 3 x M6 bolts, nuts, shake-proof washers & base gasket.
 Mounting: 3 x Ø 7mm holes @ 151 PCD.
 230mm free length of cable.

MAX 110 KMH



IONNIC 103 LED – Magnetic NEW

Coloured Lens **103010**

3.5m lead to cigar plug with on/off and pattern select switches.

NEW

- Can be used in 3 modes:
 - Colour 1
 - Colour 2
 - Dual colour mode.
- 12 flash patterns in single colour mode, 5 flash patterns in dual colour mode.
- Vibration resistance rated to SAE J575.
- Polycarbonate lens for high durability.
- Low current draw.
- 103 & 106 beacons can be synchronised.
- Multi-voltage.
- Environmentally sealed - IP67.
- Aerodynamic low profile.
- 5 year warranty.



Voltage : 12-24V
Current Draw : 3.2A @ 12V
Flash Patterns : 12
Lens : Polycarbonate
Base : Aluminium
Approvals : ECE R10
Ingress Protection : IP67
Operating Temperature : -30°C to 50°C
Light Source : 18 x 3W LED

12V 24V
ECE R10
IP67
5Yrs

Colour Modes

Dual Colour beacons contain dual colour chip LEDs. Each colour is controlled independently, so the beacon can function as one OR the other colour, with 12 flash patterns to choose from. Dual Colour Mode is restricted to 5 flash patterns.



Colour 1 Mode
12 Flash Patterns



Colour 2 Mode
12 Flash Patterns



Dual Colour Mode
5 Flash Patterns

Vacuum Magnetic Mount Kit available. See page 36 for details.



A600VMK

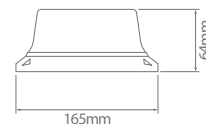


IONNIC 103 LED - 3 Bolt - Dual Colour NEW

Clear Lens

Amber/Blue **103800C**
 Amber/Green **103500C**
 Red/Blue **103700C**

Supplied with 3 x M6 bolts, nuts, shake-proof washers & base gasket.
 Mounting: 3 x Ø 7mm holes @ 151 PCD.
 700mm free length of cable.



Beacons

IONNIC 106 LED

NEW



106000

12V 24V IP67 5Yrs

- SAE class 1 rated output.
- 12 flash patterns.
- Vibration resistance rated to SAE J575.
- Polycarbonate lens for high durability.
- Low current draw.
- 3 Bolt versions can be synchronised.
- Multi-voltage.
- Environmentally sealed – IP67.
- Magnetic version features cigar plug with integrated on/off & pattern select switches.
- 5 year warranty.

Voltage :	12–24V
Current Draw :	3.2A @ 12V
Flash Patterns :	12
Lens :	Polycarbonate
Base :	Aluminium
Vibration :	SAE J575
Approvals :	ECE R10, ECE R65 (Amber & Blue) SAE J845 Class1 (Amber)
Ingress Protection :	IP67
Operating Temperature :	-30°C to 50°C
Light Source :	18 x 3W LED

On/off and pattern select



Clear lens, red illumination



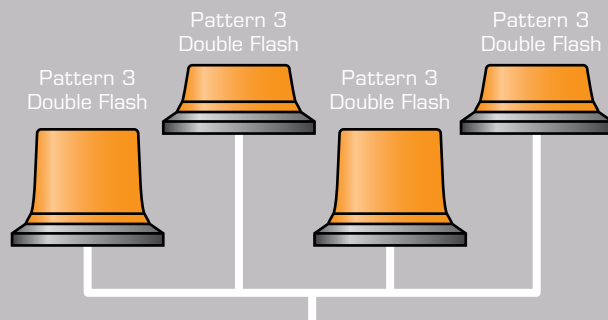
106400C

IONNIC 106 & 103 Series LED Beacons

The IONNIC 106 & 103 Series LED 3 Bolt beacons have the same 12 flash patterns and can be synchronised.

Flash Patterns

- | | |
|-------------------------|---------------------|
| 1 – Quad Burst | 7 – Slow Rotation |
| 2 – Quad Flash | 8 – Normal Rotation |
| 3 – Double Flash | 9 – Fast Rotation |
| 4 – Single Flash | 10 – Cycle Scan |
| 5 – Fast Flash | 11 – Steady On |
| 6 – Quad & Single Flash | 12 – Off |

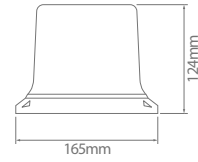




IONNIC 106 LED – 3 Bolt NEW

	Amber	Blue	Green	Red
Coloured Lens	106000	—	—	—
Clear Lens	—	106200C	106300C	106400C

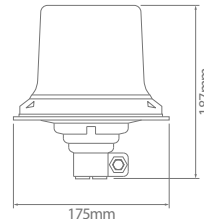
Supplied with 3 x M6 bolts, nuts, shake-proof washers & base gasket.
 Mounting: 3 x Ø 7mm holes @ 151 PCD.
 230mm free length of cable.



IONNIC 106 LED – Pole Mount NEW

	Amber
Coloured Lens	106002

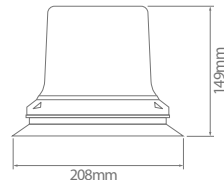
Other colours available upon request, lead times apply.



IONNIC 106 LED – Magnetic NEW

	Amber
Coloured Lens	106010

3.5m lead to cigar plug with on/off and pattern select switches.



Beacons

Rotating LED



- True rotating LED.
- Heavy duty, virtually unbreakable.
- Patented 'Hybrid Drive' technology. No gears, no belts, no brushes.
- SAE Class 1 rated output.
- LEDs rated to 50,000 hours of operation.
- Low current draw.
- UV hard coated polycarbonate lens for high durability in harsh conditions.
- Magnetic version features 2600mm lead to cigar plug with integrated switch.
- Complies to over-dimensional vehicle regulations in several Australian states.
- 5 year warranty.

Voltage :	12-24V
Current Draw :	1.3A @ 12V
Wattage :	25.6W
Flash Rate :	120FPM
Lens :	Polycarbonate
Base :	Die-cast
Approvals :	ECE65, SAE J845 Class 1
Operating Temperature :	-30°C to 50°C
Light Source :	8 x 3W LED

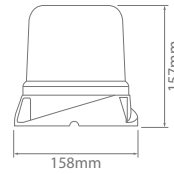




Rotating LED – 3 Bolt

Coloured Lens	Amber 107000	Blue —	Green 107300	Red 107400	White —
Clear Lens	—	107200	—	—	NEW 107900

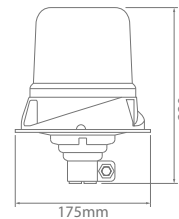
Supplied with 3 x M5 Bolts.
Mounting: 3 x Ø 5mm holes @ 151 PCD.
300mm free length of cable.



Rotating LED – Pole Mount

Coloured Lens	Amber 107002
---------------	------------------------

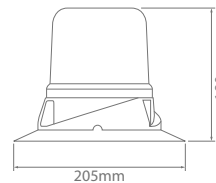
Other colours available upon request, lead times apply.



Rotating LED – Mag 60

Coloured Lens	Amber 108000
---------------	------------------------

2.6m lead to cigar plug with on/off switch.



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. 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.



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.

Extended life of LEDs over alternative lighting.

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

Additionally LEDs do not require the use of a costly and life limiting flash capacitor as required in flashing xenon beacons.

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 Beacon – 1.3A @ 12V
- Heavy Duty Xenon Beacon – 2.3A @ 12V
- Rotating Halogen Beacon – 4.6A @ 12V



Beacons

IONNIC 105 LED

105000



- Ultra high intensity LEDs – exceeds SAE class 1 rated output.
- 24 flash patterns including 2 simulated rotating.
- Heavy duty construction for increased durability.
- Epoxy encapsulated electronics for enhanced moisture & vibration protection.
- Low current draw.
- Multi-voltage.
- 3 Bolt versions can be synchronised.
- Magnetic version features cigar plug with integrated on/off & pattern select switches.
- Dimming function, 3 Bolt version only.
- 5 year warranty.

12V
24V

5Yrs

Voltage : 12–24V
Current Draw : 0.6A @ 12V
Flash Patterns : 24
Simulated Rotating Flash Rate : 78/162FPM
Lens : Polycarbonate
Base : Die-cast
Approvals : SAE J845 Class 1
Operating Temperature : -50°C to 55°C
Light Source : 8 x High Output LEDs



Exceeds Class 1 Rated Light Output

The IONNIC 105 LED beacon range features a unique 'balloon' lens that spreads and amplifies the light, producing in excess of Class 1 rated output from only 8 high output LEDs.



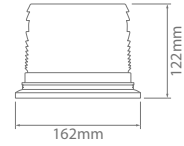
4 pairs of high output LEDs.



IONNIC 105 LED – 3 Bolt

Amber Blue Green Magenta ^{NEW} Red White
105000 **105200** **105300** **105600** **105400** **105500**

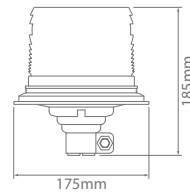
Supplied with 3 x M5 bolts, nuts & shake-proof washers.
 Mounting: 3 x Ø 5mm holes @ 151mm PCD.
 470mm free length of cable.



IONNIC 105 LED – Pole Mount

Amber
105002

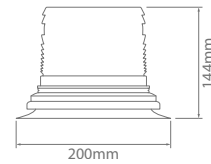
Other colours available upon request.
 Preset to rotate light pattern.



IONNIC 105 LED – Magnetic

Amber Blue Green Red White
105010 **105210** **105310** **105410** **105510**

3.4m lead to cigar plug with on/off and pattern select switches.



105 LED Series Lens

Part No.	Colour
910011	Amber
910022	Blue
910033	Green
910000	Magenta
910044	Red
910055	Clear



Beacons

IONNIC 101 LED



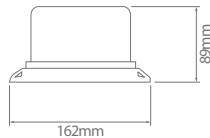
- SAE class 1 rated output.
- 5 flash patterns – 2 simulated rotating (120FPM).
- Polycarbonate lens for high durability.
- Epoxy encapsulated base for enhanced moisture & vibration protection.
- Low current draw.
- Multi-voltage.
- Environmentally sealed – IP67.
- Dimming function, 3 Bolt version only.
- Complies to over-dimensional vehicle regulations in several Australian states.
- 5 year warranty.

12V
36V

IP67

5Yrs

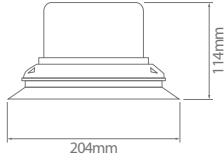
Operational Voltage : 12–36V
Current Draw : 2.8A @ 12V
Flash Patterns : 5
Lens : Polycarbonate
Base : Aluminium
Approvals : *excludes green ECE R65, SAE J845 Class1
Ingress Protection : IP67
Operating Temperature : -30°C to 50°C
Light Source : 12 x 3W LED



IONNIC 101 LED – 3 Bolt

Amber **101000** Green **101300** NEW

Supplied with 3 x M6 bolts, nuts, shake-proof washers & base gasket.
 Mounting: 3 x Ø 7mm holes @ 151mm PCD.
 340mm free length of cable.



IONNIC 101 LED – Magnetic

Amber **101010** Green **101310** NEW

4.6m lead to cigar plug with on/off switch.
 Flash pattern preset to Quad flash.

- Ideal for forklift & other industrial applications.
- 6 flash patterns.
- Low profile design.
- Polycarbonate lens provides high durability against harsh conditions.
- Silicon filled base for enhanced moisture & vibration protection.
- Low current draw.
- Multi-voltage.



111000

12V
48V

Operational Voltage : 12-48V
 Current Draw : 0.2A @ 12V
 Flash Rate : 68FPM
 Flash Patterns : 6
 Lens : Polycarbonate
 Base : ABS
 Operating Temperature : -30°C to 50°C
 Light Source : 4 x 1W LED

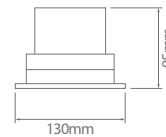


Flash pattern selector

IONNIC 111 LED – 3 Bolt

Amber
111000

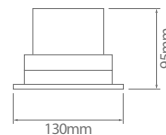
Supplied with 3 x M5 bolts, nuts, shake-proof washers & base gasket.
 Mounting: 3 x Ø 5mm holes @ 118 PCD.
 300mm free length of cable.



IONNIC 111 LED – Magnetic

Amber
111010

Cord extends to 3.0m length, plug fits standard cigar socket.
Not designed for highway use.



Beacons

Midi Vision

400001



- Free-form reflector provides 20% more light output over previous models.
- Whisper quiet rotators, running on stainless steel/acetal bearings.
- Polycarbonate lens provides high durability against harsh conditions.
- Multiple mounting configurations.
- Twist lock polycarbonate lens provides easy field maintenance.
- Magnetic models feature 2600mm retractable coil with cigar plug.
- Dual voltage motor.

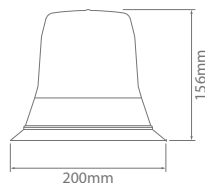
Current Draw :	4.6A @ 12V	3A @ 24V
Max. Wattage :	55W @ 12V	70W @ 24V
Flash Rate :	160FPM	
Lens :	Polycarbonate	
Base :	ABS	
Light Source :	H1 Halogen Bulb	



Free-form optics generate greater & more focused light output

Twist lock lens provides easy field maintenance

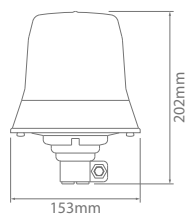
Mag70
MAX
112
KM/H



400 Series – Mag 70

	Amber	Cal. Blue	Green	Red
Less Bulb	400000	400200	400300	400400
12V	400001	400201	400301	400401
24V	400002	400202	400302	400402

Cord extends to 2.6m length, plug fits standard cigar/DIN socket.



402 Series – Pole Mount

	Amber	Cal. Blue	Green	Red
Less Bulb	402000	402200	402300	402400
12V	402001	402201	402301	402401
24V	402002	402202	402302	402402

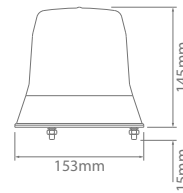
Single pole plug to DIN 72591.



403 Series – 3 Bolt

	Amber	Cal. Blue	Green	Red
Less Bulb	403000	403200	403300	403400
12V	403001	403201	403301	403401
24V	403002	403202	403302	403402

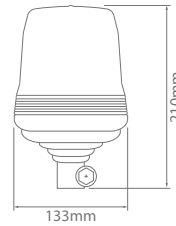
Supplied with 3 x M6 bolts, nuts, shake-proof washers.
Mounting: 3 x Ø 7mm holes @ 130 PCD.
300mm free length of cable.



404 Series – Flexi

	Amber	Cal. Blue	Green	Red
Less Bulb	404000	404200	404300	404400
12V	404001	404201	404301	404401
24V	404002	404202	404302	404402

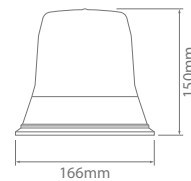
Flexible single pole plug to DIN 72591.



407 Series – Mag 50

	Amber	Cal. Blue	Green	Red
Less Bulb	407000	407200	407300	407400
12V	407001	407201	407301	407401
24V	407002	407202	407302	407402

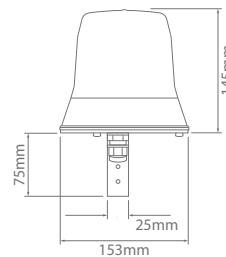
Cord extends to 2.6m length, plug fits standard cigar/DIN socket.



403 Series – 48V, 240V

	Amber	Cal. Blue	Green	Red
48V	403000-48V	—	—	—
240V	403000-240V	403200-240V	403300-240V	403400-240V

240 volt models must be installed by a qualified 240 volt electrician.
Cable gland clamping range – Ø 3.5mm.



Midi Vision Lens

Part No.	Colour
910320	Amber
910321	Din. Blue
910322	Cal. Blue
910325	Green
910324	Red



Midi Vision Spares

Part No.	Description
999554	Rotator Module
910336	Reflector only
910030	Beacon Base
945034	Drive Belt
920004	Bulb Clip
64150	H1 Bulb – 12V, 55W
64155	H1 Bulb – 24V, 70W



Beacons

500 Series



503001

- Free-form reflector provides 20% more light output over previous models.
- Whisper quiet rotators, running on stainless steel/acetal bearings.
- Multiple mounting configurations.
- Twist lock acrylic lens provides easy field maintenance.
- Magnetic models feature 2600mm retractable coil with cigar plug.
- Dual voltage motor.

Current Draw :	4.6A @ 12V	3A @ 24V
Max. Wattage :	55W @ 12V	70W @ 24V
Flash Rate :		160FPM
Lens :		Acrylic
Base :		ABS
Light Source :		H1 Halogen Bulb



Free-form optics generate greater & more focused light output

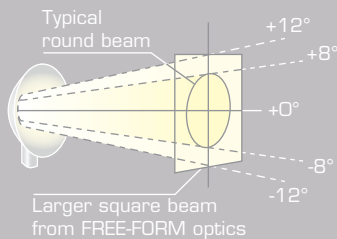


Twist lock lens provides easy field maintenance

Free-Form Optics

All Vision Alert beacon & lightbar ranges incorporate Free-form optical technology.

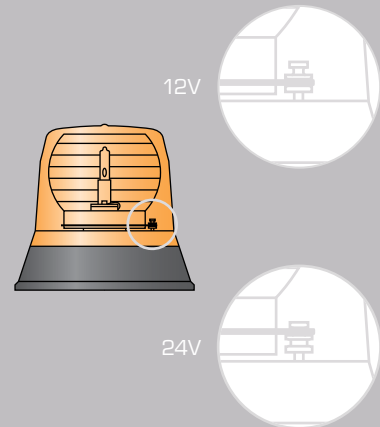
This advancement in reflector design produces a more powerful and larger square beam increasing light output by 20% over previous designs.



Dual Voltage

All Vision Alert halogen beacon & lightbar ranges use our proven dual voltage belt drive incorporating an updated version of our market leading, whisper-quiet rotators.

By changing the drive belt to the desired pulley and fitting the required voltage H1 bulb, any Vision Alert beacon or lightbar can be configured to suit 12V or 24V.

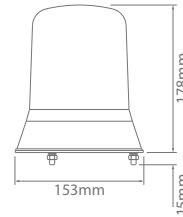




503 Series – 3 Bolt

	Amber	Cal. Blue	Green	Red
Less Bulb	503000	503600	503400	503500
12V	503001	503601	503401	503501
24V	503002	503602	503402	503502

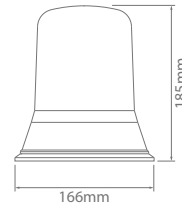
Supplied with 3 x M6 bolts, nuts, shake-proof washers.
Mounting: 3 x Ø 7mm holes @ 130 PCD.
300mm free length of cable.



507 Series – Mag 50

	Amber
Less Bulb	507000
12V	507001
24V	507002

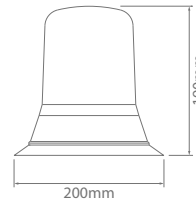
Cord extends to 2.6m length, plug fits standard cigar/DIN socket.



500 Series – Mag 70

	Amber	Cal. Blue	Green	Red
Less Bulb	500000	500600	500400	500500
12V	500001	500601	500401	500501
24V	500002	500602	500402	500502

Cord extends to 2.6m length, plug fits standard cigar/DIN socket.



500 Series Lens

Part No.	Colour
910023	Amber
910024	Din. Blue
910028	Cal. Blue
910155	Green
910153	Red



500 Series Spares

Part No.	Description
999555	Rotator Module
910352	Reflector only
910030	Beacon Base
945034	Drive Belt
920004	Bulb Clip
64150	H1 Bulb – 12V, 55W
64155	H1 Bulb – 24V, 70W



Beacons

Heavy Duty Xenon



12V
24V

2Yrs

- Selectable Dual or Quad Flash.
- Energy saving xenon technology.
- Epoxy encapsulated base for enhanced moisture and vibration protection.
- "I-Beam" fault diagnostics LED.
- Multi-voltage.
- Die-cast base.
- 2 year warranty.

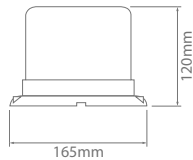
Voltage :	12–24V
Current Draw :	2.3A @ 12V
Flash Rate :	80/65FPM
Dual Flash Output :	7 Joules
Quad Flash Output :	10 Joules
Lens :	Polycarbonate
Base :	Die-cast
Cable Length :	300mm
Approvals :	SAE J845 Class 2
Light Source :	1 x Xenon Tube



Vacuum Magnetic Mount Kit available. See page 36 for details.



A600VMK



Heavy Duty Xenon – 3 Bolt

Amber	Blue	Green	Red
100263	100281	100269	100275

Supplied with 3 x M5 bolts, nuts, shake-proof washers.
Mounting: 3 x Ø 5mm holes @ 151mm PCD.

Heavy Duty Xenon Lens

Part No.	Colour
910391	Amber
910392	Blue
910393	Green
910394	Red
910395	Clear



Heavy Duty Xenon Spares

Part No.	Description
960055	Xenon Tube



- Energy saving xenon technology.
- Long life replaceable tubes.
- Twist lock polycarbonate lens provides easy field maintenance.
- Low current draw.
- Multi-voltage.

5832DO



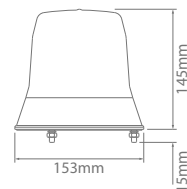
Operational Voltage : 10-48V
 Current Draw : 1.4A @ 12V
 Flash Pattern : Double Flash
 Flash Rate : 75FPM
 Output : 6 Joules
 Lens : Polycarbonate
 Base : ABS
 Light Source : 1 x Xenon Tube

10V
48V

583 Series - 3 Bolt

Amber
5832DO

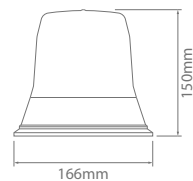
Supplied with 3 x M6 bolts, nuts, shake-proof washers.
 Mounting: 3 x Ø 7mm holes @ 130mm PCD.
 300mm free length of cable.



587 Series - Mag 50

Amber
5872DO

Cord extends to 2600mm length, plug fits standard cigar/DIN socket.
 Other colours available upon request



Midi Xenon Lens

Part No.	Colour
910136	Amber
910285	Din. Blue
910135	Cal. Blue
910134	Green
910133	Red
910139	Clear



Midi Xenon Spares

Part No.	Description
999223	Xenon Tube
910030	Beacon Base



Beacons

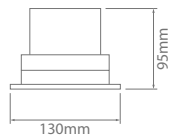
Mini Vision



10V
80V

- Compact size, ideal for forklift and other industrial applications.
- Energy saving xenon technology.
- Polycarbonate lens provides high durability against harsh conditions.
- Low current draw.
- Multi-voltage.

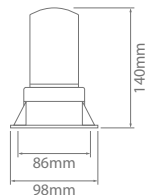
Operational Voltage : 10-80V
 Current Draw : 0.4A @ 12V
 Flash Pattern : Single Flash
 Flash Rate : 80FPM
 Output : 1.5 Joules
 Lens : Polycarbonate
 Base : ABS
 Cable Length : 300mm
 Light Source : 1 x Xenon Tube



563 Series - 3 Bolt

Amber **563208** Blue **563C08** Green **563708** Red **563808**

Mounting: 3 x Ø 5mm holes @ 118 PCD.



566 Series - 2 Bolt

Amber **566288** Blue **566C88** Green **566788** Red **566888**

Mounting: 2 x Ø 5mm holes.

Mini Vision Lens

563 Series	566 Series	Colour
910065	910085	Amber
910066	910086	Blue
910067	910087	Green
910068	910088	Red
910069	910089	Clear



Xenon Tubes

Part No.	Description
960085	563 Series
960012	566 Series

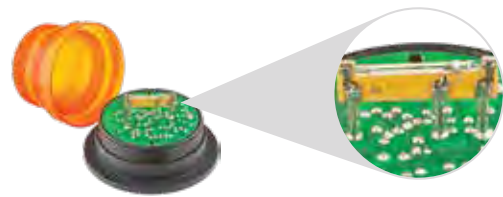


- Ideal for forklift applications.
- Value range of xenon beacons.
- Offered in high or low profiles.
- High profile model features epoxy encapsulated base.
- Low current draw.
- Multi-voltage.

Operational Voltage :	12-80V
Current Draw :	0.29A @ 12V
Flash Pattern :	Single Flash
Flash Rate :	6400A-1 36FPM
	6220A-2 72FPM
Output :	2 Joules
Lens :	Polycarbonate
Base :	ABS
Cable Length :	300mm
Light Source :	1 x Xenon Tube



12V
80V

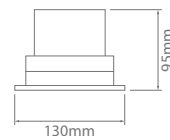


111000 LED version can be found on page 25.

IONNIC Mini Xenon – 3 Bolt

Amber
6400A-1

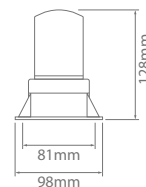
Supplied with 3 x M5 bolts, nuts, shake-proof washers.
Mounting: 3 x Ø 5mm holes @ 118 PCD.



IONNIC Mini Xenon – 2 Bolt

Amber
6220A-2

Supplied with 2 x M5 bolts, nuts, shake-proof washers.
Mounting: 2 x Ø 5mm holes.



Beacon Accessories



DIN/Cigar Sockets

Part No.	Current Rating (A)	Type	Voltage	Cap Style	Terminal Style	Housing	Mounting \varnothing (mm)
1331001	12	DIN	—	Spring Loaded	Parallel	Brass	18
1331002	12	DIN	—	—	Parallel	Brass	18
1331003	12	DIN	—	Press Fit	Parallel	Brass	18
1331004	12	DIN	—	Spring Loaded	Offset	Brass	18
1331011	12	DIN	—	—	Parallel	Thermoplastic	18
1331005	12	DIN	—	—	Screw	Aluminium	—
1331006	16 total	DIN	—	—	Parallel	Thermoplastic	—
1331007	16	DIN	—	—	Parallel	Thermoplastic	—
1331008	15	Cigar	—	Press Fit	Offset	Stainless Steel	28
1331009	—	Cigar	12	—	Offset	Stainless Steel	28
1331010	20	Cigar	—	Press Fit	Offset	Stainless Steel	28



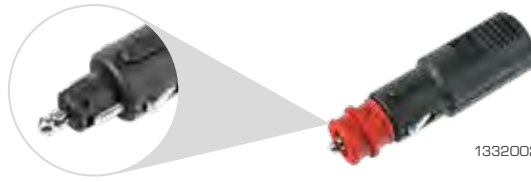
Adaptors & Extension Cables

Part No.	Description	Current Rating (A)	Cable (cm)	Housing
1334001	Cigar/DIN plug to cigar socket. 6-24V	2 x 5	20	Thermoplastic
1334002	DIN plug to cigar socket	12	—	Thermoplastic
1334003	Battery terminal clips to cigar socket	8	95	Thermoplastic
1334004	Cigar/DIN plug to DIN socket	8	385	Thermoplastic
1334005	Cigar/DIN plug to cigar socket	8	60 – 300	Thermoplastic

Beacon Accessories



1332001



1332002



1332003

DIN/Cigar Plugs

Part No.	Current Rating (A)	Type	Housing	Notes
1332001	12	DIN	Thermoplastic	
1332002	12	Cigar/DIN	Thermoplastic	Incorporates strain relief
1332003	8	DIN	Thermoplastic	



Plug & Socket

Part No.	Description	Voltage	Output
1336010	2 Pin. Stainless Steel	12 – 24	20A



Sockets & Mounts NEW

Part No.	Description	Voltage	Output
1336000	Volt Meter. Displays 6V–29.9V	12 – 24	—
1336001	Socket – Power (cigar)	12 – 24	16A
1336002	Socket – Engel	12 – 24	15A
1336003	Socket – 5V Twin USB	12	1 x 1A, 1 x 2.1A
1336M01	Surface Mount – Single		
1336M02	Surface Mount – Double		
1336M03	Surface Mount – Triple		
1336M05	Panel Mount – Double		



Beacon Accessories



Protective Grilles

Part No.	Description	Maximum Height (mm)	Maximum Inside Ø (mm)
GRL	Standard duty	145	170
GR	Standard duty	195	170
GRL-HD	Heavy duty – 5mm cage	145	180
GR-HD	Heavy duty – 5mm cage	195	180



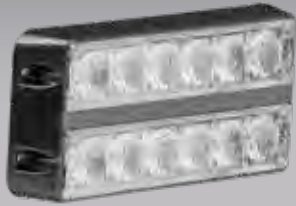
Mounting Plates for 3 Bolt Beacons

Part No.	Mounting	Description	PCD (mm)
905000	Flat surface	Beacon adaptor plate	130 – 151
905011	Flat surface	Suits protective grilles	130 – 151
905005	Flat surface	Suits Midi Vision, 500 Series, Midi Xenon	130
905001	90°	Suits Midi Vision, 500 Series, Midi Xenon	130
905002	90°	Suits Midi Vision, 500 Series, Midi Xenon	130
905003	Flat surface	Suits IONNIC 101, 103, 105, 106 LED, Rotating LED and Heavy Duty Xenon beacons	151
905009	90°	Suits IONNIC 101, 103, 105, 106 LED, Rotating LED and Heavy Duty Xenon beacons	151
A600VMK	Flat surface	Vacuum magnetic base and 4.6m lead to cigar plug with integrated on/off switch. Suits IONNIC 101, 103, 105, 106 LED, Rotating LED and Heavy Duty Xenon beacons	151



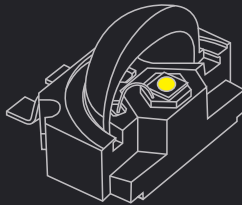
Brackets & Extensions

Part No.	Description	Mount Style
1335001	Pole mount with integral DIN socket	Bolt down – 2 bolt
1335002	Pole mount with integral DIN socket	Weld
1335003	Pole mount with integral DIN socket	Threaded
1335004	Pole mount with integral DIN socket	Side mount – 2 bolt
1335005	Fold-down pole mount with integral DIN socket	Bolt down – 2 bolt
1335007	Adjustable pole mount extension – 740mm to 1300mm. Supplied with mounting hardware. Requires 1335002	



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.



24Hr Burn In

As part of our stringent quality control all IONNIC LED Lighting is thoroughly tested and put through a 24 hour 'burn in' period, 12hrs @ 12V followed by 12hrs @ 24V.



Superslim, Maxiview & Slimline Ranges

IONNIC LED modules are offered in 3 ranges:

Superslim (KLSLED)

The thinnest of the 3 ranges at only 11mm deep whilst still offering a 150° of light dispersion. Also the Superslim range can be mounted without the rubber gasket for more covert situations. Available in 4 LED, 6 LED, 9 LED.

Maxiview (KRLED)

Unique optical design the Maxiview range features light dispersion of up to 180°. Available in 3 LED, 4 LED.

Slimline (KSLED)

Classic range offering more focused light projection in a wider range of form factors. Available in 4 LED, Dual 4 LED, 6 LED, Dual 6 LED, 8 LED.



High Power 3W LEDs

The Superslim, Maxiview & Slimline ranges are available in both 1W and high power 3W LED versions.

3W LEDs



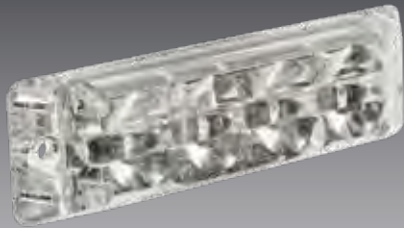


LED Lighting

Superslim	40
Maxiview	42
Slimline	44
LED Warning Bar	48
Covert Series	50
LED Hide-A-Way	51
LED Road Marker	52

LED Lighting

Superslim



OS-KLSLEDO4B-GG



KLSLED33B-BB

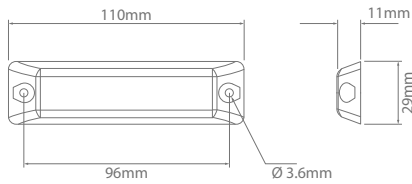
- 12V
24V
- IP67
- ECE
R10
- 5Yrs

- Ultra bright 3W LED versions.
- Superslim design – 11mm.
- Combination optics ensure 150° ultra wide light dispersion.
- 22 flash patterns.
- Dimming function.
- Can be synchronised.
- Covert applications – install without rubber gasket.
- Low current draw.
- Multi-voltage.
- Environmentally sealed – IP67.
- 5 year warranty.

Voltage :	12–24V
Lens :	Polycarbonate
Approvals :	ECE R10
Flash Patterns :	22
Cable Length :	180mm
Ingress Protection :	IP67



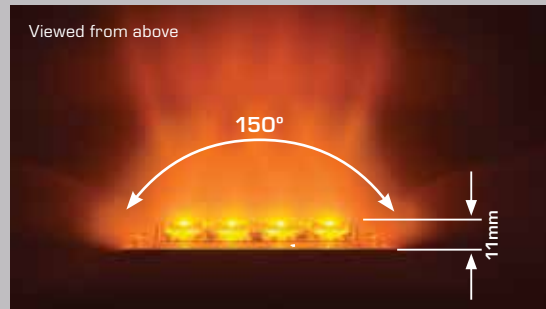
Covert applications – install without rubber gasket.



Combination Optics

The Superslim Series LEDs combine TIR and linear optic lens design delivering 150° ultra wide light dispersion in an extremely slim body.

Viewed from above



Superslim – 4 LED

- Amber
KLSLEDO4B-AA
- Blue
KLSLEDO4B-BB
- Green
KLSLEDO4B-GG
- Red
KLSLEDO4B-RR
- White
KLSLEDO4B-WW
- Red/Blue
KLSLEDO4B-RB

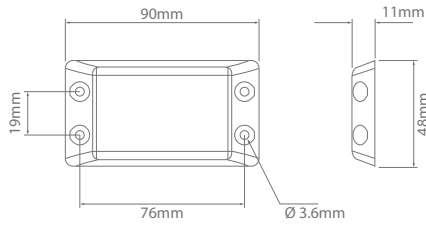
0.6A @ 12V

Superslim Ultra – 4 LED – High Output

NEW **3W LEDs**

- Amber
OS-KLSLEDO4B-AA
- Blue
OS-KLSLEDO4B-BB
- Green
OS-KLSLEDO4B-GG
- Red
OS-KLSLEDO4B-RR
- White
OS-KLSLEDO4B-WW
- Red/Blue
OS-KLSLEDO4B-RB

1.0A @ 12V



Superslim – 6 LED

Amber Blue Green Red White Red/Blue
KLSLED23B-AA **KLSLED23B-BB** **KLSLED23B-GG** **KLSLED23B-RR** **KLSLED23B-WW** **KLSLED23B-RB**

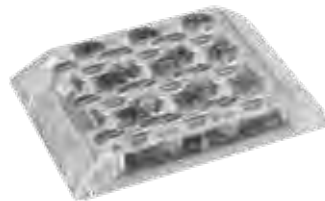
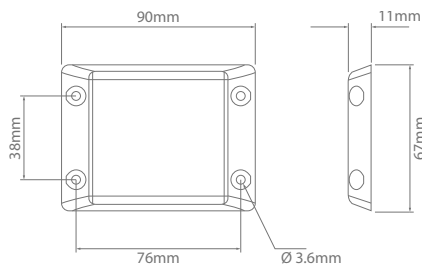
0.7A @ 12V

Superslim Ultra – 6 LED – High Output

NEW **3W LEDs**

Amber Blue Green Red White Red/Blue
OS-KLSLED23B-AA **OS-KLSLED23B-BB** **OS-KLSLED23B-GG** **OS-KLSLED23B-RR** **OS-KLSLED23B-WW** **OS-KLSLED23B-RB**

1.3A @ 12V



Superslim – 9 LED

Amber Blue Green Red White Red/Blue
KLSLED33B-AA **KLSLED33B-BB** **KLSLED33B-GG** **KLSLED33B-RR** **KLSLED33B-WW** **KLSLED33B-RB**

1.0A @ 12V

Superslim Ultra – 9 LED – High Output

NEW **3W LEDs**

Amber Blue Green Red White Red/Blue
OS-KLSLED33B-AA **OS-KLSLED33B-BB** **OS-KLSLED33B-GG** **OS-KLSLED33B-RR** **OS-KLSLED33B-WW** **OS-KLSLED33B-RB**

1.5A @ 12V



Mounting Brackets – Superslim

4 LED 6 LED 9 LED
KLSLEDO4B-BKT **KLSLED23B-BKT** **KLSLED33B-BKT**



LED Lighting

Maxiview



OS-KRLEDO3B-M

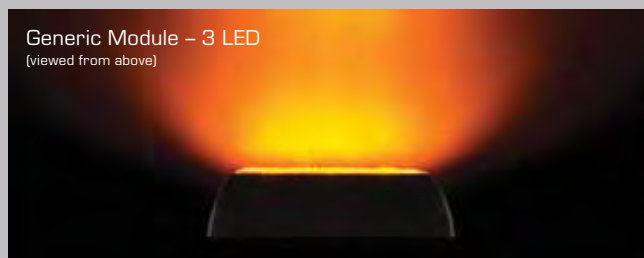
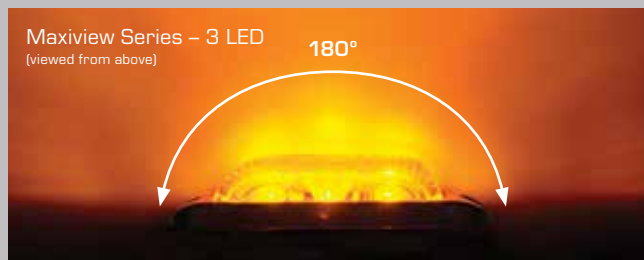
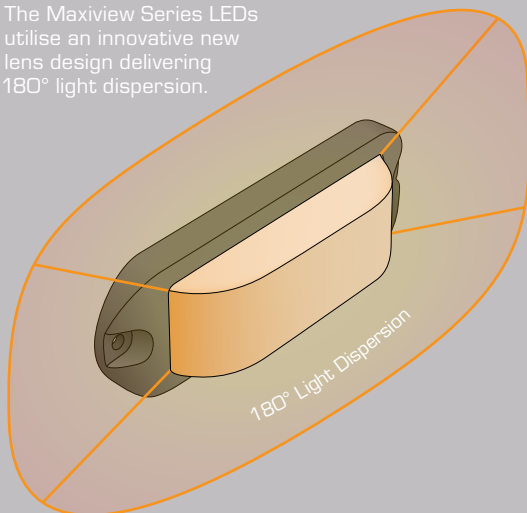
- Ultra bright 3W LED versions.
- Optic design providing ultra wide 180° light dispersion.
- High output LEDs.
- Up to 25 flash patterns.
- Dimming function.
- Aluminium base.
- Low current draw.
- Epoxy encapsulated electronics for environmental & vibration protection.
- LEDs rated to 100,000 hours of operation.
- Can be synchronised.
- Multi-voltage.
- Environmentally sealed – IP67.
- 5 year warranty.

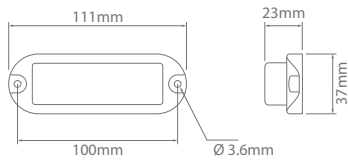


Voltage : 12-24V
Lens : Polycarbonate
Approvals : ECE R10
Cable Length : 180mm
Ingress Protection : IP67

180° Light Dispersion

The Maxiview Series LEDs utilise an innovative new lens design delivering 180° light dispersion.





Maxiview – 3 LED

Amber
KRLEDO3B-A

Blue
KRLEDO3B-B

Green
KRLEDO3B-G

Magenta
KRLEDO3B-M

Red
KRLEDO3B-R

White
KRLEDO3B-W

0.3A @ 12V.
12 Flash Patterns.

Maxiview Ultra – 3 LED – High Output NEW 3W LEDs

Amber
OS-KRLEDO3B-A

Blue
OS-KRLEDO3B-B

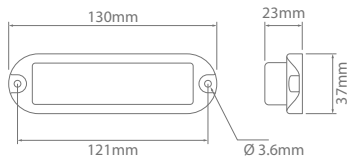
Green
OS-KRLEDO3B-G

Magenta
OS-KRLEDO3B-M

Red
OS-KRLEDO3B-R

White
OS-KRLEDO3B-W

0.5A @ 12V.
12 Flash Patterns.



Maxiview – 4 LED

Amber
KRLEDO4B-AA

Blue
KRLEDO4B-BB

Green
KRLEDO4B-GG

Magenta
KRLEDO4B-MM

Red
KRLEDO4B-RR

White
KRLEDO4B-WW

Red/Blue
KRLEDO4B-RB

0.8A @ 12V.
25 Flash Patterns.

Maxiview Ultra – 4 LED – High Output NEW 3W LEDs

Amber
OS-KRLEDO4B-AA

Blue
OS-KRLEDO4B-BB

Green
OS-KRLEDO4B-GG

Magenta
OS-KRLEDO4B-MM

Red
OS-KRLEDO4B-RR

White
OS-KRLEDO4B-WW

Red/Blue
OS-KRLEDO4B-RB

1.0A @ 12V.
25 Flash Patterns.



KRLEDO3B-BKT



KRLEDO4B-BKT

Mounting Brackets – Maxiview

3 LED
KRLEDO3B-BKT

4 LED
KRLEDO4B-BKT



LED Lighting

Slimline



OS-KSLEDO6B-WW

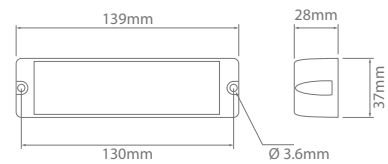


KSLEDO8B-RB



- Ultra bright 3W LED versions.
- Up to 26 flash patterns.
- Dimming function.
- Aluminium base.
- Low current draw.
- Epoxy encapsulated electronics for environmental & vibration protection.
- 4 LED models meet SAE Class 1 rated output*.
- LEDs rated to 100,000 hours of operation.
- Can be synchronised.
- Multi-voltage.
- Environmentally sealed – IP67.
- 5 year warranty.

Voltage : 12-24V
 Lens : Polycarbonate
 Cable Length : 180mm
 Approvals : 4 LED Models SAE J595 Class 1
*excludes KSLEDO4B-RB
 Ingress Protection : IP67



Slimline – 4 LED

Amber
KSLEDO4B-AA

Blue
KSLEDO4B-BB

Red
KSLEDO4B-RR

White
KSLEDO4B-WW

Red/Blue
KSLEDO4B-RB

0.8A @ 12V.
 25 Flash Patterns.

Slimline Ultra – 4 LED – High Output NEW 3W LEDs

Amber
OS-KSLEDO4B-AA

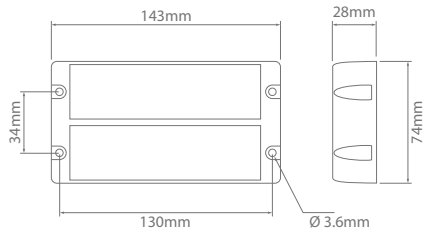
Blue
OS-KSLEDO4B-BB

Red
OS-KSLEDO4B-RR

White
OS-KSLEDO4B-WW

Red/Blue
OS-KSLEDO4B-RB

1.0A @ 12V.
 25 Flash Patterns.



Slimline – Dual 4 LED

Amber
KSLED24B-AA

Blue
KSLED24B-BB

Red
KSLED24B-RR

White
KSLED24B-WW

Amber/White
KSLED24B-AW

Red/Blue
KSLED24B-RB

Other colour combinations available upon request.

1.6A @ 12V.

25 Flash Patterns.

Slimline Ultra – Dual 4 LED – High Output

NEW

3W LEDs

Amber
OS-KSLED24B-AA

Blue
OS-KSLED24B-BB

Red
OS-KSLED24B-RR

White
OS-KSLED24B-WW

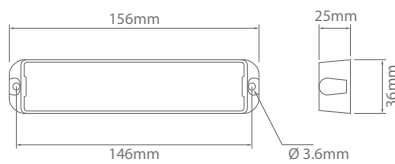
Amber/White
OS-KSLED24B-WA

Red/Blue
OS-KSLED24B-RB

Other colour combinations available upon request.

2.0A @ 12V.

25 Flash Patterns.



Slimline – 6 LED

Amber
KSLED06B-AA

Blue
KSLED06B-BB

Red
KSLED06B-RR

White
KSLED06B-WW

Red/Blue
KSLED06B-RB

0.7A @ 12V.

25 Flash Patterns.

Slimline Ultra – 6 LED – High Output

NEW

3W LEDs

Amber
OS-KSLED06B-AA

Blue
OS-KSLED06B-BB

Red
OS-KSLED06B-RR

White
OS-KSLED06B-WW

Red/Blue
OS-KSLED06B-RB

1.0A @ 12V.

25 Flash Patterns.



LED Lighting



Slimline – Dual 6 LED

Amber
KSLED26B-AA

Red
KSLED26B-RR

White
KSLED26B-WW

Red/Blue
KSLED26B-RB

Other colour combinations available upon request.
1.4A @ 12V.
25 Flash Patterns.

Slimline Ultra – Dual 6 LED – High Output NEW 3W LEDs

Amber
OS-KSLED26B-AA

Red
OS-KSLED26B-RR

White
OS-KSLED26B-WW

Red/Blue
OS-KSLED26B-RB

Other colour combinations available upon request.
2.0A @ 12V.
25 Flash Patterns.



Slimline – 8 LED

Amber
KSLEDO8B-AA

Red/Blue
KSLEDO8B-RB

0.8A @ 12V.
26 Flash Patterns.



KSLEDO4B-BKT



KSLEDO6B-BKT



KSLEDO8B-BKT

Mounting Brackets – Slimline

4 LED
KSLEDO4B-BKT

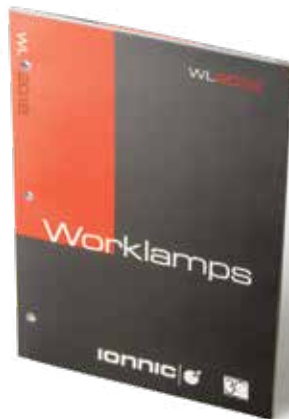
6 LED
KSLEDO6B-BKT

8 LED
KSLEDO8B-BKT

Catalogue Catalogues

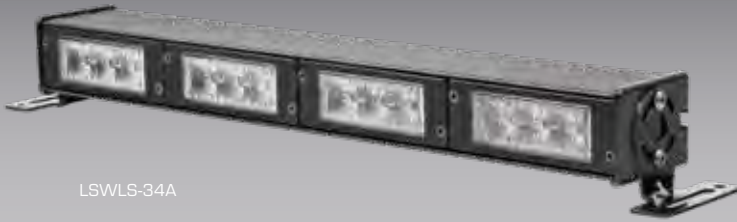


*Available
early 2019*



LED Lighting

LED Warning Bar



LSWLS-34A

12V
24V

5Yrs

- High output, wide viewing angle.
- Up to 26 flash patterns.
- Dimming function.
- Multiple mounting options.
- Low current draw.
- Can be synchronised.
- Virtually unlimited colour combinations available (upon request).
- Epoxy encapsulated electronics for environmental & vibration protection.
- LEDs rated to 100,000 hours of operation.
- Multi-voltage.
- 5 year warranty.

Voltage :	12–24V
Lens :	Polycarbonate
Body :	Aluminium
Approvals:	SAE-W-07
Light Source :	1W LEDs
Cable Length :	1m
Ingress Protection :	LED Module IP67



Slide to adjust rear bolt mounting



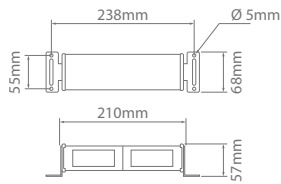
Supplied brackets allow for mounting on angled surfaces



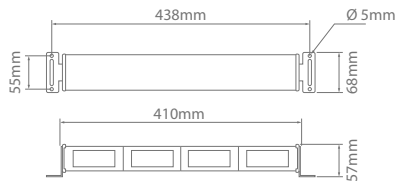
Versatility

The robust aluminium housing and multiple mounting options allow the IONNIC LED Warning Bar to be used in many applications, inside or outside.

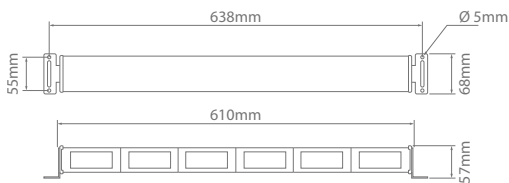




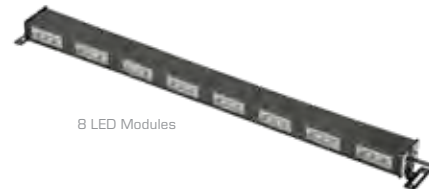
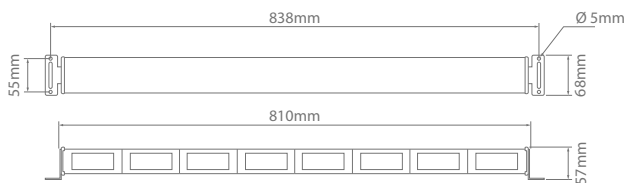
2 LED Modules



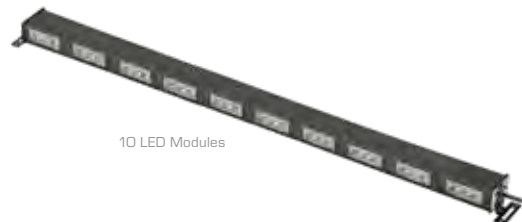
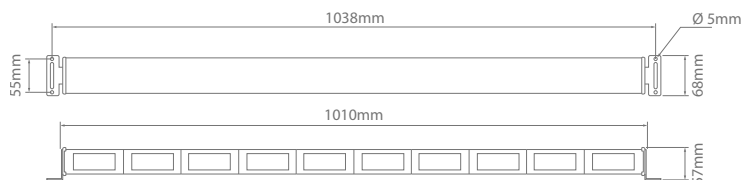
4 LED Modules



6 LED Modules



8 LED Modules



10 LED Modules

LED Warning Bars

LED Modules	Current Draw @ 12V (A)	Flash Patterns	Amber	Blue	Green	Red	White	Red/Blue
2	0.7	17	LSWLS-32A	LSWLS-32B	LSWLS-32G	LSWLS-32R	LSWLS-32W	LSWLS-32RB
4	1.4	26	LSWLS-34A	LSWLS-34B	LSWLS-34G	LSWLS-34R	LSWLS-34W	LSWLS-34RB
6	2.1	26	LSWLS-36A	LSWLS-36B	LSWLS-36G	LSWLS-36R	LSWLS-36W	LSWLS-36RB
8	2.8	26	LSWLS-38A	LSWLS-38B	LSWLS-38G	LSWLS-38R	LSWLS-38W	LSWLS-38RB
10	3.5	26	LSWLS-310A	LSWLS-310B	LSWLS-310G	LSWLS-310R	LSWLS-310W	LSWLS-310RB



LED Lighting

Covert Series

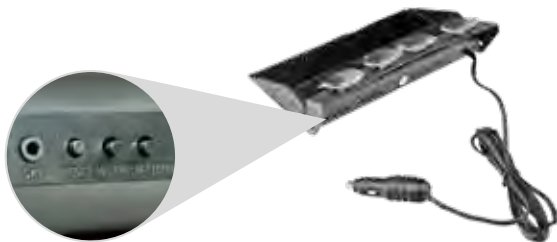


- Suction cups for quick and easy windscreen mounting.
- 30 flash patterns.
- Dimming function.
- User controls on rear of unit – Reset, Dimming, Flash select.
- 2.8mm lead to cigar plug.
- LEDs rated to 100,000 hours of operation.
- Permanent bolt-down mounting option.
- Real time flash pattern indicator LEDs on rear of unit.
- Low current draw.
- Multi-voltage.
- 5 year warranty.

12V
24V

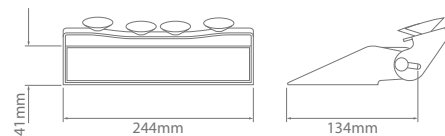
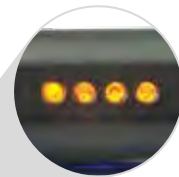
5Yrs

Voltage : 12–24V
 Current Draw : 0.5A @ 12V
 Flash Patterns : 30
 Lens : Polycarbonate
 Body : ABS
 Approvals: SAE-W-07
 Light Source : 1W LEDs
 Cord Length : 2.8m



User controls on rear of unit – Reset, Dimming, Flash select

Real time flash pattern indicator LEDs on rear of unit



Covert Series – 8 LED

Amber
LSDL-42TEAA

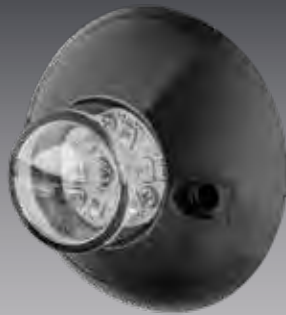
Amber/Red
LSDL-42TEAR

Amber/White
LSDL-42TEAW

Red/Blue
LSDL-42TERB

- Can be panel or surface mounted.
- 6 LEDs per light module.
- 22 flash patterns.
- Aluminium base.
- Environmentally sealed – IP67.
- Epoxy encapsulated electronics for enhanced moisture & vibration protection.
- Can be synchronised.
- Multi-voltage.
- 5 year warranty.

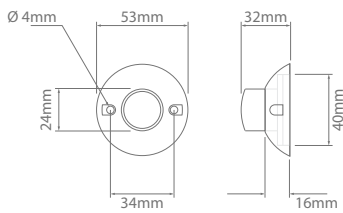
NEW



LED Hide-A-Way

Operational Voltage : 12-30V
 Current Draw : 1.6A @ 12V
 Flash Patterns : 22
 Lens : Polycarbonate
 Base : Aluminium
 Approvals : ECE R10
 Light source : 1W LEDs
 Kit Weight : 415g
 Ingress Protection : IP67

12V 30V ECE R10 IP67 5Yrs



LED Hide-A-Way Kits **NEW**

Amber
LSHA01-AA

Blue
LSHA01-BB

Magenta
LSHA01-MM

Red
LSHA01-RR

White
LSHA01-WW

Red/Blue
LSHA01-RB

Other colour combinations available upon request.

Kits contain:
 2 x LED Lights
 1 x Controller
 2 x 3m Extension Cables



LED Lighting

LED Road Marker



KLED/MKR-A

- Ultra bright 3W Superslim LEDs.
- Up to 28 hours continuous use.
- Quick and easy setup.
- Multiple LED colour combinations available. Other colours upon request.
- Selectable high/low output.
- Includes 240V Smart Charger – won't overcharge.
- Features high performance AGM battery.
- Supplied with handy carry case.

Light Source :	3W LEDs
Battery :	Rechargeable AGM
Body :	Polypropylene
Weight (excluding charger) :	Single Sided 3kg
	Double Sided 3.3kg
Ingress Protection :	LED Module IP67



3W LEDs



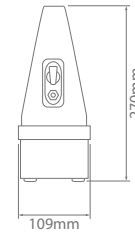
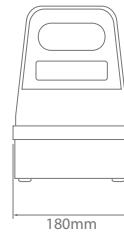
Portable Safety

IONNIC LED Road Markers have found their way into many environments including road side construction, train line maintenance and emergency situations.



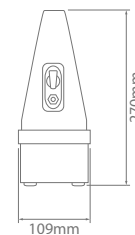
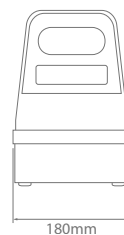
4 LED Road Marker – Single Sided

Part No.	Colour	LED Module
KLED/MKR-A	Amber	1 x 4 LED Superslim Series
KLED/MKR-RB <small>NEW</small>	Red/Blue	1 x 4 LED Superslim Series



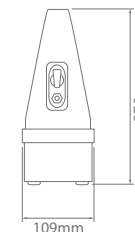
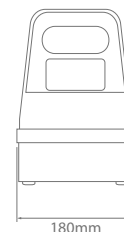
4 LED Road Marker – Double Sided

Part No.	Colour	LED Module
KLED/MKR-AA	Amber	2 x 4 LED Superslim Series
KLED/MKR-RBRB <small>NEW</small>	Red/Blue	2 x 4 LED Superslim Series



6 LED Road Marker – Single Sided

Part No.	Colour	LED Module
KLED/MKR-23A	Amber	1 x 6 LED Superslim Series
KLED/MKR-23RB	Red/Blue	1 x 6 LED Superslim Series



AGM Batteries

AGM batteries are ideal for use in applications where fast recharge, long shelf life, vibration resistance and superior deep cycle performance is required.

AGM or Absorbed Glass Mat batteries are constructed using glass fibre matting, which encapsulates the electrolyte, between lead / ceramic plates. This layer construction makes the battery more robust as the cells no longer need to support their own weight in a bath of acid.



AGM batteries will not leak acid even if broken, will not freeze and require no maintenance.

AGM batteries have a lifespan of up to 10 years and can be discharged up to 80% of their capacity without detriment and have a very low self-discharge rate of typically between 1% – 3% per month.

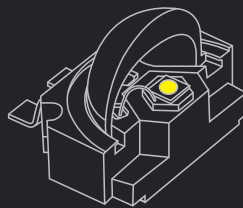
Low internal resistance allows an AGM battery to be charged and discharged rapidly without generating heat or reducing battery life.





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

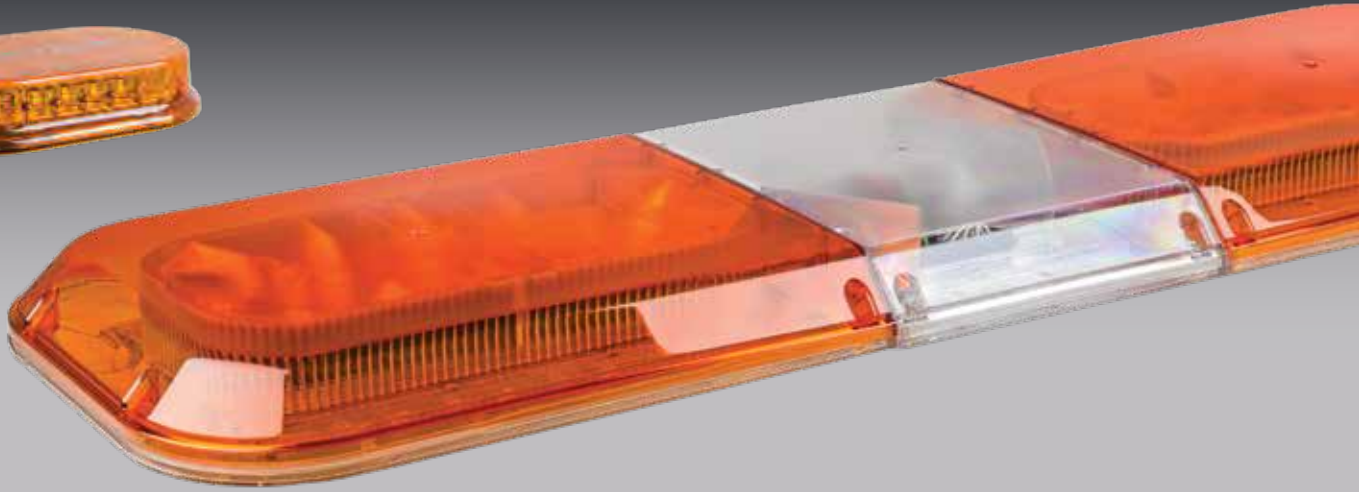
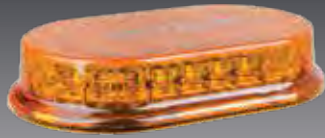
Hybrid Drive



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
IONNIC LED Nano-Bar	57
IONNIC LED Micro-Bar	58
Invader LED – Mini-bar	60
Invader LED – Deluxe	62
Invader LED	64
Invader Options	65
IONNIC Starbar – Razor	68
LED Blaze	72
Blaze	74
Rotating LED Mini-Bar	76
Evolution	78

Lightbars

IONNIC LED Hybrid-Bar

NEW

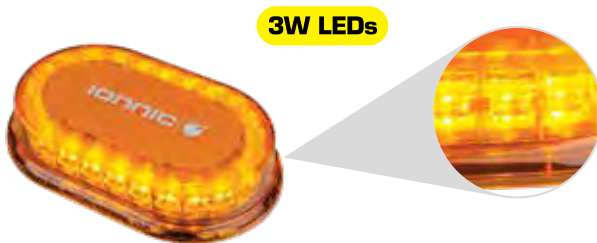


LSB-0110

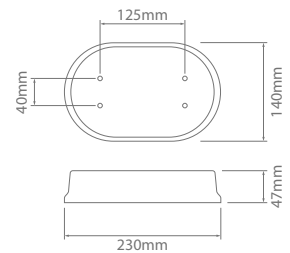
12V
30V IP67 5Yrs

- 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

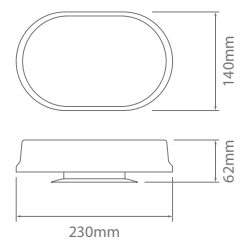
Supplied with 4 x M5 bolts, nuts, split ring & washers.



3W LEDs

MAX 112 GMW

On/off & pattern select switches



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

Amber

LSB-0110-M

- One of the smallest LED lightbars on the market – 165mm long.
- 14 flash patterns.
- Magnetic version features cigar plug with integrated on/off & pattern select switches.
- Latest high output LED technology.
- Robust housing and lens.
- Can be synchronised.
- Multi-voltage.
- Full 360° light dispersion.
- Environmentally sealed LED modules – IP67.
- 5 year warranty.

NEW



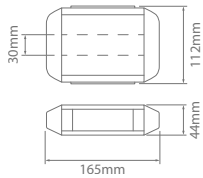
LSQ-0660-M



LSQ-0440

12V
30V
5Yrs

Operational Voltage : 12-30V
 Max. Current Draw : 4A @ 12V
 Flash Patterns : 14
 Mount : 4 x M5 Bolts / Magnetic
 Lens : Polycarbonate
 Housing : Aluminium
 Cable Length : 4 Bolt 0.4m
 Magnetic 3m
 Weight : 1.0kg
 Light Source : 4 x 4-LED Modules
 Ingress Protection : LED Modules IP67
 Operating Temperature : -40°C to 60°C



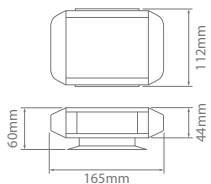
LSQ-0110

IONNIC LED Nano-Bar – 4 Bolt NEW

- Amber
LSQ-0110
- Blue
LSQ-0330
- Green
LSQ-0440
- Magenta
LSQ-0660
- Red
LSQ-0550
- Amber/Green
LSQ-0550
- Red/Blue
LSQ-0770

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

Dual colour models – Only the rotation flash pattern alternates between the two colours. The remaining flash patterns operate in the selected singular colour.



Nano-Bar in drawstring carry bag



On/off & pattern select switches

MAX
112
KM/H



IONNIC LED Nano-Bar – Magnetic NEW

- Amber
LSQ-0110-M
- Blue
LSQ-0330-M
- Green
LSQ-0440-M
- Magenta
LSQ-0660-M
- Red
LSQ-0550-M
- Red/Blue
LSQ-0770-M

Supplied with drawstring carry bag.

Dual colour models – Only the rotation flash pattern alternates between the two colours. The remaining flash patterns operate in the selected singular colour.



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

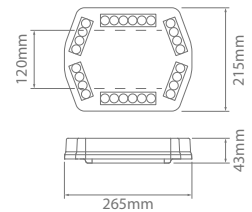


LSA-0110



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

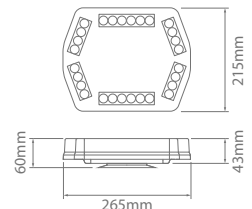
Supplied with optional mounting brackets & hardware.

On/off & pattern select switches



LSA-0110-M

MAX
112
KM/H



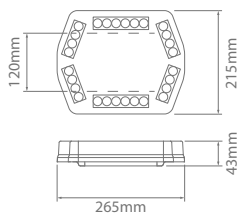
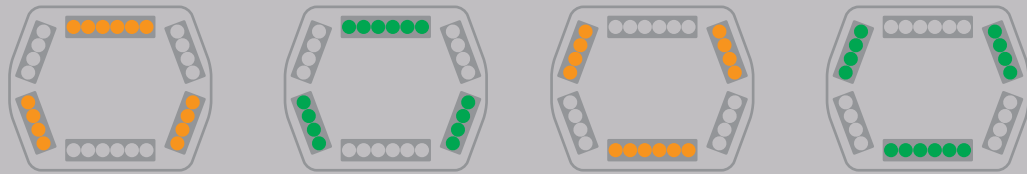
IONNIC LED Micro-Bar – Magnetic **NEW**

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

Supplied with drawstring carry bag.

Dual Colour

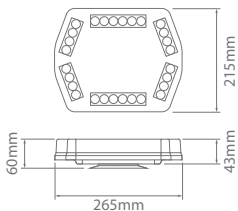
Dual colour IONNIC LED Micro-Bars are built with the latest multi-chip LED technology. With two colours in each LED the Micro-Bar will alternate between colours as part of it's flash pattern. Colours can not be controlled independently.



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

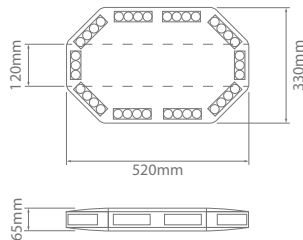
5Yrs

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

Supplied with optional mounting brackets & hardware.

Internet Internet

ionnic.com



- Keep up to date with the latest product releases.
- Compare products.
- Download catalogues or technical information.



ionnic.com



ionnic | 
Lighting | Safety | Electrical

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

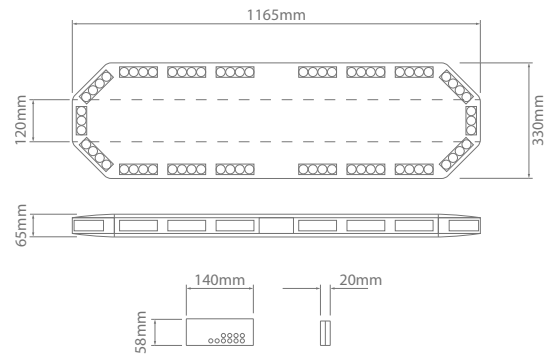
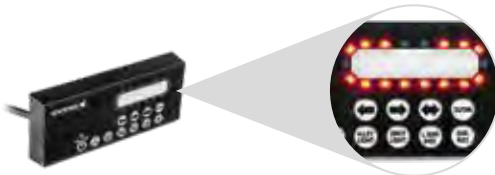


Forward spot/
take-down lamps



Universal gutter
mount kit

Real-time display
showing current
flash pattern



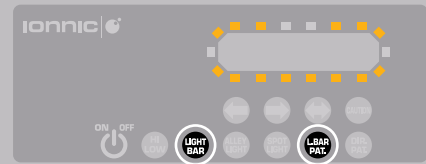
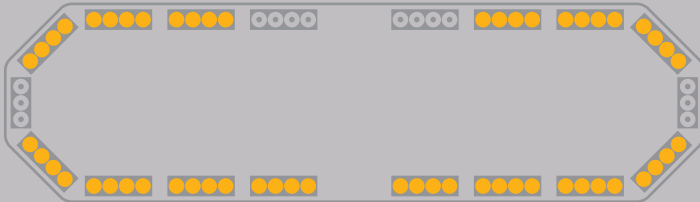
Invader LED – Deluxe

- Amber **LSA-200A-11AA**
- Magenta **LSA-266A-11AA** NEW
- Amber/Green **LSA-288A-11AA** NEW
- Red/Blue **LSA-277A-11AA** NEW

Supplied with permanent mount hardware and universal gutter mount kit.

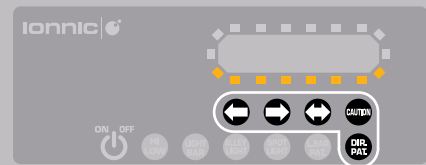
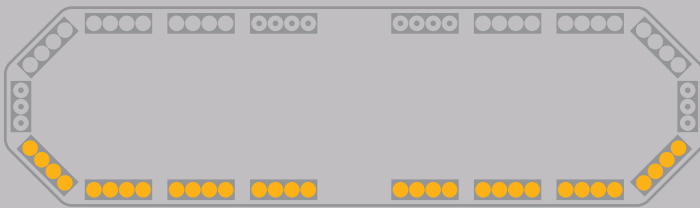
Controller Functions

Lightbar Pattern Mode



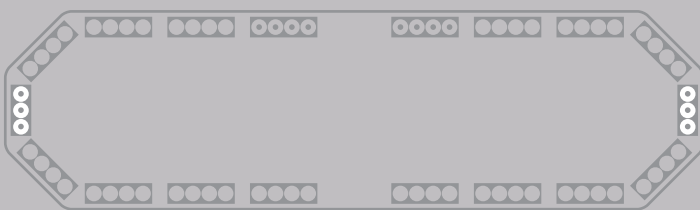
Lightbar Pattern mode controls the majority of LED modules. A range of flash patterns utilising these modules can be selected using buttons highlighted above. Lightbar patterns can be factory locked.

Traffic Director Mode



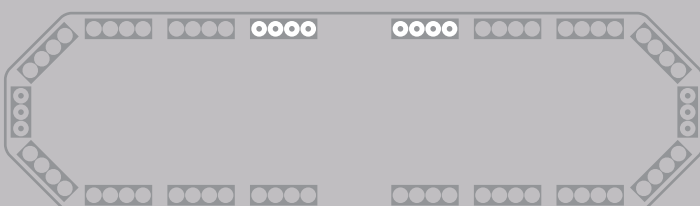
Traffic Director mode controls the rear 8 LED modules. A range of flash patterns can be selected using the 5 buttons on the controller highlighted above. Traffic Director patterns can be factory locked.

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

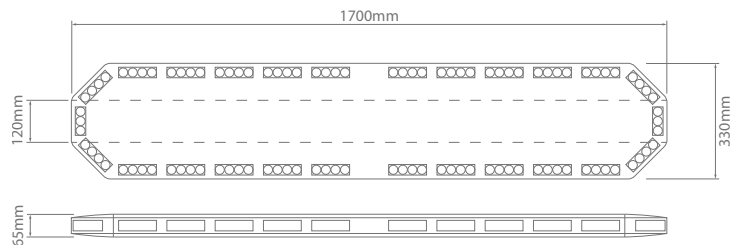
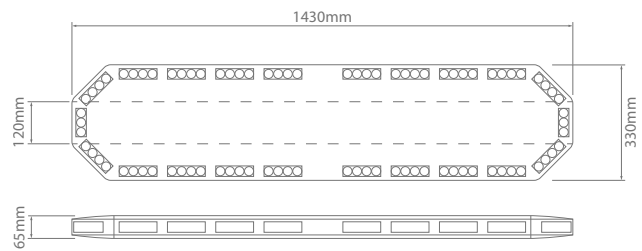
Operational Voltage : 12-30V
Flash Patterns : 30
Lens : Polycarbonate
Housing : Anodised Aluminium
End Caps : ABS
Harness Length : 6.5m
Ingress Protection : LED Modules IP67
Operating Temperature : -40°C to 60°C



Alley lights



Forward spot/
take-down lamps

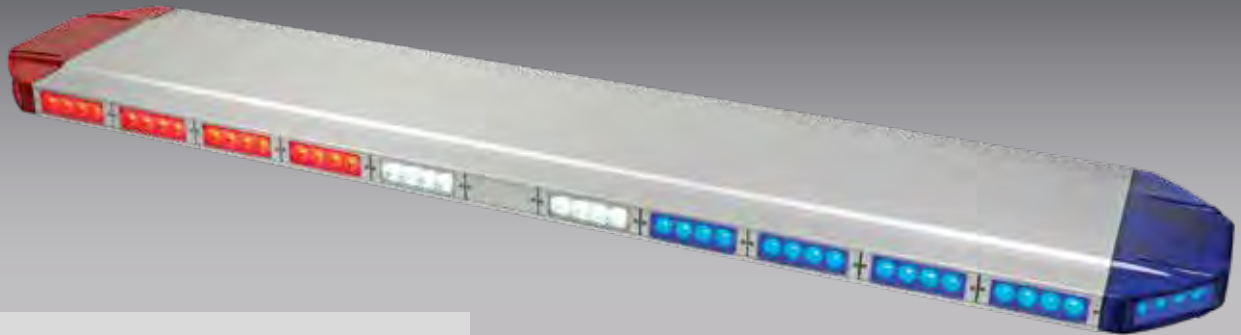


Universal gutter
mount kit

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**.

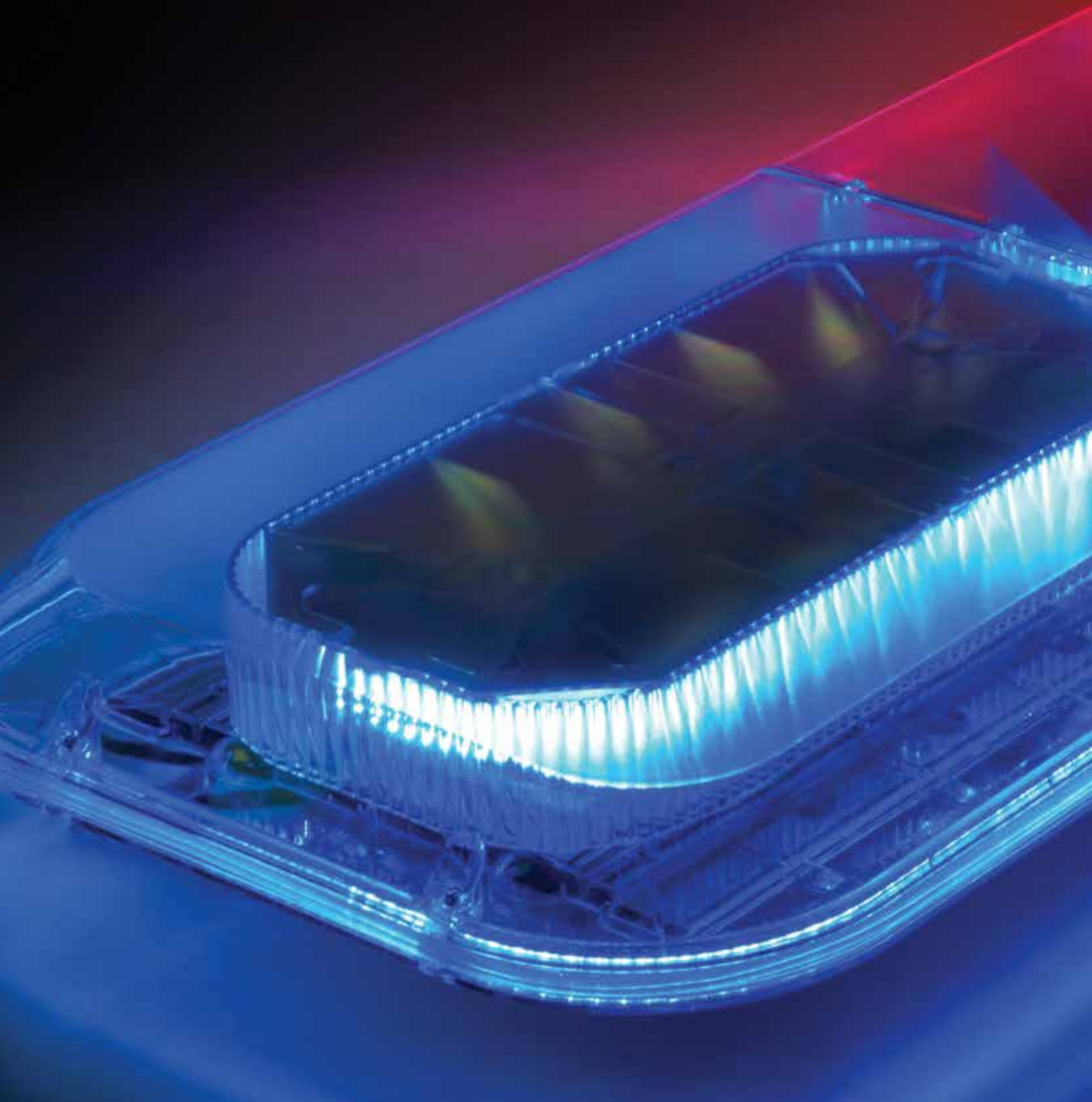


LED Colours

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



Introducing the new
ionnic
Starbar





Lightbars

IONNIC Starbar – Razor

NEW

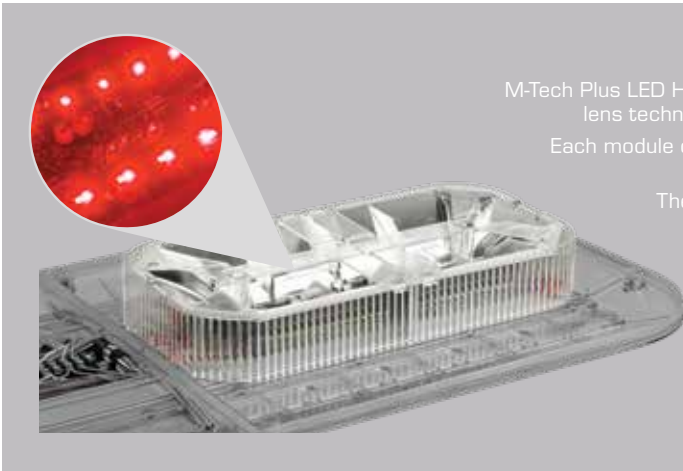


STR227-9999-AAA



- 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.

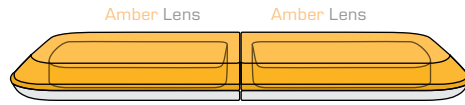
M-Tech Plus LED Heads incorporate a low voltage warning system. This feature senses the input voltage and flashes a fast pattern (approximately 16 cycles per second) to indicate the system voltage is low. Once the input voltage returns to normal (greater than 12V/24V) the flash pattern returns to normal.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



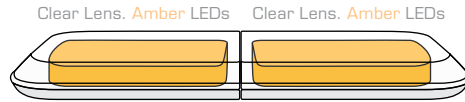
IONNIC Starbar – Razor – 920mm NEW

Part No.

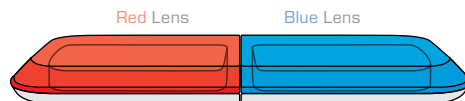
STR120-0A9A-AAA



STR120-9A9A-AAA



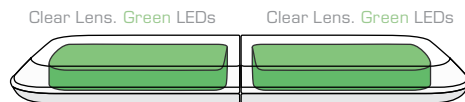
STR127-7A9A-AAA



STR127-9A9A-AAA



STR124-9A9A-AAA



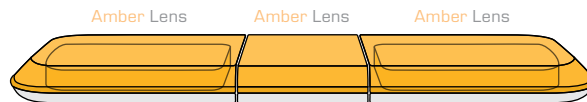
STR12S-9A9A-AAA



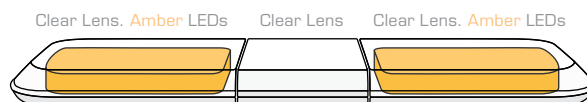
IONNIC Starbar – Razor – 1170mm NEW

Part No.

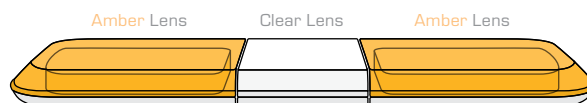
STR220-0099-AAA



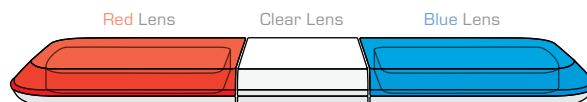
STR220-9999-AAA



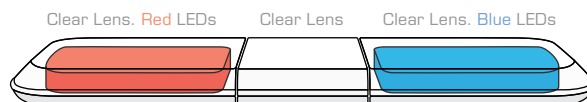
STR220-0999-AAA



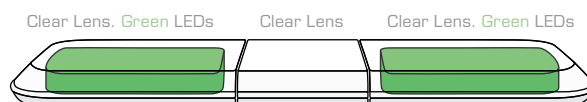
STR227-7999-AAA



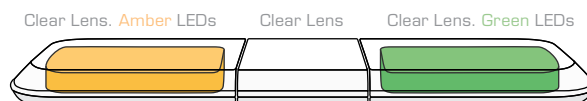
STR227-9999-AAA



STR224-9999-AAA



STR22S-9999-AAA

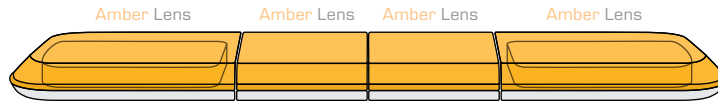


Lightbars

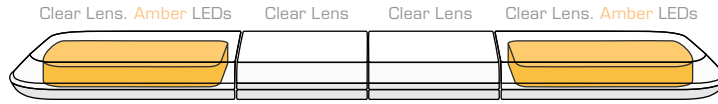
IONNIC Starbar – Razor – 1425mm NEW

Part No.

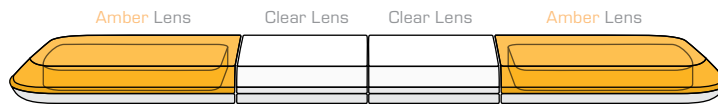
STR320-0099-AAA



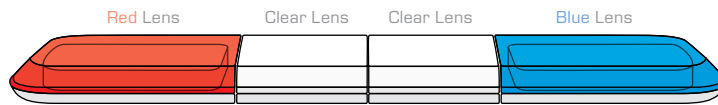
STR320-9999-AAA



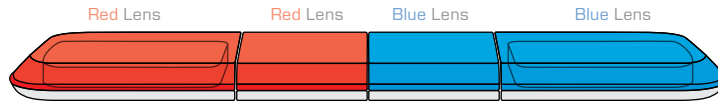
STR320-0909-AAA



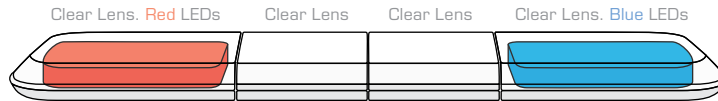
STR327-7999-AAA



STR327-7799-AAA



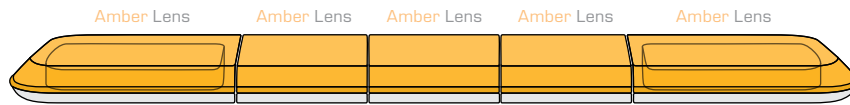
STR327-9999-AAA



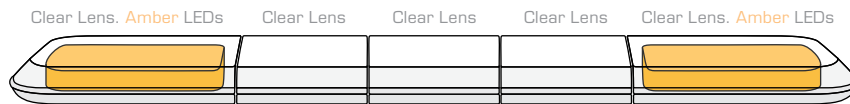
IONNIC Starbar – Razor – 1680mm NEW

Part No.

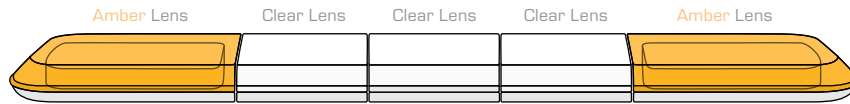
STR420-0099-AAA



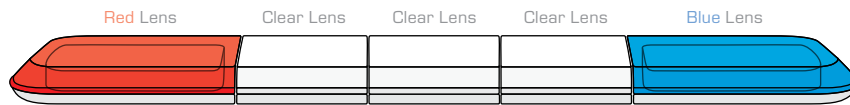
STR420-9999-AAA



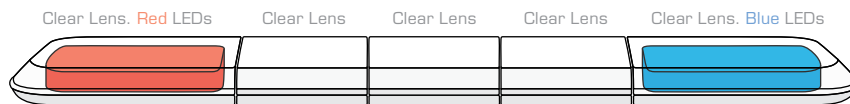
STR420-0999-AAA



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.

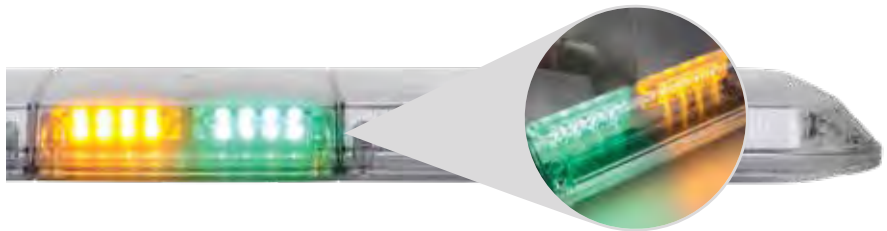


Superslim LED Modules

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

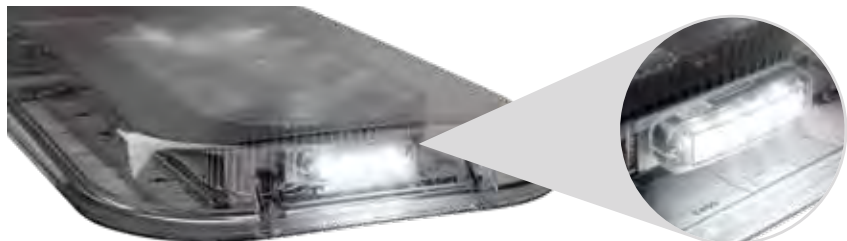
Forward or rear facing scene lights providing continuous illumination.

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



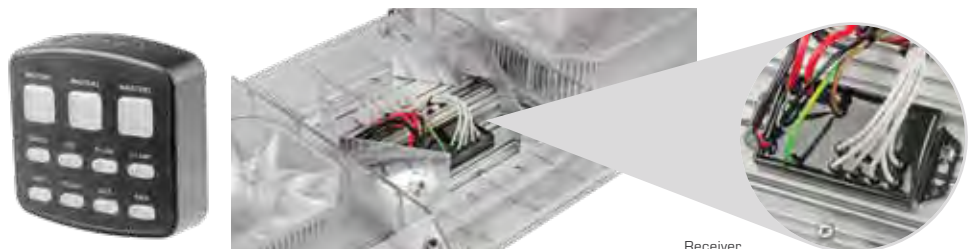
LED Alley Lights

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



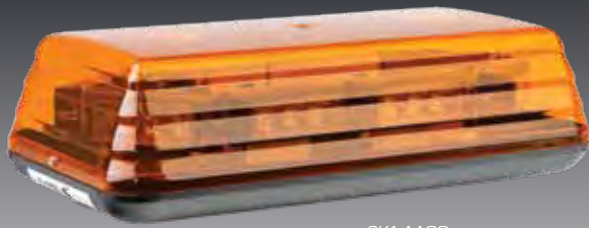
ICS Switch Panel

Universal switch controller. For more info see page 8.



Lightbars

LED Blaze



6K1.AA00



691.AA00

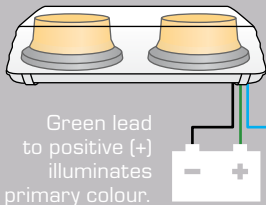
12V
24V

- 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.

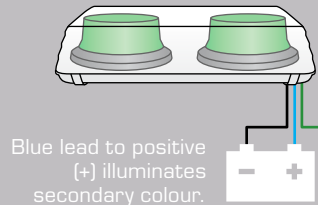
Voltage : 12–24V
Current Draw Per LED Module : 0.35A @ 12V
Current Draw 360 Series : 3.2A @ 12V
Light Source : LED
Mount : 2 x 13mm Bolts / Magnetic
Lens : Polycarbonate
Base : Polycarbonate
Ingress Protection : LED Modules IP67

360 Series Colour Change Control

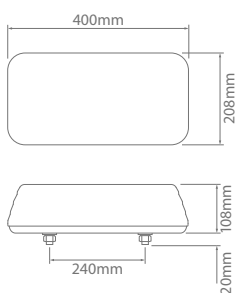
Primary Colour Mode



Secondary Colour Mode



Dual Colour Mode



IONNIC 103 Series LED Beacon

691.AA00



NEW

LED Blaze – 360 Series

NEW

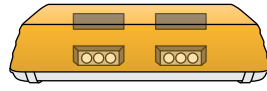
	Amber	Blue	Green	Red	Amber/Green	Red/Blue
Clear Lens	691.AA0C	691.AA1C	691.AA4C	691.AA5C	691.AASC	691.AA7C
Coloured Lens	691.AA00	691.AA10	691.AA40	691.AA50	691.AASO	691.AA70
Colour Change (Clear Lens)	—	—	—	—	690.AASC	690.AA7C

300mm free length of cable.

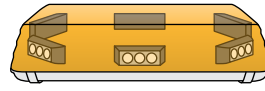
Lightbars



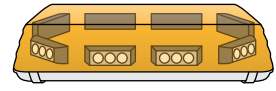
4 Module - Corners



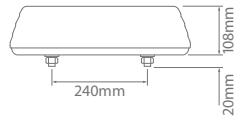
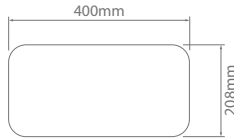
4 Module - Front / Rear



6 Module



8 Module



6K1.AA00

LED Blaze – 2 Bolt



4 Module – Corners

Amber

6J1.AA00

Blue

6J1.AA10

Green

6J1.AA40

Red

6J1.AA50

Red/Blue

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

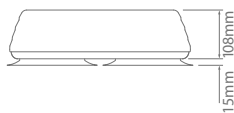
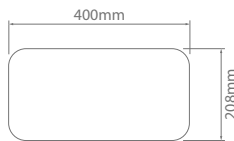
6K1.AA10

6K1.AA40

6K1.AA50

6K1.AA70

300mm free length of cable.



6K1.AA70.M

LED Blaze – Magnetic



4 Module – Corners

Amber

6J1.AA00.M

Blue

6J1.AA10.M

Green

6J1.AA40.M

Red

6J1.AA50.M

Red/Blue

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



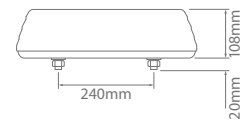
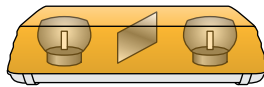
601.AA01.M

- 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



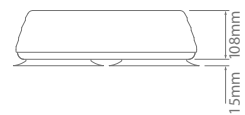
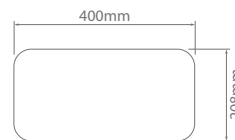
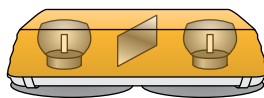
Blaze – 2 Bolt

	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.

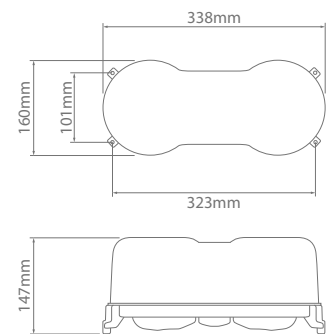
Longer life of LEDs over alternative lighting.

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



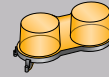
165mm

Micro-Bar



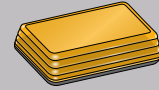
265mm

Rotating LED Mini-Bar



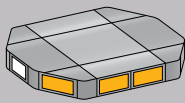
338mm

Blaze

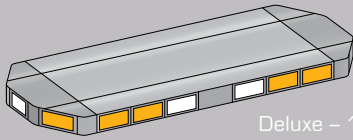


400mm

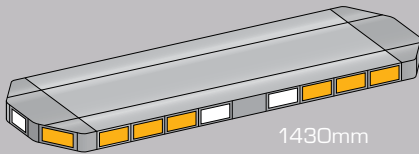
Invader LED



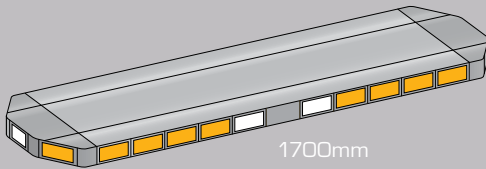
Mini-Bar – 520mm



Deluxe – 1165mm

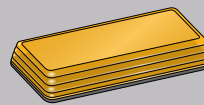


1430mm

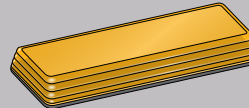


1700mm

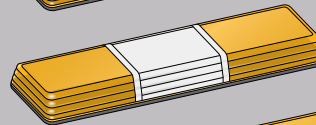
Evolution Lightbar



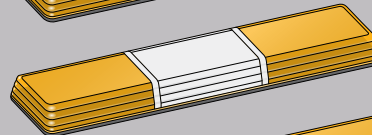
570mm



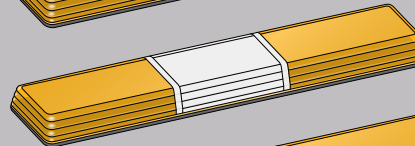
742mm



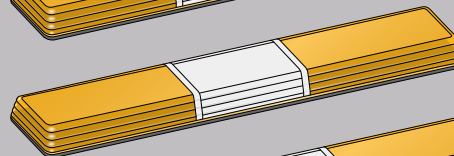
1000mm



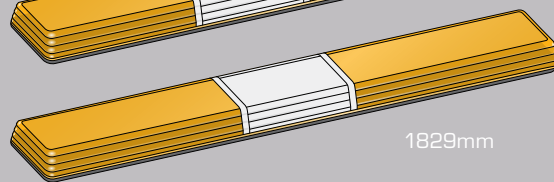
1212mm



1372mm

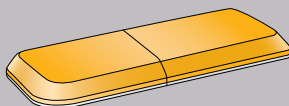


1524mm

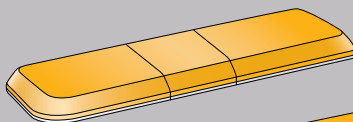


1829mm

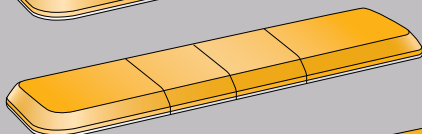
Starbar – Razor



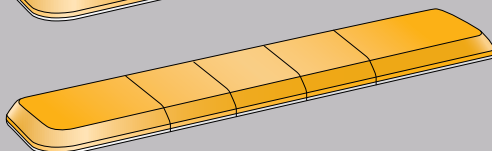
920mm



1170mm



1425mm



1680mm

Hybrid-Bar 62mm



Nano-Bar 44mm



Micro-Bar 43mm



Rotating LED Mini-Bar 147mm



Blaze 108mm



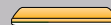
Invader LED 65mm



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.

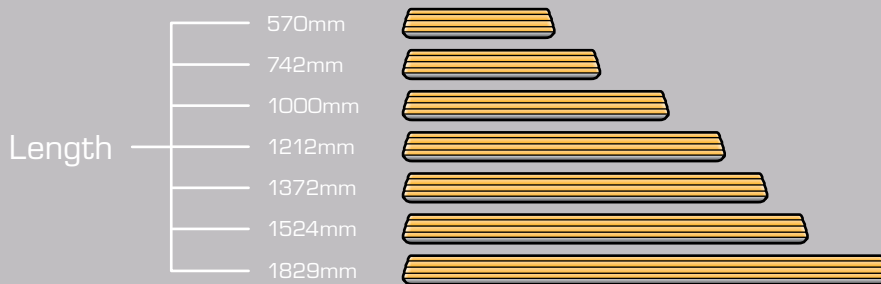
Built to order.
Lead times apply



Lens :
Base :
Height :
Harness Length :

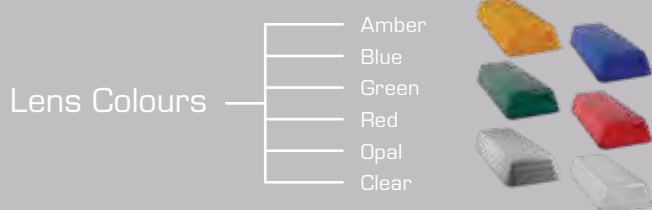
Polycarbonate
Aluminium
108mm
3m

All Evolution Lightbars are Built to Order



Voltage

- 12V
- 24V



Add
Some
Options

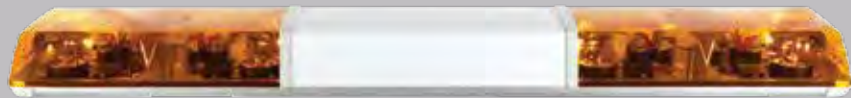
Alley Lights

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.

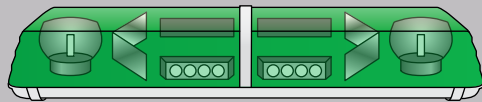


Lightbars

Examples of potential Evolution lightbar configurations.



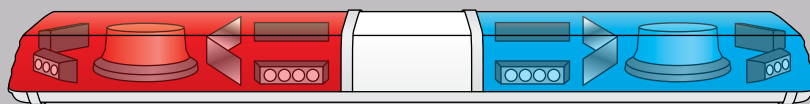
570mm



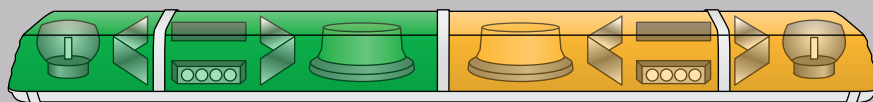
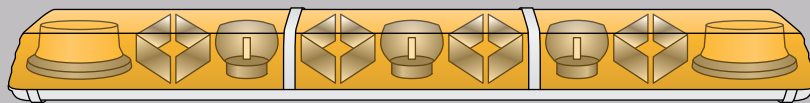
742mm



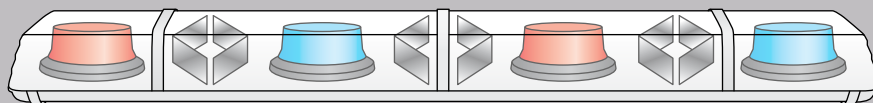
1000mm



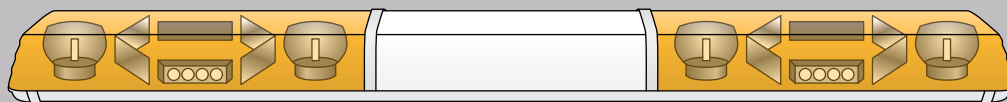
1212mm



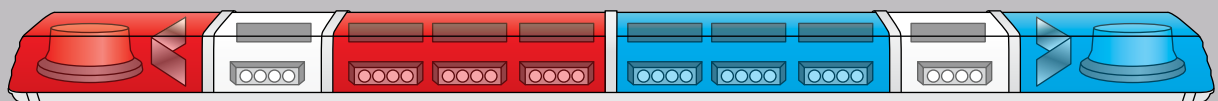
1372mm



1524mm



1829mm



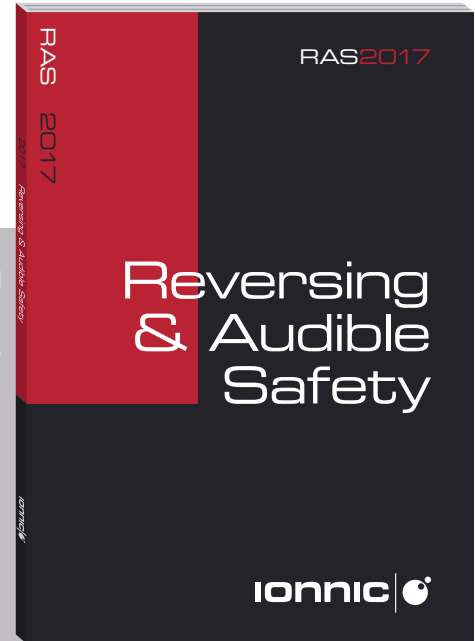
Catalogues

Safety



- White Sound Reversing Alarms
- Tonal Reversing Alarms
- CCTV Systems
- Obstacle Detection
- Horns & Buzzers
- Sirens & Intercoms

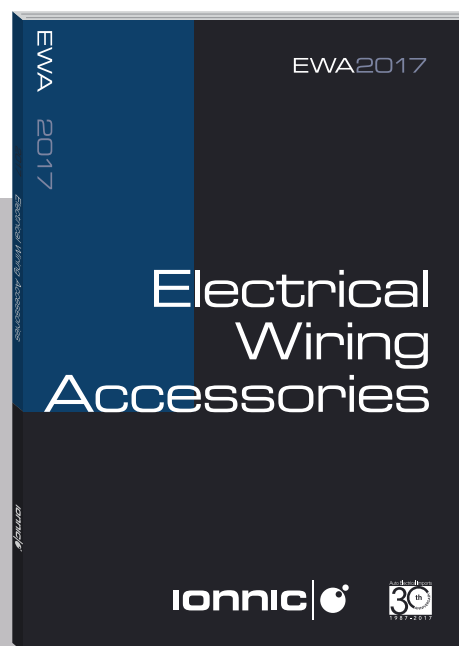
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The new and improved

ionnic

Minebars





ionnic



Engineered to Last

Designed and manufactured in Australia, the IONNIC range of Minebars & ROPS bars, are built using the highest quality materials and workmanship.

With 16 configurations available the range is engineered with durability and ease of installation as their primary focus and each is thoroughly tested before being despatched to the customer.



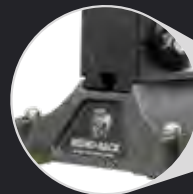
Extruded Aluminium Bar

The new IONNIC Minebar is more easily customised, adaptable and user friendly than ever before.

Drawing on over a decade's experience in manufacturing and supplying Minebars, the new IONNIC Minebar range has been redesigned from the ground up.

With a new dedicated aluminium extrusion and a range of universal and vehicle specific mounting options and accessories IONNIC have created a total Minebar system allowing users to customise each bar to suit their individual requirements.

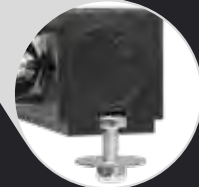
Manufactured here in Australia for local conditions.



Stepped edge allows for the use of Rhino-Rack® mounting kits.



Mounting channel runs entire length of bar allowing virtually unlimited mounting options.





Minebars

Minebars

86

ROPS Bars

91

Minebars

Minebars

NEW



- Featuring all premium products including the IONNIC 103 LED beacon, Nordic CANIS GO 410 worklamp and the Brigade tonal and bbs-tek® reversing alarms.
- Designed and manufactured in Australia from high quality components.
- Models also available with forward facing turn signal LEDs.
- All minebars equipped with ADR approved IONNIC LED combination lamps – stop, tail, indicator & reverse lamps.
- Extruded aluminium bar providing greater strength and adaptability.
- Stepped edge allows for the use of Rhino-Rack® mounting kits.
- Multi-voltage.



Voltage : 12–24V
 Bar : Anodised Aluminium
 Harness Length : 4m

Built around IONNIC's proven anodised minebar platform, the new IONNIC low profile minebar range is exclusively designed and manufactured in Australia and built using only quality components from trusted manufacturers.

Configurations are available with Nordic worklamps, Brigade tonal or bbs-tek reversing alarms, IONNIC LED beacons, Micro-bars and combination lamps.

21003AF & 21005AF feature forward turn signal LEDs



SAE Class 1 rated output IONNIC 103 LED Beacon



bbs-tek® white sound or tonal reversing alarms

Nordic CANIS GO 410 LED Worklamp



ADR approved IONNIC LED combination lamps – stop, tail, indicator & reverse lamps



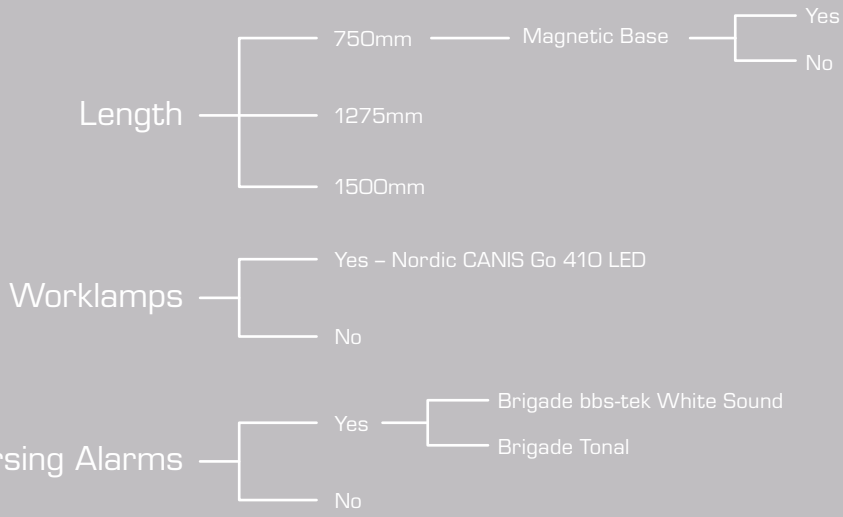
Nordic CANIS GO 410 Worklamp
 Tough, compact with powerful light output. Cast alloy body with IP68 environmental protection.
 For more info visit www.ionnic.com or contact your nearest reseller.

IONNIC 103 LED Beacon
 SAE class1 rated output, IP67, low current draw, low profile and highly durable.
 See page for 16 more details.

Brigade – bbs-tek® White Sound or Tonal Reversing Alarms
 Environmentally sealed to IP68 with the option of bbs-tek white sound (shh shh shh) or tonal (bleep bleep bleep).
 For more info visit www.ionnic.com or contact your nearest reseller.

IONNIC Combination Slimline Lamps
 Stop, tail and reverse LED lighting. Durable, IP67, ADR approved.
 Forward facing turn signal LED lamps also available on select minebars.
 For more info visit www.ionnic.com or contact your nearest reseller.

Minebar Core Range Options:



Minebars



21003A, 21003AF, 21003B



21005A, 21005AF, 21005B

Fig 1

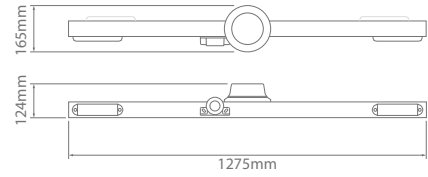
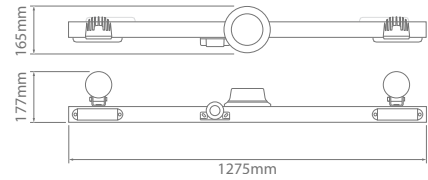


Fig 2



Minebars – 1275mm NEW

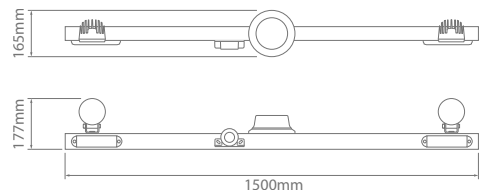
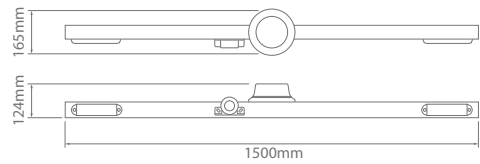
Part No.	Alarm Type	Sound Level – dB(A) @1m	Forward Facing Turn Signal LEDs	Worklamps	Fig
21003A	Tonal	97	—	—	1
21003AF	Tonal	97	•	—	1
21003B	bbs-tek	92	—	—	1
21005A	Tonal	97	—	•	2
21005AF	Tonal	97	•	•	2
21005B	bbs-tek	92	—	•	2



31003A



31005A

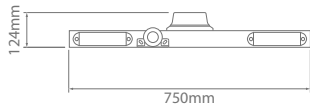
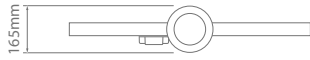


Minebars – 1500mm NEW

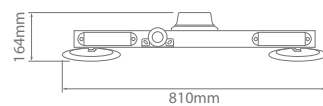
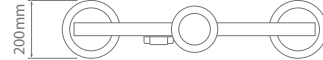
Part No.	Alarm Type	Sound Level – dB(A) @1m	Worklamps
31003A	Tonal	97	—
31005A	Tonal	97	•



1103A



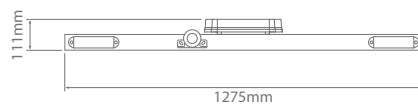
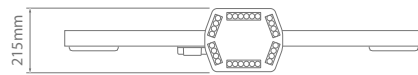
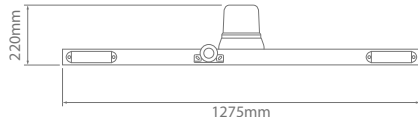
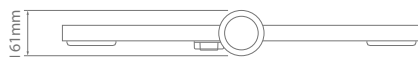
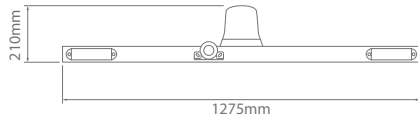
1104A



Minebars – 750mm NEW

Part No.	Alarm Type	Sound Level – dB(A) @1m	Mount Type
1103A	Tonal	97	2 Bolt
1104A	Tonal	97	Magnetic

Magnetic version requires fitment of user supplied trailer plug assembly.



20003A



20006A



22003A

Minebars – 1275mm – Specials NEW

Part No.	Voltage	Beacon Type	Alarm Type	Sound Level – dB(A) @1m
20003A	12	Halogen Rotating	Tonal	97
20006A	12-24	LED Rotating	Tonal	97
22003A	12-24	IONNIC LED Micro-Bar	Tonal	97

24V of the 20003A available upon request, lead times apply.



Minebars



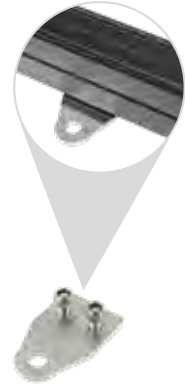
905A09



905A13



905A14



905FB

Mounting Kits

Part No.	Description	Suits	
		1275mm Minebars	1500mm Minebars
905A09	Universal bolt-down mounts	•	•
905A13	Suits Toyota Prado with genuine roof rails	•	—
905A14	Suits Toyota Prado without roof rails & 200 Series Landcruiser	•	—
905FB	Accessory mount. Ideal for aerials, flags etc. Ø 12.5mm mounting hole	•	•

Not suitable for use with 750mm minebars.

- Designed and manufactured in Australia.
- Conforms to road registration lighting requirements.
- Quick and easy installation clamps to ROPS.
- Halogen Rotator or LED Beacon models.
- ADR compliant LED lamps front & rear.
- Available with bbs-tek® white sound reversing alarm.
- 4m Schlemmer protected harness with Deutsch connector.
- Supplied with mounting kit.



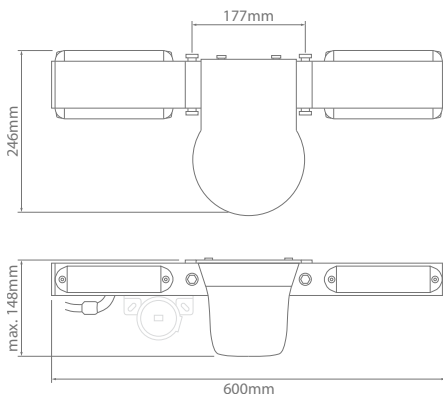
50001A

Beacon Lens : Polycarbonate
 Light Source : Beacon Halogen/LED
 Stop/Tail/Indicators LED
 Reversing Alarm Output : 87dB
 Bar : Powder Coated Aluminium
 Harness : 4m



50002

bbs-tek® white sound reversing alarm on 50001A




Roll Over Protection System Bar

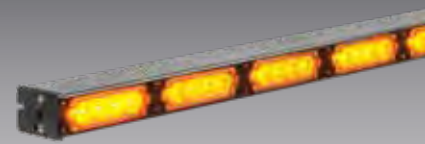
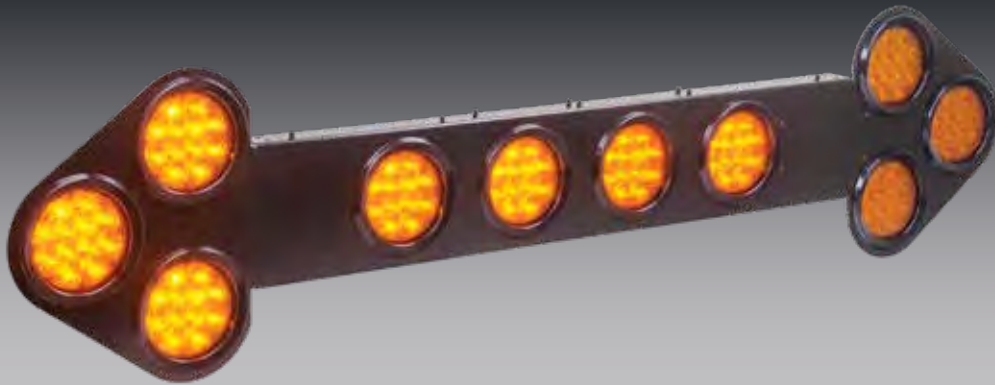


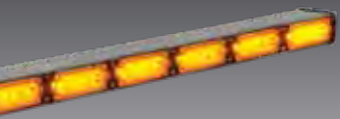
Typical Installation showing bar clamped to ROPS.

ROPS Bars

Part No.	Voltage	Beacon Type	Alarm
50001	12	Halogen Rotating	—
50001A	12	Halogen Rotating	•
50002 	12-24	IONNIC 106 LED	—







Traffic Direction

Arrow Boards	94
IONNIC Traffic Director	98
Traffic Master	100
AE850 Arrow Boards	102
M5 Matrix Display	104
IONNIC Message Alert System	106

Traffic Direction

Arrow Boards



- Complies to Australian standards and RMS FAS/5.
- High intensity LED inserts certified to AS4192:2006.
- Double sided models available.
- Simple wiring installation.
- Optional electric actuator available.
- Integrated actuator control & beacon switch.
- Compact controller with real-time display & audible lamp failure alarm.
- Low current draw.
- Multi-voltage. *Actuator is voltage specific.*

Voltage : 12–24V
Lens : Polycarbonate
Board : Powder-coated Aluminium
Warranty : 2 years, 5 years (lamps only)
Approvals : RTA FAS/5 (A & B boards only)
 Australian Standards AS4192:2006
 C Tick No. N24440, NATA Certified (lamps only)
 Australian Standards Visibility Distances for
 A Board (500m), B Board (1000m), C Board (1500m)
Operating Temperature : -10°C to 60°C
Controller Harness : 15m
Power Harness : 10m
Light Source : LED (NATA Certified Lamp)



Flash Patterns

Flashing Arrow Right



1

2

3

Flashing Arrow Left

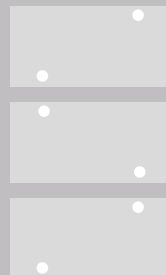


1

2

3

Corner Caution
(alternates)



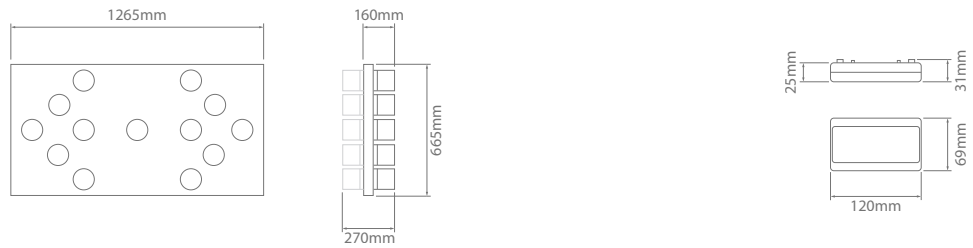
1

2

3

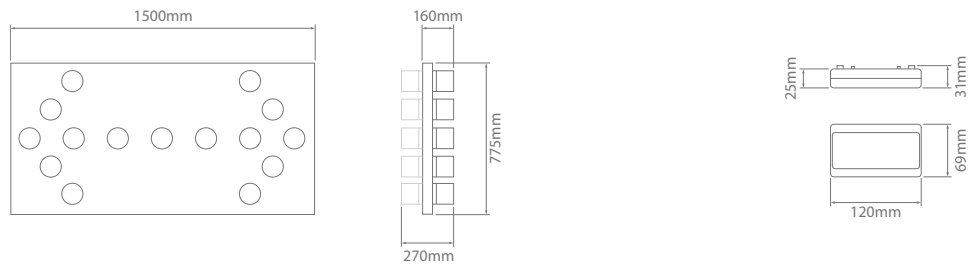
Flashing Double Arrows





A Board – 13 Lamp

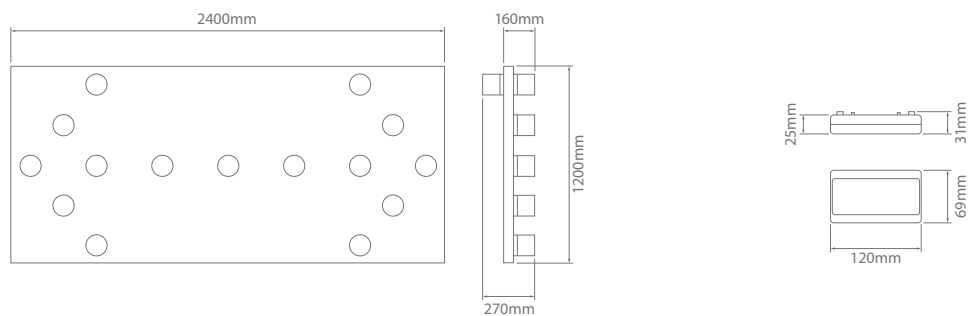
Part No.	Description	Max. Current Draw	Weight (kg)
AAB-AB	Single sided board, controller & harnesses	2.1A @ 12V	16.6
AAB-AB-DBL	Double sided board, controller & harnesses	4.2A @ 12V	18.7



B Board – 15 Lamp

Part No.	Description	Max. Current Draw	Weight (kg)
AAB-BB	Single sided board, controller & harnesses	2.5A @ 12V	21.6
AAB-BB-DBL	Double sided board, controller & harnesses	5A @ 12V	25.3

Built to order.
Lead times apply.



C Board – 15/17 Lamp

Part No.	Description	Max. Current Draw	Weight (kg)
AAB-CB	Single sided board, controller & harnesses	2.5A @ 12V	55

Supplied with 2 separate lamps for optional installation to back of board.



Traffic Direction



AAB-L0010



AAB-L0004



AAB-R0050, AAB-R0040



TA4-12V, TA4-24V



AAB-VRACK

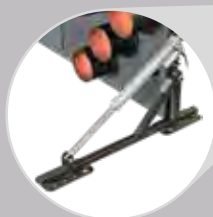
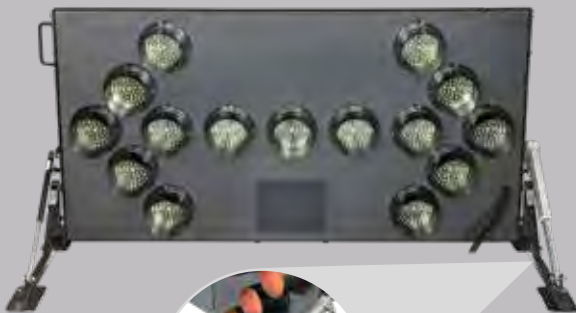


TA1-1P

Arrow Boards Spare Parts / Accessories

Part No.	Description	Suits
AAB-L0010	LED insert. 12V	All boards
AAB-L0004	LED shroud	All boards
AAB-R0050	Rack assembly including gas strut	A board
AAB-R0040	Rack assembly including gas strut	B boards
TA4-12V	Electric actuator. 12V, 5.2A, IP66	AAB-R0050 / AAB-R0040
TA4-24V	Electric actuator. 24V, 3.0A, IP66	AAB-R0050 / AAB-R0040
AAB-VRACK	Vertical rack assembly including actuator	Suits B boards – Single sided only
TA1-1P	Electric actuator. 12V, 8.0A	Suits vertical rack

Mounting Racks



Standard Rack Assembly with Electric Actuator



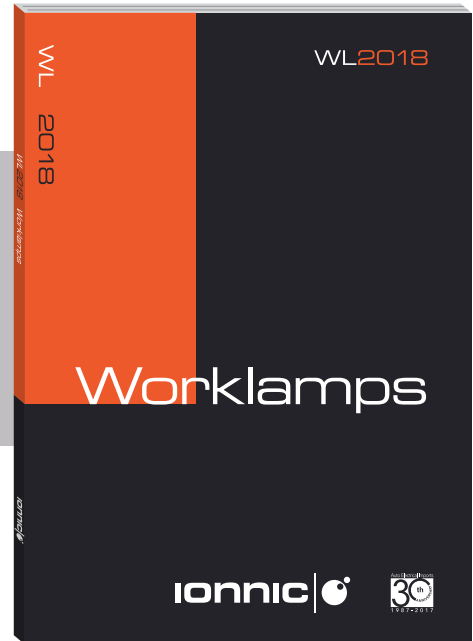
Vertical Rack Assembly

Catalogues

Lighting

- Nordic Heavy Duty LED
- Nordic General Purpose LED
- Nordic Heavy Duty HID
- Nordic Heavy Duty Halogen
- IONNIC LED
- LED Interior Lighting
- LED Workshop Lighting

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IONNIC

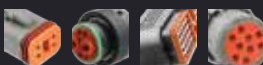
Lighting | Safety | Electrical

Electrical

Connectors



DEUTSCH



IONNIC

- DT Series
- DTM Series
- DTP Series
- DTHD Series
- HD10 Series
- HD30/HDP20 Series
- DRC Series
- Contacts & Plugs
- Deutsch Connector Tools

To get your copy visit ionnic.com



Traffic Direction

IONNIC Traffic Director

NEW



LSTA001

12V 24V ECE R10 5Yrs

- 10 epoxy sealed, high output LED modules.
- Controller shows flash patterns in real time.
- Each mode has multiple selectable flash patterns.
- Supplied with mounting brackets, controller and harness.
- End modules available in 4 colour combinations.
- Dimming function via controller.
- Epoxy encapsulated electronics for environmental & vibration protection.
- Multiple mounting options.
- LEDs rated to 100,000 hours.
- Low current draw.
- Multi-voltage.
- 5 year warranty.

Voltage :	12-24V
Max. Current Draw :	3.5A @ 12V
Lens :	Polycarbonate
Base :	Aluminium
Approvals :	ECE R10, SAE-W-07
Light Source :	LED
Controller Harness :	12m
Power Harness :	12.5m
Kit Weight :	3.6kg
Ingress Protection :	LED Modules IP67
Operating Temperature :	-40°C to 80°C

Controller Functions



The Director Pattern (DIR. PAT.) button is used in conjunction with the top 4 buttons. When one of the top four patterns is engaged, pressing the DIR. PAT. button will then cycle to the next version of that pattern. There are 8 versions of each of the four patterns.

IONNIC Traffic Director patterns can be factory locked, MOQ's required.



- 

 +  Cycles through 8 Left Arrow pattern variants
- 

 +  Cycles through 8 Right Arrow pattern variants
- 

 +  Cycles through 8 Centre Out pattern variants
- 

 +  Cycles through 8 Caution pattern variants



The END LIGHT button controls the two outer most LED modules only. When the END LIGHT pattern is engaged, the END PAT. button cycles through the 8 versions of the END LIGHT pattern.

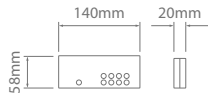
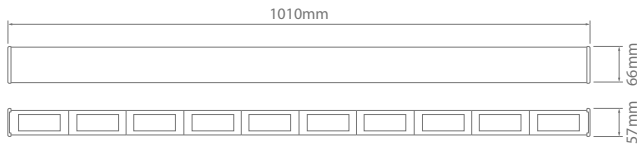
IONNIC Traffic Director patterns can be factory locked, MOQ's required.



- 

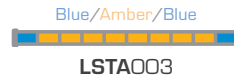
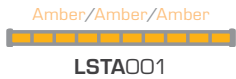
 +  Cycles through 8 End Light pattern variants

Traffic Direction



Supplied with mounting brackets, controller and harness

IONNIC Traffic Director NEW



Supplied with mounting brackets, controller and harness.

Controller harness must not be shortened or modified.



LSTA410TP



LS-M42TA, LS-M42TB, LS-M42TG, LS-M42TR

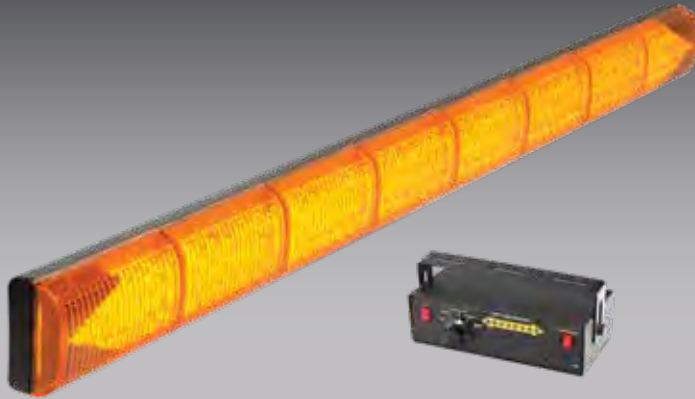
IONNIC Traffic Director Spare Parts

Part No.	Description
LSTA410TP	Controller
LS-M42TA	LED Module – Amber
LS-M42TB	LED Module – Blue
LS-M42TG	LED Module – Green
LS-M42TR	LED Module – Red



Traffic Direction

Traffic Master



12V
24V

5Yrs

- 8 sealed high output LED modules.
- Controllers shows flash pattern in real time.
- Unique reflector-cell technology focuses and aims light.
- Available in split and standard versions.
- 8 flash patterns.
- Low current draw.
- Supplied with mounting brackets, controller and harness.
- Multi-voltage.
- 5 year warranty.

Voltage : 12-24V
 Max. Current Draw : 1.2A @ 12V
 Lens : ABS
 Base : Aluminium
 Light Source : LED



Flash Patterns

Sequential Flashing Left



Sequential Flashing Right



Sequential Flashing Centre Out



Alternate Flashing Pattern 1



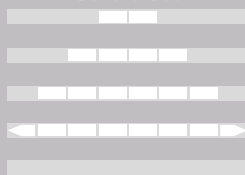
Stepping Flashing Left



Stepping Flashing Right



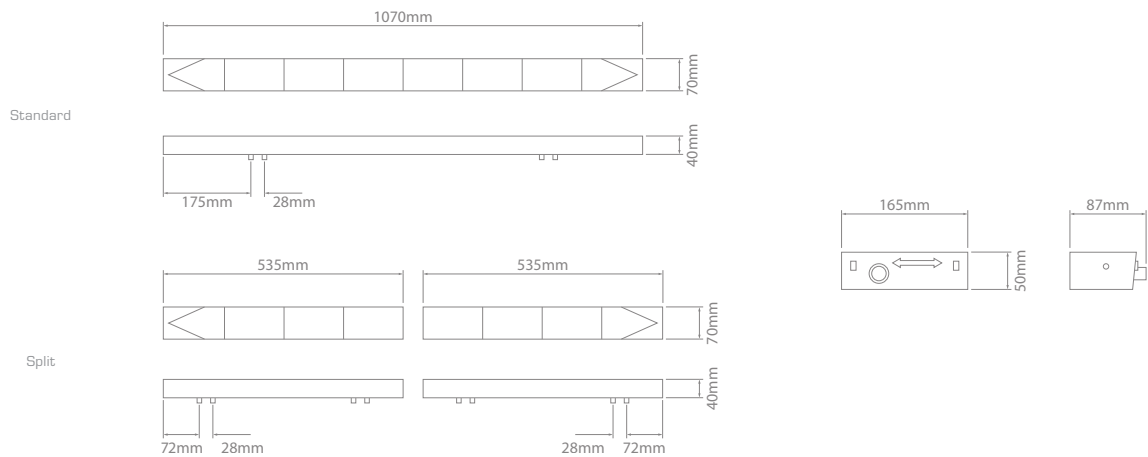
Stepping Flashing Centre Out



Alternate Flashing Pattern 2



Traffic Direction



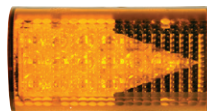
Traffic Master

	Standard		Split
7m Harness	20m Harness		7.6m (x 2) Harness
S10000	S10000/20M		S10001 NEW

Supplied with mounting brackets, controller and harness.



ET2CBTML



PLMATMLED



PLMCTMLED

Traffic Master Spare Parts

Part No.	Description
ET2CBTML	Controller
PLMATMLED	LED Module – End
PLMCTMLED	LED Module – Centre



Traffic Direction

AE850 Arrow Boards



- Designed and manufactured in Australia.
- 10 sealed high output LED modules.
- 7 flash patterns.
- Increased reliability via solid state switching.
- Can be mounted upright or pendant.
- Low current draw.
- Supplied with controller & harness.
- 12V and 24V versions available.

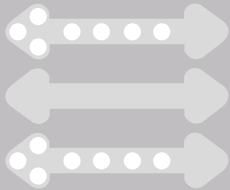
Lens :
Board :
Weight :
Light Source :

Polycarbonate
Powder-coated Steel
7.4kg
LED

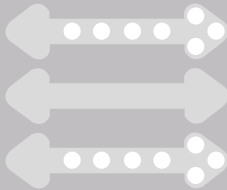


Flash Patterns

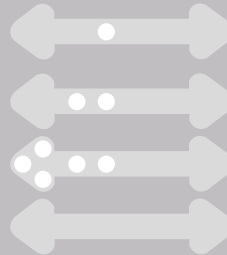
Flashing Arrow Left



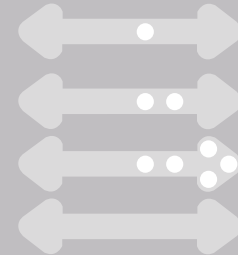
Flashing Arrow Right



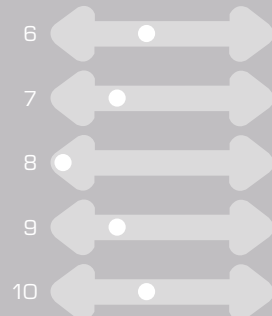
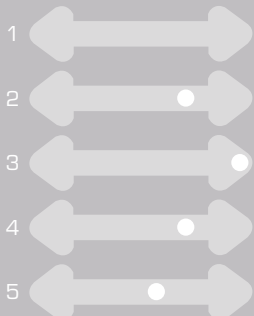
Stepping Arrow Left



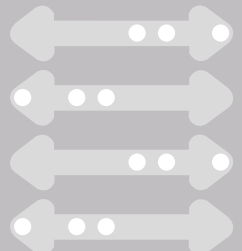
Stepping Arrow Right



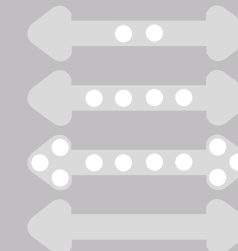
Caution Mode 1 Chasing

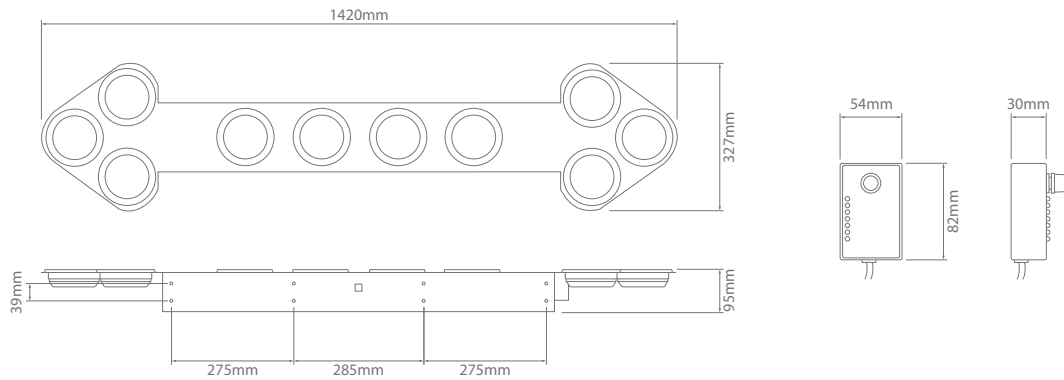


Caution Mode 2 Wig Wag



Stepping Arrow Centre Out





AE850 Arrow Boards

Voltage	Current Draw (A)	10m Harness	12m Harness	15m Harness
12V	5	AE850-LED	AE850-LED/12M	AE850-LED/15M
24V	2.5	AE850-LED/24V	AE850-LED/24V/12M	AE850-LED/24V/15M

Supplied with controller and harness.



AE850/C



S11263A-2



P5027

AE850 Spare Parts

Part No.	Description
AE850/C	Controller
S11263A-2	LED insert. 12V
P5027	Reducer. 24V-12V. 10A continuous



Traffic Direction

M5 Matrix Display



- Touch screen controller.
- Simple and easy to operate user interface.
- 2GB Micro SD card message storage.
- Up to 99 messages.
- PC software to create/edit messages.
- Easily readable from 100m.
- Auto text rotation when mounted upside-down.
- ECE R10 & C-Tick approved.
- Protected against reverse-polarity, supply transients and thermal overload.
- Multi-voltage.
- Park, ignition and remote switching inputs.
- Environmentally sealed – IP67 (display only).

Operational Voltage : 10–30V
 Max. Current Draw : 2.6A @ 13.6V
 Weight : 2.2kg
 Light Source : 8 x 36 (288) LEDs
 Controller Harness Length : 0.6m
 Controller Extension Harness Length : 2.5m
 Display Harness Length : 5m
 Touch Screen : Resistive
 Approvals : ECE R10 (display only), C-Tick No. N19830
 Ingress Protection : (display only) IP67
 Operating Temperature : -20°C to 65°C

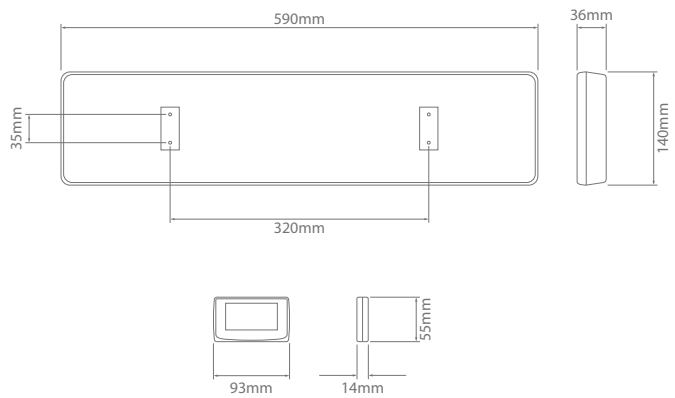


Resistive touch screen functionality

Traffic Direction



Double Sided Setup
 When configured as double-sided, messages using arrows automatically reverse on the slave display, thereby assuring both displays are pointing in the same direction.



M5 Matrix Display

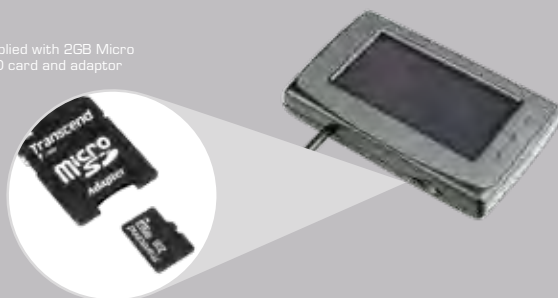
Master Slave
CD0012R **CD0012R-S1**

CD0012R-S1 slave version not supplied with controller.

Programming Software

Simple user friendly PC software supplied on micro SD card. Using the M5 Message Editor software you can easily create/edit up to 99 custom messages and upload to the memory card.

Supplied with 2GB Micro SD card and adaptor



Traffic Direction

IONNIC Message Alert System

NEW



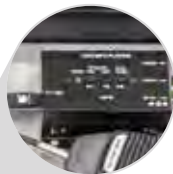
- Designed and manufactured in Australia.
- Mobile all-in-one message display, PA and LED visual alert system.
- Forward and rear facing LED Displays with up to 99 customisable messages.
- Siren/PA, touch screen message controller and Micro-Bar controls all contained in sealed heavy duty briefcase.
- MP3 player with USB input for custom PA message alerts.
- Dual battery enclosures (batteries not included).

Built to order. Lead times apply.

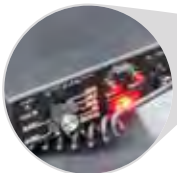


Voltage : 12V
 Frame : Powder Coated Aluminium
 Control Box Harness Length : 4m

MP3 player with USB input



100W Siren Amplifier & PA



Resistive touch screen functionality

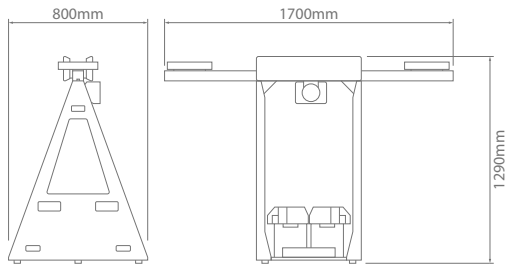


Forward & rear facing LED Displays

2 x IONNIC LED Micro-Bars



Traffic Direction



IONNIC Message Alert System NEW

Part No.

MB-1

Notes

Batteries & charger not included. Built to order, lead times apply

Setup & Utilisation Video

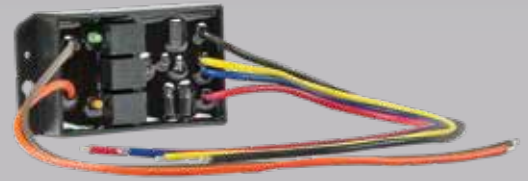


To see a video showing the quick setup and use of the IONNIC Message Alert System visit www.ionnic.com





SCHOOL





DL BUS



Warning Lamps

Bus Warning Light Kits 110

Headlights On Units 113

Headlight Flasher 114

Warning Lamps

Bus Warning Light Kits



SCHOOL BUS



- Designed and manufactured in Australia.
- Certified to comply with state transport operation regulations.
- Automatically activates when door opens and continues for 20-30 seconds after doors have closed.
- Microprocessor controlled with up to 4 outputs.
- 12V and 24V versions available.

Approvals : Complies to state transport regulations
Warning Light Halogen Bulb : 35W Bi-pin
Lens : Polycarbonate



WHEN LIGHTS FLASH

SCHOOL BUS

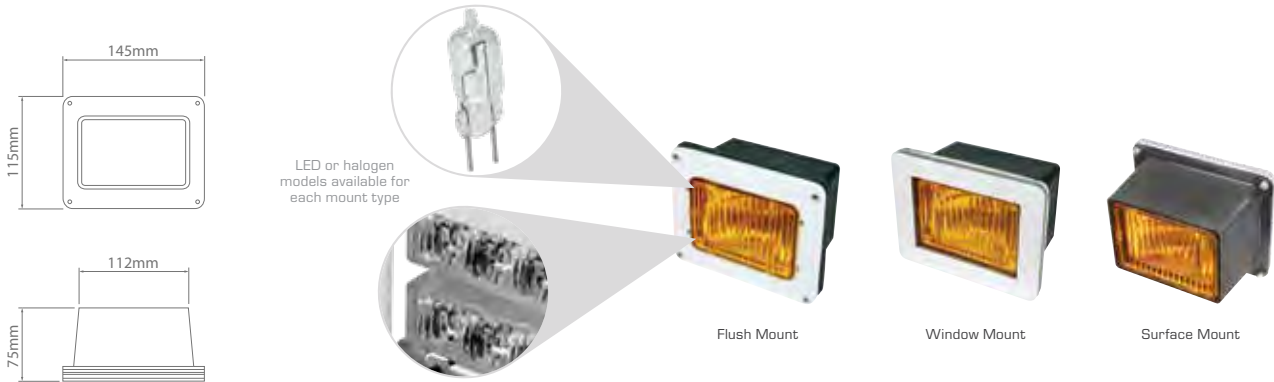


Bus Warning Light Kit – NSW

Part No.	Voltage	Description
882-922	12	Warning Kit – complete
882-922-24	24	Warning Kit – complete

- Kits Contain :**
- 1 x Toggle Switch
 - 1 x Headlight Harness
 - 1 x Pilot Lamp
 - 4 x Lamps to suit voltage
 - 1 x Solid State Flasher Unit
 - 1 x Magnetic Reed switch for door sensor
 - 1 x Switch Harness
 - 1 x Lamp Harness 20m
 - 1 x Decal – "40km/h" – 440 x 440mm
 - 1 x Decal – "WHEN LIGHTS FLASH" 900 x 80mm
 - 1 x Decal – "SCHOOL BUS" – 900 x 150mm

Warning Lamps



Bus Warning Lights

Halogen	LED NEW	Voltage	Mount
823-001A	830-100A	12	Flush
823-002A	830-101A	24	Flush
823-003A	830-102A	12	Surface
823-004A	830-103A	24	Surface
823-005A	830-104A	12	Window
823-006A	830-105A	24	Window

Suitable for use in all states except NSW.
NSW warning lamps supplied with kit.



Bus Warning Light Kit – QLD & VIC

Part No.	Voltage	Description
882-923	12	Warning Kit – lamps not included
882-923-24	24	Warning Kit – lamps not included

- Kits Contain :
- 1 x Toggle Switch
 - 1 x Pilot Lamp
 - 1 x Solid State Flasher Unit
 - 1 x Magnetic Reed switch for door sensor
 - 1 x Switch Harness
 - 1 x 20m Lamp Harness
 - 1 x Decal – "Children Walking" – 400 x 305mm
 - 1 x Decal – "SCHOOL BUS" – 900 x 150mm



Warning Lamps



430-003



TB403E



62026BL, 62030BL



882-002



886-012, 886-013



882-902



882-906



882-909



882-911

WHEN LIGHTS FLASH

882-913

SCHOOL BUS

882-914



896-240



899-911, 899-912

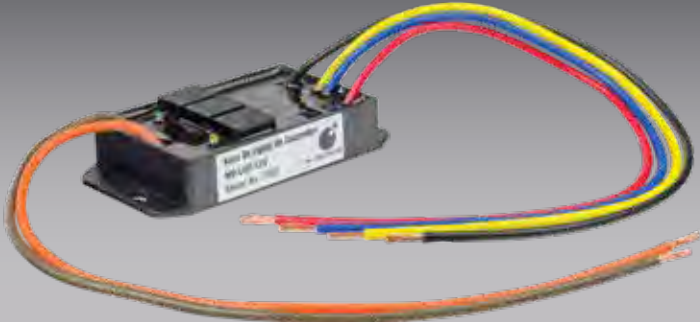
Bus Warning Light Kit Spare Parts

Part No.	Description	State
430-003	Rectangular Light Gasket	QLD, VIC, SA
TB403E	Toggle Switch	All
62026BL	Pilot Lamp – 12V	All
62030BL	Pilot Lamp – 24V	All
882-002	Flasher Unit – 12-24V	QLD, VIC, SA
886-012	Flasher Unit – 12V	NSW
886-013	Flasher Unit – 24V	NSW
882-902	Switch Harness	All
882-906	Magnetic Reed Switch	All
882-909	Decal – “Children Walking”	QLD, VIC
882-911	Decal – “40km/h”	NSW
882-913	Decal – “WHEN LIGHTS FLASH”	NSW
882-914	Decal – “SCHOOL BUS”	All
896-240	NSW Lamp (without bulb)	NSW
899-911	12V 35W Halogen Bi-pin Bulb	QLD, VIC, SA
899-912	24V 35W Halogen Bi-pin Bulb	QLD, VIC, SA

Warning Lamps

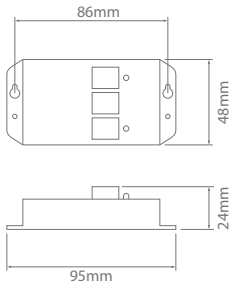
Headlights On Units

- Can be adapted to any vehicle.
- Designed to operate park & low beam lights any time vehicle ignition is on.
- Can be wired to disable control unit eg. hand brake switch, door switch.
- 10 second start up delay.
- Compact, easy installation.
- Diagnostic LEDs.
- Available in positively and negatively switching models.
- Epoxy encapsulated for enhanced moisture and vibration protection.
- 2 year warranty.

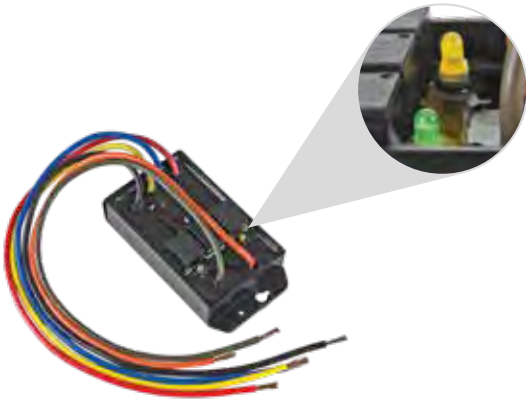


Voltage : 12V
Body : ABS
Cable Length : 200mm
Operating Temp : 0°C to 85°C

2Yrs



Diagnostic LEDs



Headlights On Units

Part No.	Suits
MS-LOR-12V	Negatively switched headlights
MS-LOP-12V	Positively switched headlights

Installation on late model multiplexed vehicles must be performed by a qualified technician.



Warning Lamps

Headlight Flasher

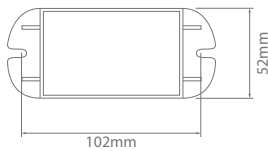


12V
24V

IP67

- Hermetically sealed construction.
- Solid state electronics.
- Low voltage/reverse polarity protection.
- Microprocessor control.
- Environmentally sealed – IP67.
- Highly durable to withstand harsh conditions.
- High beam override – Flashing stops when high beam engaged.
- 7 flash patterns.

Operational Voltage : 12–24V
Outputs : 2
Flash Patterns : 7
Max. Output : 9.5A
Switching : Positive
Ingress Protection : IP67
Housing : ABS



Selectable Flash Patterns

Pattern	Description	Flashes Per Second
1	Slow Alternating	1.9
2	Fast Alternating	3.0
3	Fast Simultaneous	3.6
4	Cycling	1.9 to 3.0
5	Fast Double Flash	3.0
6	Cycling through 3 double alternating and 2 simultaneous	1.9 to 3.0
7	Slow Alternating	0.9

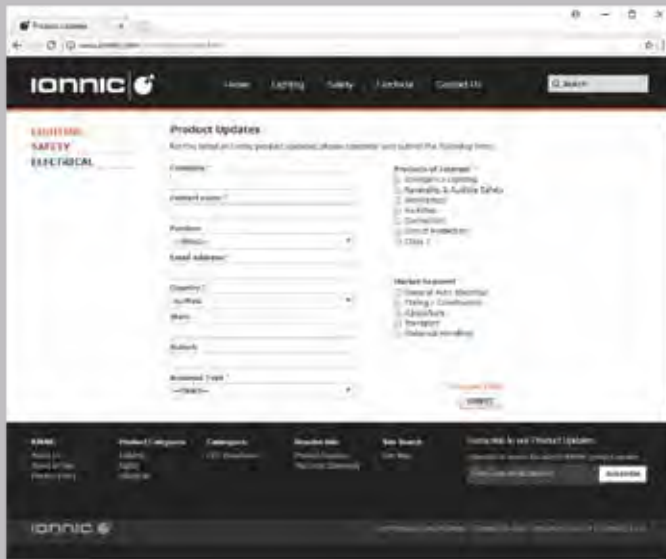
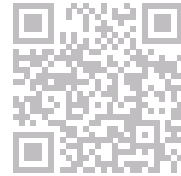
Headlight Flasher

Part No.
S52000

Updates

Receive the latest ionnic news and updates via email, sign up at www.ionnic.com/product-updates.html

ionnic.com



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General Information

EL 2018 Version 7.1 – 08/2018

This reference manual supersedes all previous editions.

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Disassembly or modification of products may void warranty.

Warranty claims may only be returned by prior arrangement.

For a full statement outlining our warranty visit www.ionnic.com/warranty-statement

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