

EL2024

EL 2024

# Emergency Lighting

ionnic | 

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 EL2024

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- 10 IONNIC 103 LED
- 12 IONNIC 106 LED - 3 Bolt
- 16 IONNIC 113 LED Micro
- 24 Sockets & Mounts
- 25 Bull Bar Mounting Brackets



## **NEW** in LED Lighting

- 28 Superslim - 6 LED (1x6)
- 34 LED Warning Bar
- 39 Bus Warning Lights



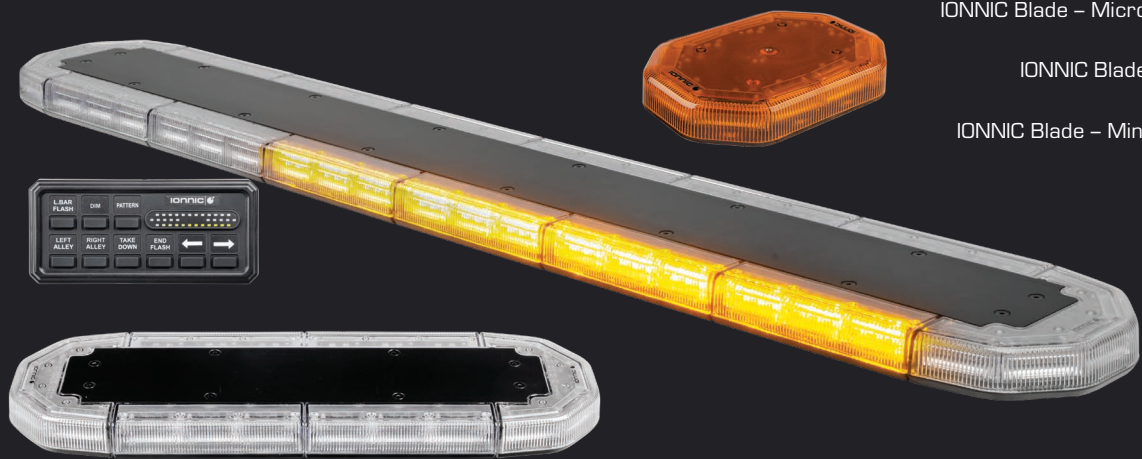
## **NEW** in Safety Lights

- 42 793 Safety Light
- 43 529 Safety Light



# What's new in EL2024

## **NEW** in Lightbars



IONNIC Blade - Micro

48

IONNIC Blade

56

IONNIC Blade - Mini

59

## **NEW** in Minebars



Minebars -  
1275mm - Specials

68

ROPS Bar

69

## **NEW** in Traffic Direction



Variable Message Signs

82

IONNIC Traffic Master

90

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# Beacons



# Beacons

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IONNIC 103 LED 10



IONNIC 106 LED 12



Rotating LED 14



IONNIC 101 LED 15



IONNIC 113 LED Micro 16



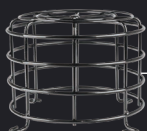
Midi Vision 18



500 Series 20



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ionnic | 

103 & 106  
Series Beacons







# Beacons

IONNIC 103 LED



103010



103800C

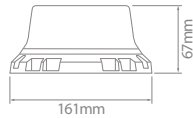
12V  
24V

IP67

5Yrs

- Dual colour models available.
- SAE class 1 rated output on select models.
- 11 flash patterns.
- Vibration resistance rated to SAE J575.
- New rugged base design with increased surface area provides improved heat dissipation.
- 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.

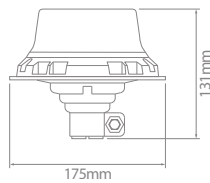
Voltage : 12–24V  
 Current Draw : 3.2A @ 12V  
 Flash Patterns : 11  
 Lens : Polycarbonate  
 Base : Aluminium  
 Approvals : SAE J845 Class 1 (Amber)  
 ECE R10, ECE R65 (Amber, Blue & Dual Colour)  
 Vibration Resistance : SAE J575  
 Ingress Protection : IP67  
 Operating Temperature : -30°C to 50°C  
 Light Source : 18 x 3W LED



## IONNIC 103 LED – 3 Bolt

	Amber	Blue	Green	Red
Coloured Base	103000-A <span style="color: red;">NEW</span>	–	–	–
Coloured Lens	103000	–	–	–
Clear Lens	103000C	103200C	103300C	103400C

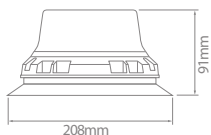
Supplied with 3 x M6 bolts, nuts, shake-proof washers & base gasket.  
 Mounting: 3 x Ø 7mm holes @ 151mm PCD.  
 Cable Length – 700mm.



## IONNIC 103 LED – Pole Mount

	Amber	Blue	Green	Red
Coloured Lens	103002	–	–	–
Clear Lens	Available upon request	Available upon request	Available upon request	Available upon request

DIN plug outlet. For mounting options see page 23.



## IONNIC 103 LED – Magnetic

	Amber	Blue	Green	Red
Coloured Lens	103010	–	–	–
Clear Lens	Available upon request	Available upon request	Available upon request	Available upon request

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

## Dual Colour Beacons – 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 11 flash patterns to choose from.

Dual Colour Mode is restricted to 5 flash patterns.



Colour 1 Mode  
11 Flash Patterns



Colour 2 Mode  
11 Flash Patterns



Dual Colour Mode  
5 Flash Patterns



Clear  
Lens

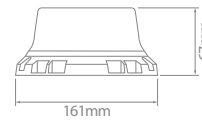
## IONNIC 103 LED – 3 Bolt – Dual Colour

Amber/Blue  
**103800C**

Amber/Green  
**103S00C**

Red/Blue  
**103700C**

Supplied with 3 x M6 bolts, nuts, shake-proof washers & base gasket.  
Mounting: 3 x Ø 7mm holes @ 151mm PCD.  
Cable Length – 700mm.



## Magnetic Mounting Kit



On/off and  
pattern select



Vacuum Magnetic  
Mounting Kit available,  
see page 25 for details

A600VMK



# Beacons

## IONNIC 106 LED



106000

- 12V 24V
- IP67
- 5Yrs

- Latest design lens optics provide stronger & brighter output.
- SAE class 1 rated output on select models.
- 11 flash patterns.
- Vibration resistance rated to SAE J575.
- New rugged base design with increased surface area providing improved heat dissipation.
- 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 :	11
Lens :	Polycarbonate
Base :	Aluminium
Vibration :	SAE J575
Approvals :	SAE J845 Class 1 (Amber) ECE R10, ECE R65 (Amber & Blue)
Vibration Resistance :	SAE J575
Ingress Protection :	IP67
Operating Temperature :	-30°C to 50°C
Light Source :	18 x 3W LED

On/off and pattern select



106010

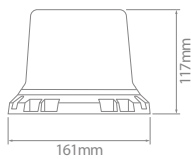


Off

Clear lens with coloured LED illumination



On



### IONNIC 106 LED – 3 Bolt

	Amber	Blue	Green	Red
Coloured Base	106000-A <span style="color:red">NEW</span>	—	—	—
Coloured Lens	106000	—	—	—
Clear Lens	—	106200C	106300C	106400C

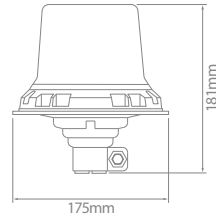
Supplied with 3 x M6 bolts, nuts, shake-proof washers & base gasket.  
Mounting: 3 x Ø 7mm holes @ 151mm PCD.  
Cable Length – 230mm.



## IONNIC 106 LED – Pole Mount

Coloured Lens	<b>Amber</b> 106002	Blue —	Green —	Red —
Clear Lens	—	Available upon request	Available upon request	Available upon request

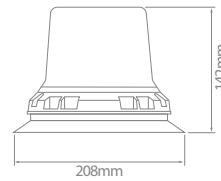
DIN plug outlet. For mounting options see page 23.



## IONNIC 106 LED – Magnetic

Coloured Lens	<b>Amber</b> 106010	Blue —	Green —	Red —
Clear Lens	—	Available upon request	Available upon request	Available upon request

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



## IONNIC 106 & 103 Series LED Beacon Flash Patterns

The IONNIC 106 & 103 Series LED 3 Bolt beacons have the same 11 flash patterns and can be synchronised.

1 – Quad Burst



2 – Quad Flash



3 – Double Flash



4 – Single Flash



5 – Fast Flash



6 – Quad & Single Flash



7 – Slow Rotation



8 – Normal Rotation



9 – Fast Rotation



10 – Cycle Scan (Double, Single, Fast Flash)



11 – Steady On



Pattern 3  
Double Flash



Pattern 3  
Double Flash



Pattern 3  
Double Flash



Pattern 3  
Double Flash



# Beacons

## Rotating LED



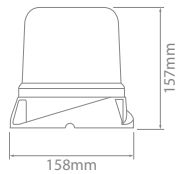
108000

12V  
24V

5Yrs

- 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.

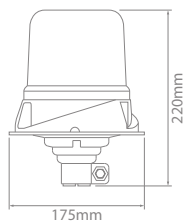
Voltage : 12-24V  
 Current Draw : 1.9A @ 12V  
 Wattage : 25.6W  
 Flash Rate : 120FPM  
 Lens : Polycarbonate  
 Base : Die-cast  
 Approvals : ECE65, SAE J845 Class 1  
 Operating Temperature : -30°C to 50°C  
 Light Source : 8 x 3W LED



### Rotating LED – 3 Bolt

Amber 107000      Blue 107200      Green 107300      Red 107400

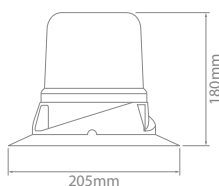
Supplied with 3 x M5 Bolts.  
 Mounting: 3 x Ø 5mm holes @ 151mm PCD.  
 Cable Length – 300mm.



### Rotating LED – Pole Mount

Amber 107002

Other colours available upon request, lead times apply.  
 DIN plug outlet. For mounting options see page 23.



### Rotating LED – Mag 60

Amber 108000

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

- 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.



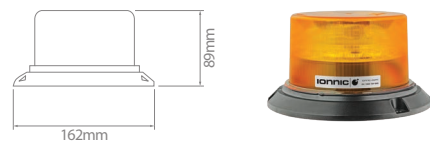
Voltage :	12–36V
Current Draw :	2.8A @ 12V
Flash Patterns :	5
Lens :	Polycarbonate
Base :	Aluminium
Approvals :	ECE R65, SAE J845 Class 1 (Amber)
Ingress Protection :	IP67
Operating Temperature :	-30°C to 50°C
Light Source :	12 x 3W LED



## IONNIC 101 LED – 3 Bolt

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

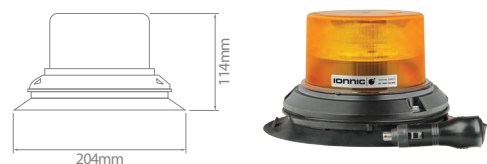
Supplied with 3 x M6 bolts, nuts, shake-proof washers & base gasket.  
 Mounting: 3 x Ø 7mm holes @ 151mm PCD.  
 Cable Length – 340mm.



## IONNIC 101 LED – Magnetic

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

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



# Beacons

IONNIC 113 LED Micro

**NEW**



9V  
30V IP67

- Magnetic version features cigar plug with integrated on/off & pattern select switches.
- Pole Mount version features pattern select button.
- Ultra-compact design.
- High output.
- ECE R65 approved.
- 7 flash patterns including rotating.
- Polycarbonate lens for high durability.
- Breather filter technology to prevent ingress.
- 3 Bolt versions can be synchronised.
- Low current draw.
- Multi-voltage.
- Environmentally sealed – IP67.

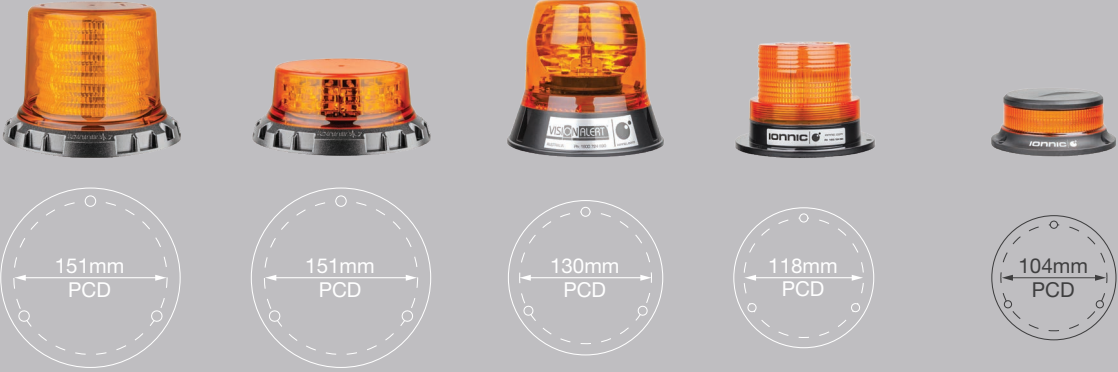
Voltage :	9–30V
Current Draw :	1.7A @ 12V
Flash Patterns :	7
Lens :	Polycarbonate
Base :	Aluminium
Approvals :	ECE R10, ECE R65
Ingress Protection :	IP67
Operating Temperature :	-30°C to 60°C
Light Source :	18 x 1.5W LED



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

Pattern select button

## When Size Matters



IONNIC 106 LED PCD – Ø 151mm    IONNIC 103 LED PCD – Ø 151mm    Midi Vision PCD – Ø 130mm    IONNIC Mini Xenon PCD – Ø 118mm    IONNIC 113 LED Micro PCD – Ø 104mm

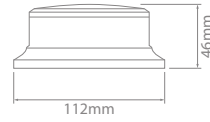


## IONNIC 113 LED Micro – 3 Bolt NEW

Amber

**113000**

Supplied with 3 x M5 bolts, nuts, shake-proof washers & base gasket.  
Mounting: 3 x Ø 5mm holes @ 104mm PCD.  
Cable Length – 350mm.

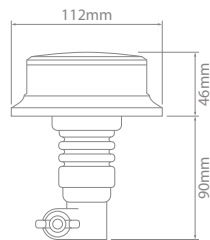


## IONNIC 113 LED Micro – Pole Mount NEW

Amber

**113002**

Flexible DIN plug outlet. For mounting options see page 23.

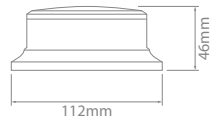


## IONNIC 113 LED Micro – Magnetic NEW

Amber

**113001**

3.5m lead to cigar plug with on/off and pattern select switches.  
**Not designed for highway use.**



# Beacons

Midi Vision

400001



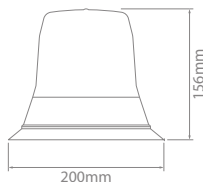
- Free-form optics generate greater & more focused light output
- Whisper quiet rotators, running on stainless steel/acetal bearings.
- Polycarbonate lens provides high durability against harsh conditions.
- Multiple mounting configurations.
- Twist lock polycarbonate lens provides easy field maintenance.
- 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



## 400 Series – Mag 70

	Amber	Red
Less Bulb	<b>400000</b>	<b>400400</b>
12V	<b>400001</b>	<b>400401</b>
24V	<b>400002</b>	<b>400402</b>

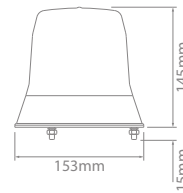
2.6m lead to cigar plug. Fits standard cigar/DIN socket.



## 403 Series – 3 Bolt

	Amber	Red
Less Bulb	<b>403000</b>	<b>403400</b>
12V	<b>403001</b>	<b>403401</b>
24V	<b>403002</b>	<b>403402</b>

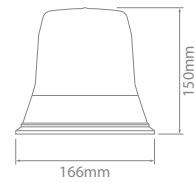
Supplied with 3 x M6 bolts, nuts, shake-proof washers.  
Mounting: 3 x Ø 7mm holes @ 130mm PCD.  
Cable Length – 300mm.



## 407 Series – Mag 50

	Amber	Red
Less Bulb	<b>407000</b>	<b>407400</b>
12V	<b>407001</b>	<b>407401</b>
24V	<b>407002</b>	<b>407402</b>

2.6m lead to cigar plug. Fits standard cigar/DIN socket.



## Midi Vision Lens

Part No.	Colour
<b>910320</b>	<b>Amber</b>
<b>910324</b>	<b>Red</b>



## Midi Vision Spares

Part No.	Description
<b>999554</b>	Rotator Module
<b>910336</b>	Reflector only
<b>945034</b>	Drive Belt
<b>920004</b>	Bulb Clip
<b>64150</b>	H1 Bulb – 12V, 55W
<b>64155</b>	H1 Bulb – 24V, 70W



# Beacons

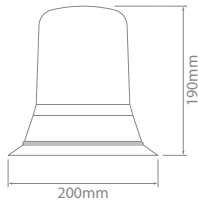
500 Series



503001

- Free-form optics generate greater & more focused light output
- Whisper quiet rotators, running on stainless steel/acetal bearings.
- Twist lock acrylic lens provides easy field maintenance.
- Magnetic models feature 2600mm retractable coil with cigar plug.
- Dual voltage motor.

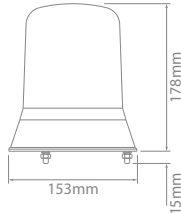
Current Draw :	4.6A @ 12V	3A @ 24V
Max. Wattage :	55W @ 12V	70W @ 24V
Flash Rate :		160FPM
Lens :		Acrylic
Base :		ABS
Light Source :		H1 Halogen Bulb



## 500 Series – Mag 70

Less Bulb	12V	24V
Amber	<b>500000</b>	<b>500001</b> <b>500002</b>

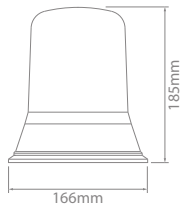
2.6m lead to cigar plug. Fits standard cigar/DIN socket.



## 503 Series – 3 Bolt

Less Bulb	12V	24V
Amber	<b>503000</b>	<b>503001</b> <b>503002</b>

Supplied with 3 x M6 bolts, nuts, shake-proof washers.  
Mounting: 3 x Ø 7mm holes @ 130mm PCD.  
Cable Length – 300mm.



## 507 Series – Mag 50

Less Bulb	12V	24V
Amber	<b>507000</b>	<b>507001</b> <b>507002</b>

2.6m lead to cigar plug. Fits standard cigar/DIN socket.

### 500 Series Lens

Part No.	Colour
<b>910023</b>	<b>Amber</b>



### 500 Series Spares

Part No.	Description
<b>999555</b>	Rotator Module
<b>945034</b>	Drive Belt
<b>920004</b>	Bulb Clip
<b>64150</b>	H1 Bulb – 12V, 55W
<b>64155</b>	H1 Bulb – 24V, 70W

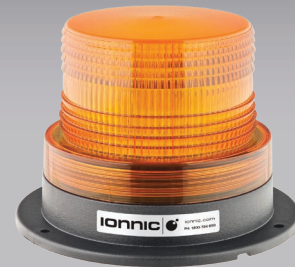


- Ideal for forklift applications.
- Available in high or low profiles.
- High profile model features an epoxy-encapsulated base.
- Low current draw.
- Multi-voltage.

Voltage :	12-80V
Current Draw :	0.29A @ 12V
Flash Pattern :	Single Flash
Flash Rate :	3 Bolt     36FPM
	2 Bolt     72FPM
Output :	2 Joules
Lens :	Polycarbonate
Base :	ABS
Cable Length :	300mm
Light Source :	Xenon Tube

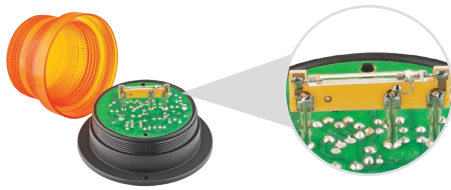


6220A-2



6400A-1

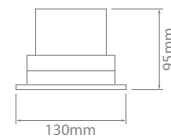
12V  
80V



## IONNIC Mini Xenon – 3 Bolt

Amber	Green	Red	White
<b>6400A-1</b>	<b>6400G-1</b>	<b>6400R-1</b>	<b>6400C-1</b>

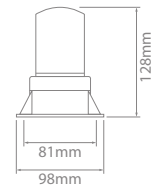
Supplied with 3 x M5 bolts, nuts, shake-proof washers.  
Mounting: 3 x Ø 5mm holes @ 118mm PCD.



## IONNIC Mini Xenon – 2 Bolt

Amber	Blue	Green	Red
<b>6220A-2</b>	<b>6220B-2</b>	<b>6220G-2</b>	<b>6220R-2</b>

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



## IONNIC Mini Xenon Lens – 3 Bolt

Part No.	Colour
<b>910065</b>	Amber
<b>910067</b>	Green
<b>910068</b>	Red



## IONNIC Mini Xenon Lens – 2 Bolt

Part No.	Colour
<b>910085</b>	Amber
<b>910086</b>	Blue
<b>910087</b>	Green
<b>910088</b>	Red



# Beacon Accessories



## DIN/Cigar Sockets

Part No.	Current Rating (A)	Type	Voltage	Cap Style	Terminal Style	Housing	Mounting Ø (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



1334001



1334004



1334005

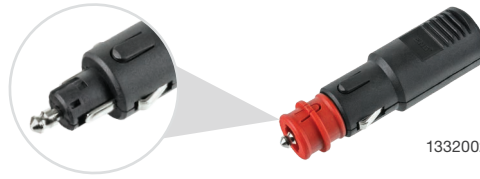
## Adaptors & Extension Cables

Part No.	Description	Current Rating (A)	Cable (cm)	Housing
1334001	Cigar/DIN plug to cigar socket. 6–24V	2 x 5	20	Thermoplastic
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	Current Rating (A)
1336010	2 Pin. Stainless Steel	12 – 24	20



1335001



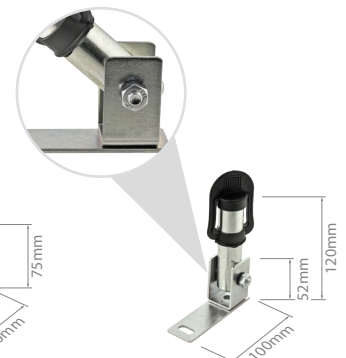
1335002



1335003



1335004



1335005

## Pole Mounts with integral DIN socket

Part No.	Mount Style
1335001	Bolt down – 2 bolt
1335002	Weld
1335003	Threaded
1335004	Side mount – 2 bolt
1335005	Bolt down – 2 bolt



# Beacon Accessories



Coloured illumination.  
Real-time voltage  
status display.  
On/off switch



## Sockets & Mounts

Part No.	Description	Voltage	Output
1336000	Volt Meter. Displays 6–29.9V	12–24	—
1336001	Socket – Power (cigar)	12–24	16A
1336002	Socket – Engel	12–24	15A
1336003	Socket – 5V Twin USB	12–24	2 x 2.1A
1336004 <span style="color: red; font-weight: bold;">NEW</span>	Socket – 5V Twin USB with Volt Meter	12–24	2 x 3A
1336005 <span style="color: red; font-weight: bold;">NEW</span>	Socket – USB Type C & USB Type A	12–24	2 x 1.5A

1336M01	Surface Mount – Single
1336M02	Surface Mount – Double
1336M03	Surface Mount – Triple
1336M05	Panel Mount – Double
1336M06	Panel Mount – Single

SB50-FM-1ACC <span style="color: red; font-weight: bold;">NEW</span>	Flange mount bracket, 1 x 30mm accessory cutout. Suits 50A High Current Connectors
SB50-FM-2ACC <span style="color: red; font-weight: bold;">NEW</span>	Flange mount bracket, 2 x 30mm accessory cutouts. Suits 50A High Current Connectors

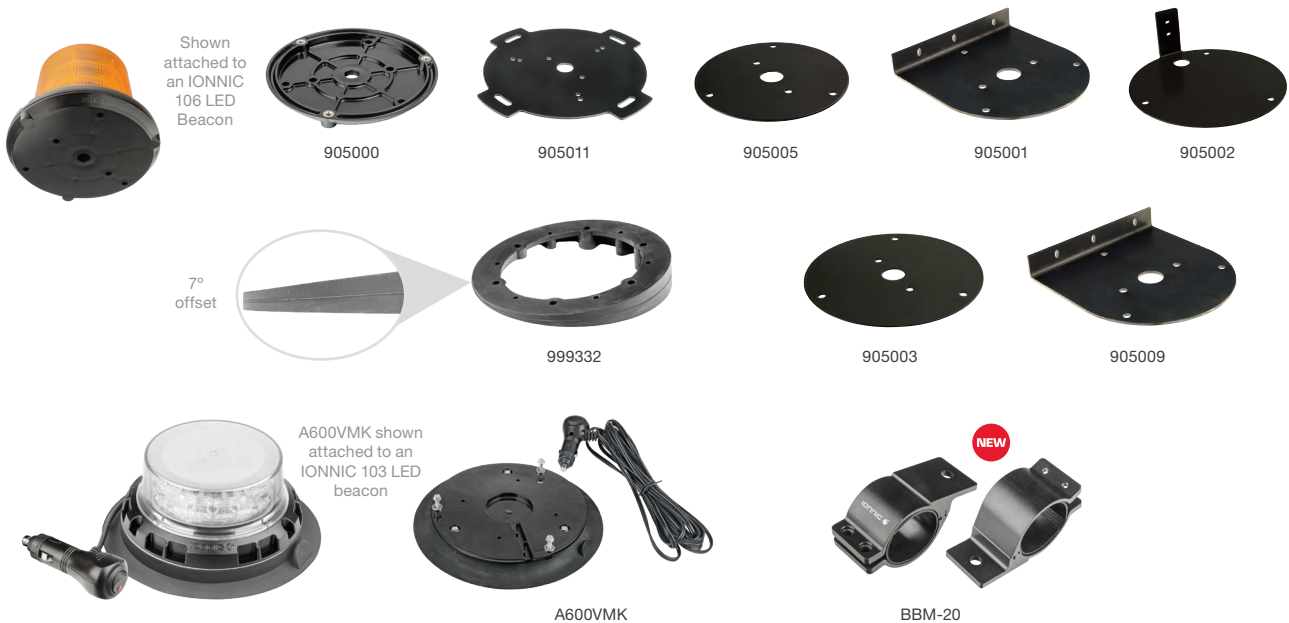


# Beacon Accessories



## Protective Grilles

Part No.	Description	Maximum Height (mm)	Maximum Inside Ø (mm)	PCD (mm)
<b>GRL</b>	Standard-duty	105	170	214
<b>GR</b>	Standard-duty	185	170	214
<b>GRL-HD</b>	Heavy-duty – 5mm cage	105	180	227
<b>GR-HD</b>	Heavy-duty – 5mm cage	185	180	227



## Mounting Plates for 3 Bolt Beacons & Bull Bar Mounting Brackets

Part No.	Mounting	Description	PCD (mm)
<b>905000</b>	Flat surface	Beacon adaptor plate. Converts 151mm PCD to 130mm PCD	130
<b>905011</b>	Flat surface	Universal mounting plate suiting HD protective grilles	130 & 151
<b>905005</b>	Flat surface	Suits Midi Vision, 500 Series	130
<b>905001</b>	90°	Suits Midi Vision, 500 Series	130
<b>905002</b>	90°	Suits Midi Vision, 500 Series	130
<b>999332</b>	Flat surface	Rubber mounting gasket – 7° offset. Includes 3 x nuts, washers & bolts	130
<b>905003</b>	Flat surface	Suits IONNIC 101, 103, 106 LED and Rotating LED beacons	151
<b>905009</b>	90°	Suits IONNIC 101, 103, 106 LED and Rotating LED beacons	151
<b>A600VMK</b>	Flat surface	Vacuum magnetic base and 4.6m lead to cigar plug with integrated on/off switch. Suits IONNIC 101, 103, 106 LED and Rotating LED beacons	151
<b>BBM-20</b> <b>NEW</b>		Bull bar mounting brackets. 2 per pack. Includes mounting hardware. Suits Ø 50mm bar	
<b>BBM-25</b> <b>NEW</b>		Bull bar mounting brackets. 2 per pack. Includes mounting hardware. Suits Ø 64mm bar	
<b>BBM-30</b> <b>NEW</b>		Bull bar mounting brackets. 2 per pack. Includes mounting hardware. Suits Ø 76mm bar	



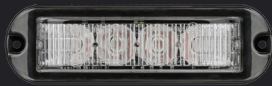
# LED Lighting



# LED Lighting



Superslim 28



Maxiview 30



Slimline 32



LED Warning Bar 34



Covert Series 36



LED Hide-A-Way 37



Bus Warning Light Kits 38

# LED Lighting

Superslim

OS-KLSLED33B-BB



OS-KLSLED04B-RR

12V  
24V

IP67

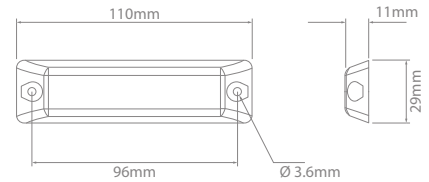
5Yrs

- Ultra-bright 3W LEDs.
- 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  
 Flash Patterns : 22  
 Cable Length : 180mm  
 Approvals : ECE R10  
 Light Source : 3W LEDs  
 Ingress Protection : IP67



Covert applications – install without rubber gasket



## Superslim – 4 LED (1x4)

Amber

Blue

Green

Red

White

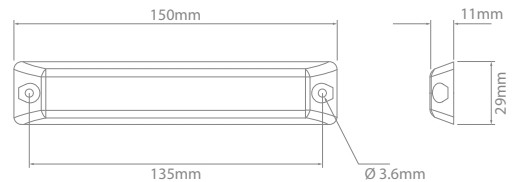
Red/Blue

OS-KLSLED04B-AA OS-KLSLED04B-BB OS-KLSLED04B-GG OS-KLSLED04B-RR OS-KLSLED04B-WW OS-KLSLED04B-RB

1.0A @ 12V



NEW



## Superslim – 6 LED (1x6) NEW

Amber

Blue

Green

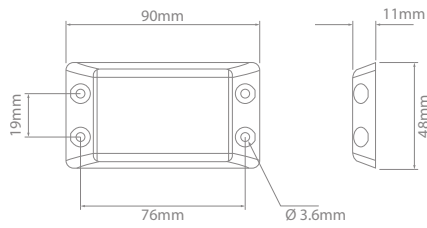
Red

White

Red/Blue

OS-KLSLED06B-AA OS-KLSLED06B-BB OS-KLSLED06B-GG OS-KLSLED06B-RR OS-KLSLED06B-WW OS-KLSLED06B-RB

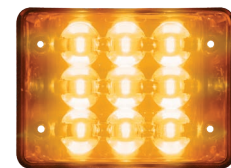
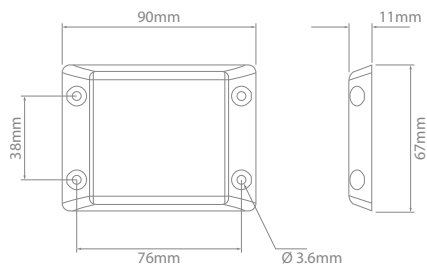
1.3A @ 12V



## Superslim – 6 LED (2x3)

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 (3x3)

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



OS-KLSLED04B-BKT



OS-KLSLED23B-BKT



OS-KLSLED33B-BKT

## Superslim – Mounting Brackets

4 LED (1x4)    6 LED (2x3)    9 LED (3x3)  
**OS-KLSLED04B-BKT**   **OS-KLSLED23B-BKT**   **OS-KLSLED33B-BKT**



# LED Lighting

Maxiview



OS-KRLED03B-M

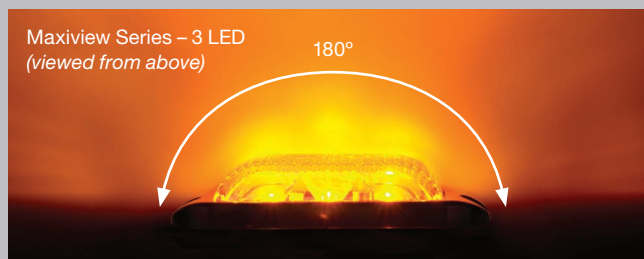
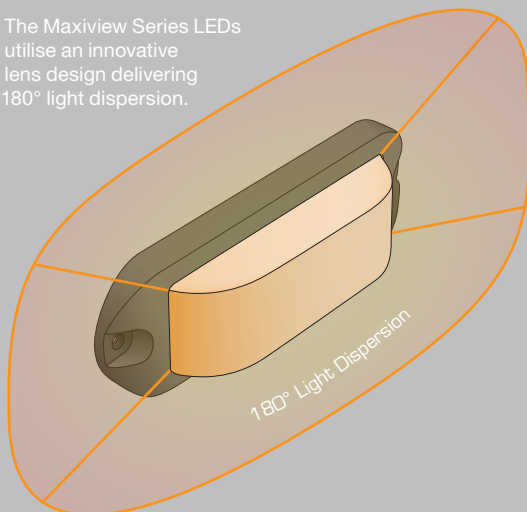


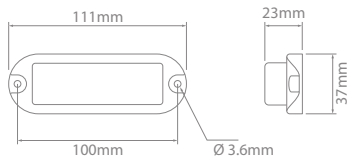
- Ultra-bright 3W LEDs.
- Optic design provides ultra-wide 180° light dispersion.
- Up to 25 flash patterns.
- Dimming function.
- Low current draw.
- Epoxy-encapsulated electronics for environmental & vibration protection.
- LEDs rated to 100,000 hours of operation.
- Can be synchronised.
- Multi-voltage.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

Voltage :	12–24V
Lens :	Polycarbonate
Cable Length :	180mm
Approvals :	ECE R10, SAE Class 1
Light Source :	3W LEDs
Ingress Protection :	IP67

## 180° Light Dispersion

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

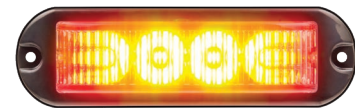
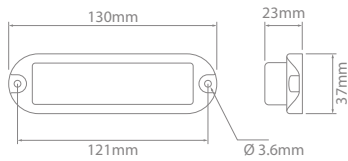




## Maxiview – 3 LED

- Amber  
**OS-KRLED03B-A**
- Blue  
**OS-KRLED03B-B**
- Green  
**OS-KRLED03B-G**
- Magenta  
**OS-KRLED03B-M**
- Red  
**OS-KRLED03B-R**
- White  
**OS-KRLED03B-W**

0.5A @ 12V.  
12 Flash Patterns.



## Maxiview – 4 LED

- Amber  
**OS-KRLED04B-AA**
- Blue  
**OS-KRLED04B-BB**
- Green  
**OS-KRLED04B-GG**
- Magenta  
**OS-KRLED04B-MM**
- Red  
**OS-KRLED04B-RR**
- White  
**OS-KRLED04B-WW**
- Red/Blue  
**OS-KRLED04B-RB**

1.0A @ 12V.  
25 Flash Patterns.



## Maxiview – Mounting Brackets

- 3 LED  
**OS-KRLED03B-BKT**
- 4 LED  
**OS-KRLED04B-BKT**



# LED Lighting

Slimline



OS-KSLED06B-WW

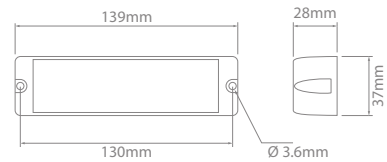


OS-KSLED24B-AA



- Ultra-bright 3W LEDs.
- 25 flash patterns.
- Dimming function.
- 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.

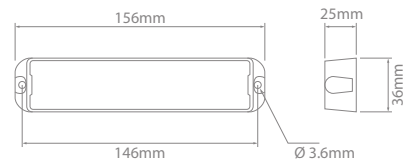
Voltage :	12–24V
Lens :	Polycarbonate
Flash Patterns :	25
Cable Length :	180mm
Approvals :	ECE R10, SAE Class 1
Light Source :	3W LEDs
Ingress Protection :	IP67



## Slimline – 4 LED (1x4)

Amber	Blue	Red	White	Red/Blue
<b>OS-KSLED04B-AA</b>	<b>OS-KSLED04B-BB</b>	<b>OS-KSLED04B-RR</b>	<b>OS-KSLED04B-WW</b>	<b>OS-KSLED04B-RB</b>

1.0A @ 12V.

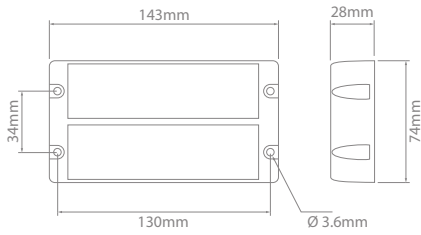


## Slimline – 6 LED (1x6)

Amber	Blue	Red	White	Red/Blue
<b>OS-KSLED06B-AA</b>	<b>OS-KSLED06B-BB</b>	<b>OS-KSLED06B-RR</b>	<b>OS-KSLED06B-WW</b>	<b>OS-KSLED06B-RB</b>

1.0A @ 12V.

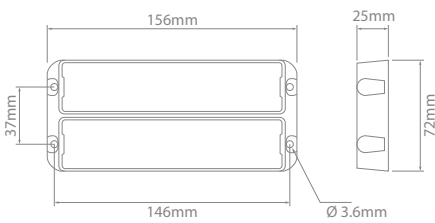




## Slimline – 8 LED (2x4)

- 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.



## Slimline – 12 LED (2x6)

- 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.



OS-KSLED04B-BKT



OS-KSLED06B-BKT

## Slimline – Mounting Brackets

- 4 LED (1x4)  
**OS-KSLED04B-BKT**
- 6 LED (1x6)  
**OS-KSLED06B-BKT**



# LED Lighting

## LED Warning Bar



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



Channel on rear of the bar can be used with bolts for mounting (bolts not supplied)



Supplied brackets allow for mounting on angled surfaces

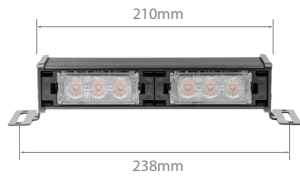


### Versatility

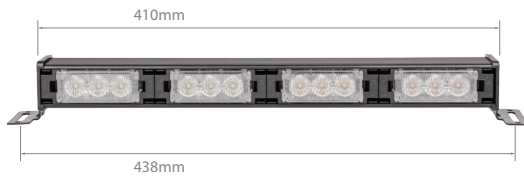
The robust aluminium housing and multiple mounting options allow the IONNIC LED Warning Bar to be used in many applications, inside or outside.



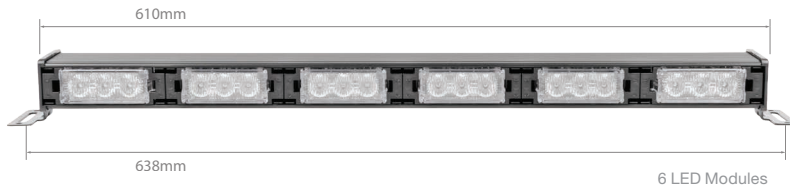
# LED Lighting



2 LED Modules



4 LED Modules



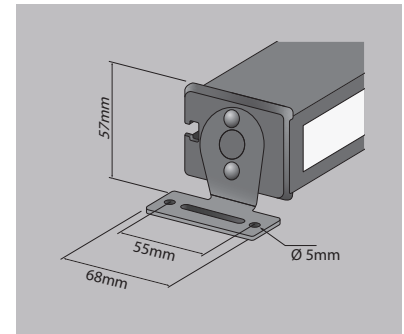
6 LED Modules



8 LED Modules



10 LED Modules



## LED Warning Bars – Single Colour

LED Modules	Current Draw @ 12V (A)	Flash Patterns	Amber	Blue	Green	Red	Magenta <span style="color:red">NEW</span>	White
2	0.7	17	<b>LSWLS-32A</b>	<b>LSWLS-32B</b>	<b>LSWLS-32G</b>	<b>LSWLS-32R</b>	<b>LSWLS-32M</b>	<b>LSWLS-32W</b>
4	1.4	26	<b>LSWLS-34A</b>	<b>LSWLS-34B</b>	<b>LSWLS-34G</b>	<b>LSWLS-34R</b>	—	<b>LSWLS-34W</b>
6	2.1	26	<b>LSWLS-36A</b>	<b>LSWLS-36B</b>	<b>LSWLS-36G</b>	<b>LSWLS-36R</b>	—	<b>LSWLS-36W</b>
8	2.8	26	<b>LSWLS-38A</b>	<b>LSWLS-38B</b>	<b>LSWLS-38G</b>	<b>LSWLS-38R</b>	<b>LSWLS-38M</b>	<b>LSWLS-38W</b>
10	3.5	26	<b>LSWLS-310A</b>	<b>LSWLS-310B</b>	<b>LSWLS-310G</b>	<b>LSWLS-310R</b>	<b>LSWLS-310M</b>	<b>LSWLS-310W</b>

## LED Warning Bars – Dual Colour

LED Modules	Current Draw @ 12V (A)	Flash Patterns	Amber/White <span style="color:red">NEW</span>	Amber/Green <span style="color:red">NEW</span>	Red/Blue
2	0.7	17	<b>LSWLS-32AW</b>	—	<b>LSWLS-32RB</b>
4	1.4	26	<b>LSWLS-34AW</b>	—	<b>LSWLS-34RB</b>
6	2.1	26	<b>LSWLS-36AW</b>	<b>LSWLS-36AG</b>	<b>LSWLS-36RB</b>
8	2.8	26	<b>LSWLS-38AW</b>	<b>LSWLS-38AG</b>	<b>LSWLS-38RB</b>
10	3.5	26	—	<b>LSWLS-310AG</b>	<b>LSWLS-310RB</b>



# LED Lighting

Covert Series

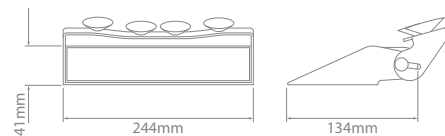
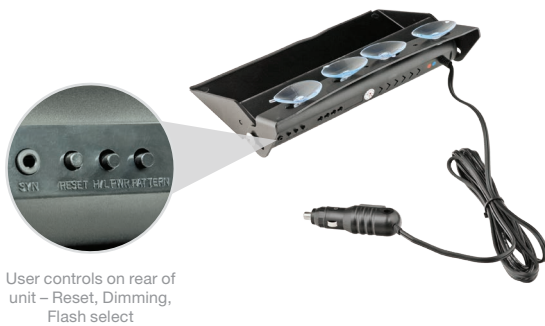


- Suction cups for quick and easy windscreen mounting.
- 30 flash patterns.
- Dimming function.
- User controls on rear of unit – Reset, Dimming, Flash select.
- 2.8mm lead to cigar plug.
- LEDs rated to 100,000 hours of operation.
- Permanent bolt down mounting option.
- Real-time flash pattern indicator.
- 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
Cable Length :	2.8m



## Covert Series – 8 LED

Amber  
**LSDL-42TEAA**

Amber/Red  
**LSDL-42TEAR**

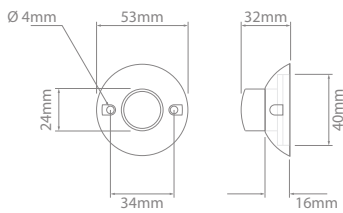
Amber/White  
**LSDL-42TEAW**

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.



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



## LED Hide-A-Way Kits

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.

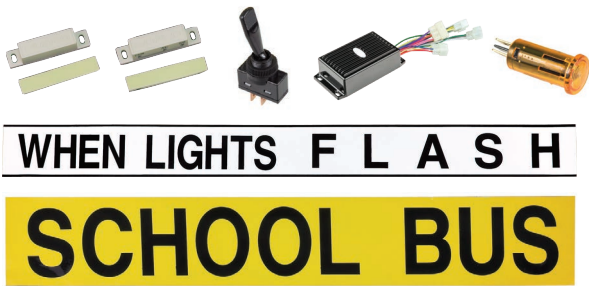
Kit Contents:  
2 x LED Lights  
1 x Controller  
2 x 3m Extension Cables





- 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.

## SCHOOL BUS



### Bus Warning Light Kits – NSW

12V                      24V  
**882-922/NLI**        **882-922-24/NLI**

Recommended for NSW bus installs.  
 For current state regulations visit [www.rms.nsw.gov.au](http://www.rms.nsw.gov.au)

- Kit Contents:
- 1 x Toggle Switch
  - 1 x Pilot Lamp
  - 1 x Solid State Flasher Unit
  - 1 x Magnetic Reed switch for door sensor
  - 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
  - Wiring Harnesses

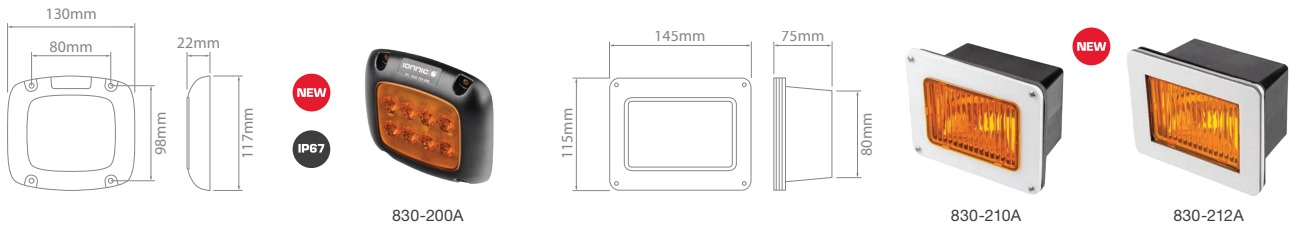


### Bus Warning Light Kits – QLD & VIC

12V                      24V  
**882-923**              **882-923-24**

Recommended for Queensland & Victorian bus installs.  
 For current state regulations visit [www.tmr.qld.gov.au](http://www.tmr.qld.gov.au) or [www.vicroads.vic.gov.au](http://www.vicroads.vic.gov.au)

- Kit Contents:
- 1 x Toggle Switch
  - 1 x Pilot Lamp
  - 1 x Solid State Flasher Unit
  - 1 x Magnetic Reed switch for door sensor
  - 1 x Decal – “Children Walking” – 400 x 305mm
  - 1 x Decal – “SCHOOL BUS” – 900 x 150mm
  - Wiring Harnesses



## Bus Warning Lights NEW

Part No.	Mount	Voltage	State
<b>830-200A</b>	Surface Mount	12-24	All
<b>830-210A</b>	Flush Mount	12-24	All
<b>830-212A</b>	Window	12-24	All

Flush Mount – Through mount (mounting hole required).  
Window Mount – Inside Mount (uses double-sided adhesive).

For your current regulatory requirements visit your state's road regulation website.



882-909



882-911



882-914

## Bus Warning Light Kits – Spare Parts

Part No.	Description	State
<b>430-003</b>	Rectangular Light Gasket	QLD, VIC, SA
<b>TB403E</b>	Toggle Switch	All
<b>62026BL</b>	Pilot Lamp – 12V	All
<b>62030BL</b>	Pilot Lamp – 24V	All
<b>882-002</b>	Flasher Unit – 12-24V	QLD, VIC, SA
<b>886-012</b>	Flasher Unit – 12V	NSW
<b>886-013</b>	Flasher Unit – 24V	NSW
<b>882-902</b>	Switch Harness	QLD, VIC
<b>882-906</b>	Magnetic Reed Switch	All
<b>882-909</b>	Decal – “Children Walking” – 400 x 305mm	QLD, VIC
<b>882-911</b>	Decal – “40km/h” – 440 x 440mm	NSW
<b>882-914</b>	Decal – “SCHOOL BUS” – 900 x 150mm	All

For your current regulatory requirements visit your state's road regulation website.



# Safety Lights

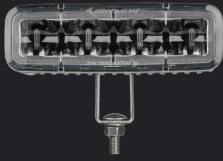
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# Safety Lights

---



793 Safety Light **42**



529 Safety Light **43**

# Safety Lights

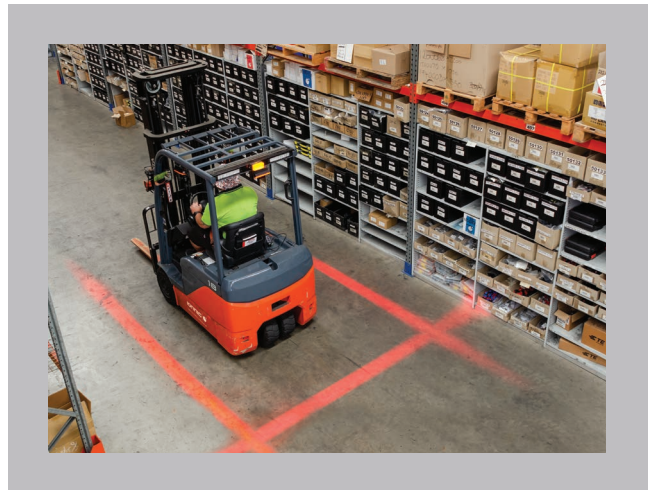
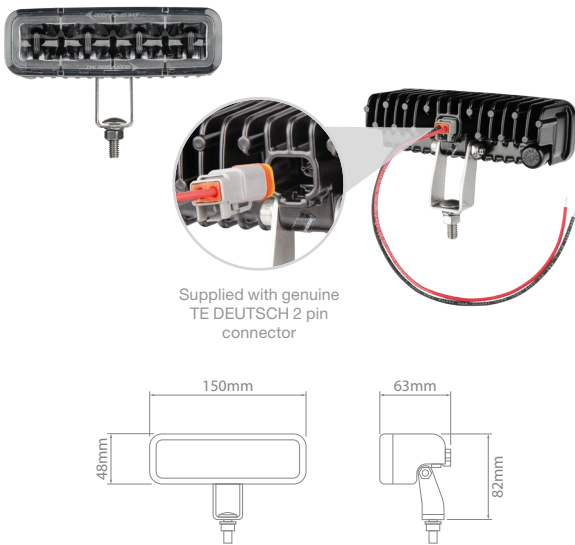
## 793 Safety Light



- High power LEDs.
- Compact design.
- Extensive Multi-voltage.
- Durable polycarbonate lens.
- Robust cast alloy body.
- Stainless steel mounting bracket.
- Can be steam & pressure cleaned.
- Environmentally sealed – IP67, IP69K.
- Incorporated breather filter protects against water and dust ingress.
- 5-year warranty.
- Made in North America.

IP67 IP69K 5Yrs Made in North America

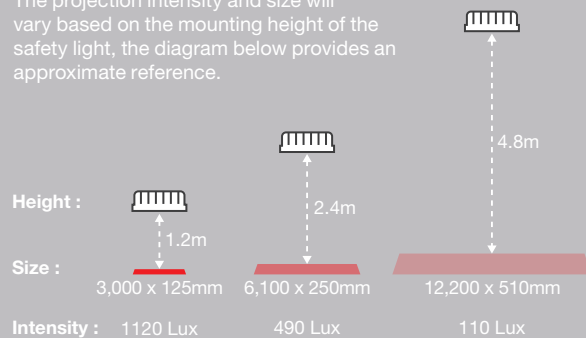
Connector : DT Style – 2 Pin  
 Mount : Single Bolt M8  
 Lens : Polycarbonate  
 Body : Aluminium  
 Bracket : Stainless Steel  
 Weight : 0.4kg  
 Ingress Protection : IP67, IP69K  
 Approvals : UL, ECE R10  
 Operating Temperature : -40°C to 65°C



### 793 Safety Light

Part No.	Operational Voltage	Colour	Current Draw
1603761	10–45	Red	1.6A @ 12V
1603871	48–110	Red	0.35A @ 48V

The projection intensity and size will vary based on the mounting height of the safety light, the diagram below provides an approximate reference.



# Safety Lights

## 529 Safety Light

- Constant or flashing modes.
- Multi-voltage.
- Durable polycarbonate lens.
- Robust cast alloy body.
- Stainless steel mounting bracket.
- Can be steam & pressure cleaned.
- Environmentally sealed – IP67, IP69K.
- Transient spike protected.
- Incorporated breather filter protects against water and dust ingress.
- 5-year warranty.
- Made in North America.

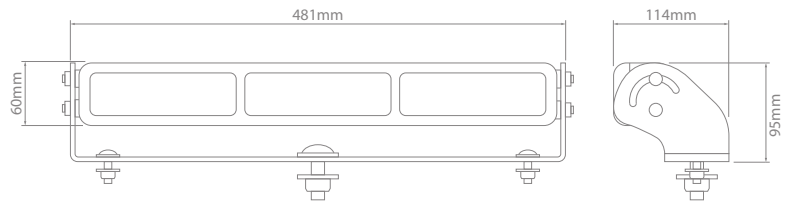
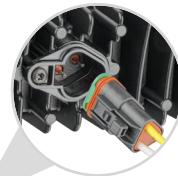


Operational Voltage : 9–33V  
 Current Draw : 3.7A @ 12V  
 Connector : DT Style – 3 Pin  
 Mount : 1 x M12, 2 x M8  
 Lens : Polycarbonate  
 Body : Aluminium  
 Bracket : Stainless Steel  
 Weight : 1.3kg  
 Ingress Protection : IP67, IP69K  
 Approvals : UL, ECE R10  
 Operating Temperature : -40°C to 65°C

9V 33V IP67 IP69K 5Yrs Made in North America



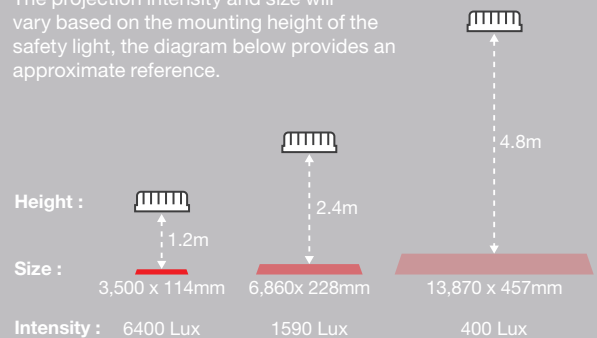
Supplied with genuine TE DEUTSCH 3 pin connector



### 529 Safety Light

Part No.	Operational Voltage	Colour	Flash Rate per Min
1300561	9–33	Red	60

The projection intensity and size will vary based on the mounting height of the safety light, the diagram below provides an approximate reference.



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# Lightboars



# Lightbars



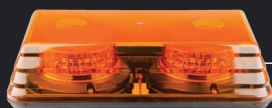
IONNIC Blade – Micro **48**



IONNIC LED Nano-Bar **50**



Rotating LED Mini-Bar **51**



LED Blaze **53**



IONNIC Blade **56**



IONNIC Blade – Mini **59**

Introducing

**ionnic** | 

Blade - Micro  
Lightbars



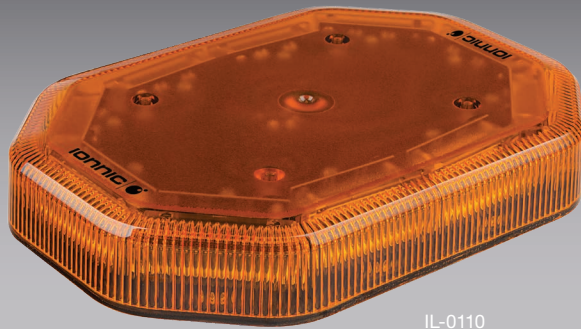


onnio

# Lightbars

IONNIC Blade – Micro

**NEW**



IL-0110

12V  
24V

IP67

3Yrs

- Dual colour models available.
- Compact & low profile LED lightbar.
- High output 1 Watt LEDs.
- Up to 17 flash patterns.
- Magnetic version features cigar plug with integrated on/off (high or low output) & pattern select switches.
- Polycarbonate lens for high durability.
- Multi-voltage.
- Environmentally sealed – IP67.
- Breather filter technology to prevent ingress.
- 3-year warranty.

Voltage : 12–24V  
 Max. Current Draw : 4.5A @ 12V  
 Mount : 2 x M8 Bolts / Magnetic  
 Lens : Polycarbonate  
 Base : ABS  
 Light Source : 1W LEDs  
 Approvals : SAE Class 1, ECE R10, ECE R65 Class 2  
 Ingress Protection : IP67  
 Operating Temperature : -40°C to 60°C



## Introducing IONNIC Blade – Micro

Watch video



Watch a quick video showcasing the many features of the IONNIC Blade Micro.

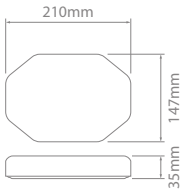


## Powerful in Output, Tiny in Size

Compact enough to easily fit inside a glovebox.



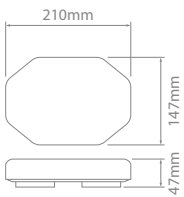




## IONNIC Blade – Micro – 2 Bolt NEW

	Amber	Blue	Green	Magenta	Red
Coloured Lens	<b>IL-0110</b>	—	—	—	—
Clear Lens	<b>IL-011C</b>	<b>IL-033C</b>	<b>IL-044C</b>	<b>IL-066C</b>	<b>IL-055C</b>

Supplied with mounting hardware.  
600g. Cable length – 0.4m.  
16 flash patterns.



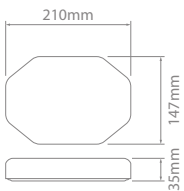
On/off (high or low output) & pattern select switches



## IONNIC Blade – Micro – Magnetic NEW

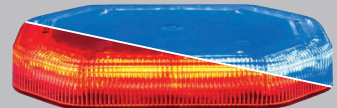
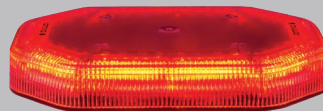
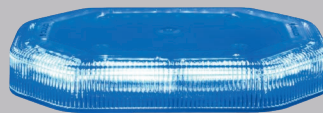
	Amber
Coloured Lens	<b>IL-0110-M</b>
Clear Lens	<b>IL-011C-M</b>

900g. Cable length – 3.4m.  
16 flash patterns.



### Dual Colour

Dual Colour Blade Micro lightbars contain dual colour chip LEDs. Each colour is controlled independently, so each light pattern can function as either colour or both colours.



## IONNIC Blade – Micro – 2 Bolt – Dual Colour NEW

	Amber/Green	Red/Blue	Amber/Red
Clear Lens	<b>IL-088C</b>	<b>IL-077C</b>	<b>IL-099C</b>

Supplied with mounting hardware.  
600g. Cable length – 0.4m.  
17 flash patterns.



# Lightbars

IONNIC LED Nano-Bar



LSQ-0660-M

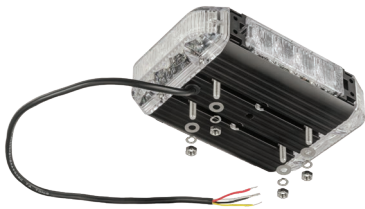
- One of the smallest LED lightbars on the market – 165mm long.
- 14 flash patterns.
- Magnetic version features cigar plug with integrated on/off & pattern select switches.
- Latest high output LED technology.
- Robust housing and lens.
- Can be synchronised.
- Multi-voltage.
- Full 360° light dispersion.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



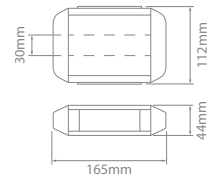
LSQ-0440

12V 30V 5Yrs

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



LSQ-0110



## IONNIC LED Nano-Bar – 4 Bolt

- |                 |                 |                 |                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Amber           | Blue            | Green           | Magenta         | Red             | Amber/Green     | Red/Blue        |
| <b>LSQ-0110</b> | <b>LSQ-0330</b> | <b>LSQ-0440</b> | <b>LSQ-0660</b> | <b>LSQ-0550</b> | <b>LSQ-0550</b> | <b>LSQ-0770</b> |

Supplied with 4 x M5 bolts, nuts, split ring & washers.  
0.6kg. Cable length – 0.4m.

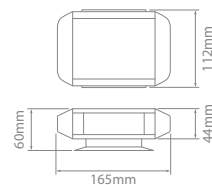
Dual colour models – Only the rotation flash pattern alternates between the two colours. The remaining flash patterns operate in the selected singular colour.



On/off & pattern select switches



Nano-Bar in drawstring carry bag



## IONNIC LED Nano-Bar – Magnetic

- |                   |                   |                   |                   |                   |                   |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Amber             | Blue              | Green             | Magenta           | Red               | Red/Blue          |
| <b>LSQ-0110-M</b> | <b>LSQ-0330-M</b> | <b>LSQ-0440-M</b> | <b>LSQ-0660-M</b> | <b>LSQ-0550-M</b> | <b>LSQ-0770-M</b> |

Supplied with drawstring carry bag.  
1.1kg. Cable length – 3.0m

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

- 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 :	3.8A @ 12V
Flash Rate :	120FPM (per rotator)
Mount :	4 x M5 Bolts
Lens :	Polycarbonate
Base :	Die-cast
Weight :	2.0kg
Light Source :	3W LEDs
Cable Length :	300mm
Approvals :	ECE R10, CE, SAE J845 Class 1
Ingress Protection :	IP67
Operating Temperature :	-30°C to 50°C



## Rotating LED Technology

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

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



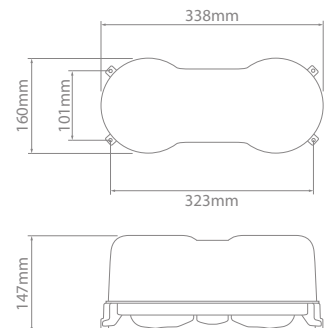
360° circle to sweep the beam much like a standard halogen rotator.

### 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.



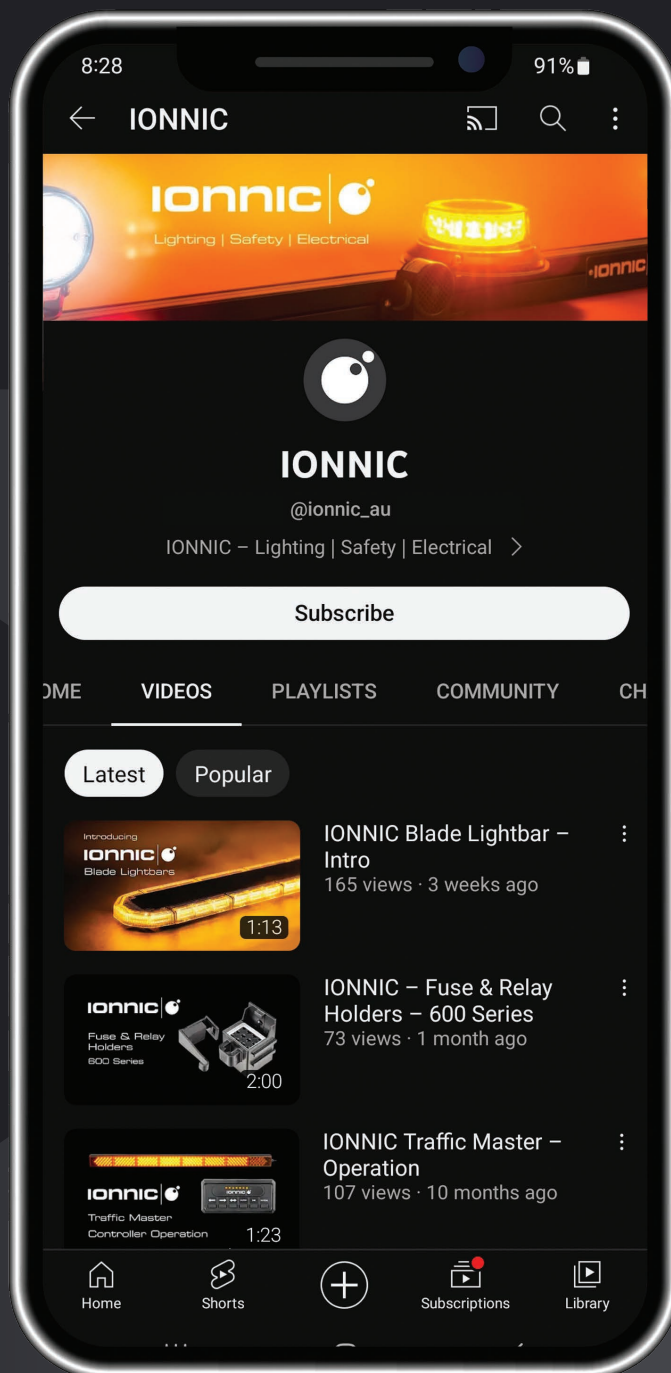
## Rotating LED Mini-Bar – 4 Bolt

Amber  
109000

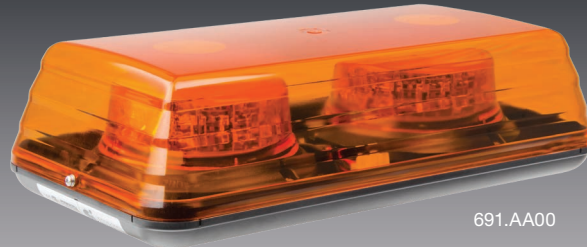


# IONNIC YouTube Channel

Product videos,  
configuration tutorials  
and more



- Features 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.
- Multi-voltage.



691.AA00



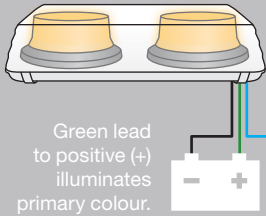
691.AA0C

12V  
24V

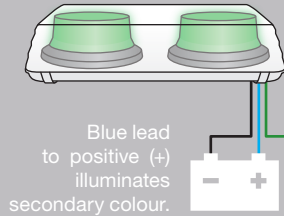
Voltage : 12-24V  
 Current Draw : 6.4A @ 12V  
 Light Source : LED  
 Mount : 2 x 13mm Bolts  
 Lens : Polycarbonate  
 Base : Polycarbonate  
 Ingress Protection : LED Beacons IP67

## Colour Change Control

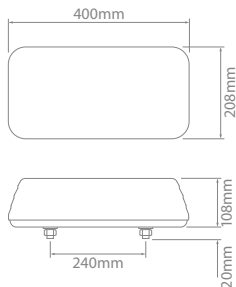
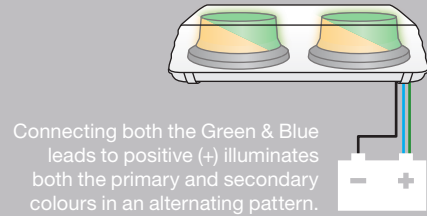
### Primary Colour Mode



### Secondary Colour Mode



### Dual Colour Mode



IONNIC 103 Series LED Beacon

691.AA00



690.AASC

## LED Blaze

	Amber	Blue	Green	Red	Amber/Green	Red/Blue
Coloured Lens	691.AA00	691.AA10	691.AA40	691.AA50	691.AAS0	691.AA70
Clear Lens	691.AA0C	691.AA1C	691.AA4C	691.AA5C	691.AASC	691.AA7C
Colour Change (Clear Lens)	—	—	—	—	690.AASC	690.AA7C

Cable Length - 300mm.



Introducing

**ionnic** | 

Blade Lightbars





Watch  
video



Watch a quick video showcasing the many features of the IONNIC Blade.



# Lightbars

IONNIC Blade

**NEW**



- Latest lightbar technology featuring warning patterns, alley and take down lights and in-built traffic director.
- Includes switch panel providing control of all functions as well as real time operator feedback.
- 25 flash patterns including traffic direction patterns.
- Low profile – 35mm.
- Polycarbonate lens for high durability.
- Lightbars environmentally sealed – IP67.
- Breather filter technology to prevent ingress.
- Dimming function via controller.
- Multi-voltage.
- 3-year warranty.

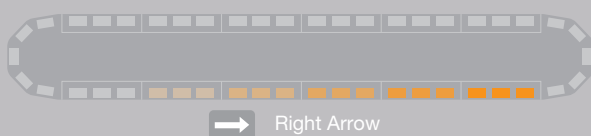
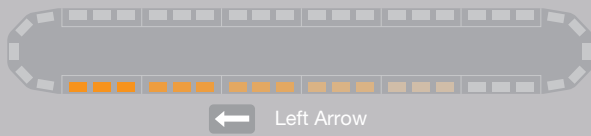
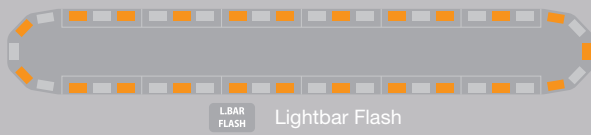


10V 30V IP67 3Yrs

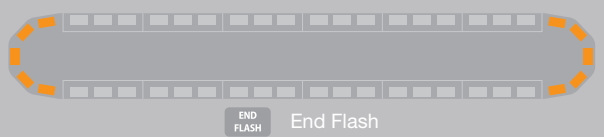
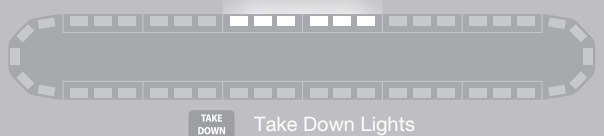
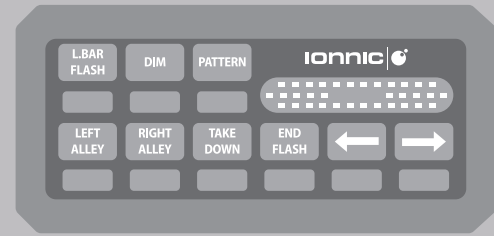
Voltage : 10–30V  
 Mount : 4 x M6 Bolts  
 Lens : Polycarbonate  
 Base : Aluminium  
 Light Source : 1W LEDs  
 Cable Length : 6.5m  
 Approvals : SAE Class 1, ECE R10, ECE R65 Class 2 (End Flash only)  
 Ingress Protection : Lightbars IP67  
 Operating Temperature : -40°C to 60°C

## Simple, Comprehensive Control

The purpose-built switch panel provides simple and total control of all lightbar functions.

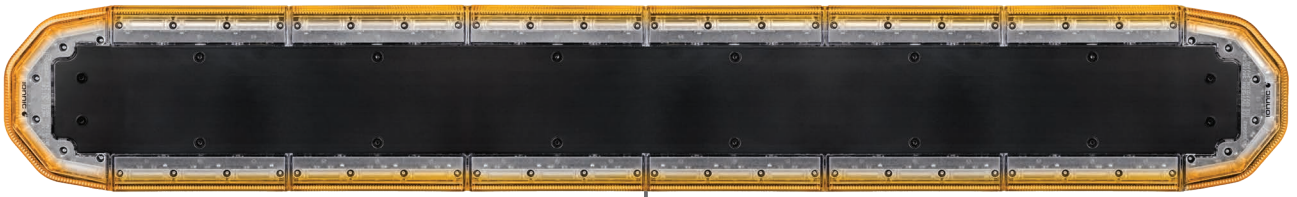


**PATTERN** Pressing the PATTERN button while in Right Arrow, Left Arrow or Lightbar Flash mode will cycle through the available patterns.



**DIM** Pressing the DIM button will reduce light output intensity.





Lightbar Flash



Left Alley Light



Right Alley Light

Watch a video on the IONNIC Blade operation



Press ← button again to exit left arrow mode



Take Down Lights

**All in one Lightbar**  
All this functionality, including Lightbar Flash patterns, Alley Lights, Take Down Lights, End Flash and traffic control through Left/Right Arrows, come standard with the Blade Series lightbars.



End Flash



Left Arrow, Right Arrow



# Lightbars

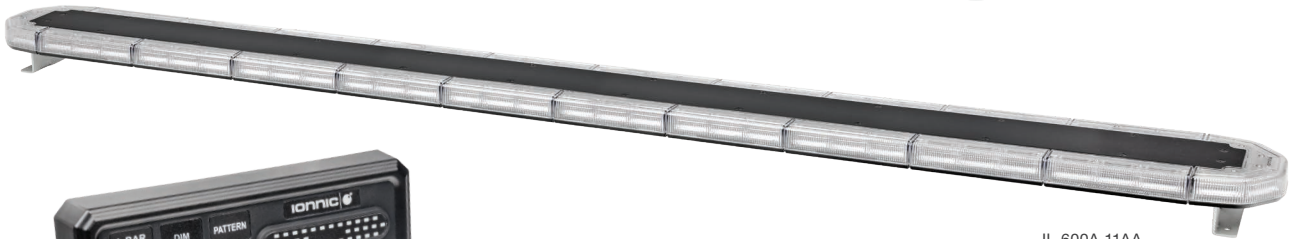
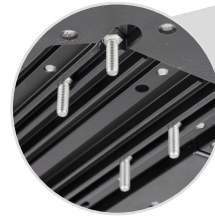


IL-200A-11AA

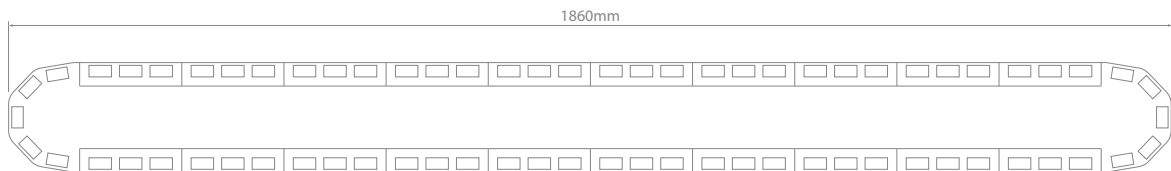
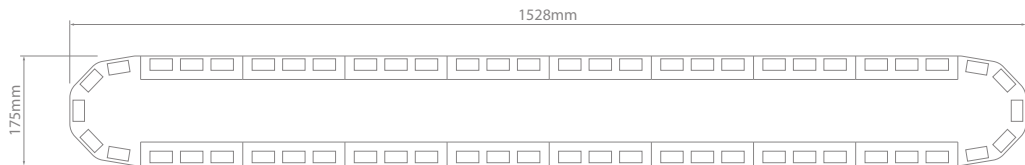
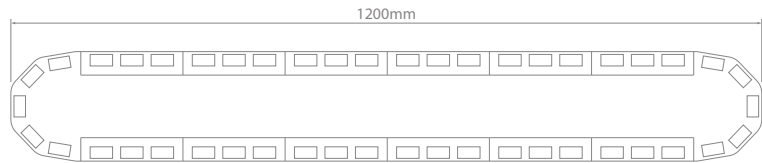
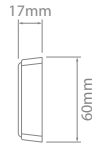
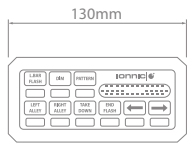
Supplied with brackets and mounting hardware



Mounting channel runs entire length of bar



IL-600A-11AA



## IONNIC Blade NEW

Length	Max. Current Draw	Amber	Blue	Green	Magenta	Red	Red/Blue	Amber/Green
1200mm	23A @ 12V	<a href="#">IL-200A-11AA</a>	<a href="#">IL-233A-11AA</a>	<a href="#">IL-244A-11AA</a>	<a href="#">IL-266A-11AA</a>	<a href="#">IL-255A-11AA</a>	<a href="#">IL-277A-11AA</a>	<a href="#">IL-288A-11AA</a>
1528mm	29A @ 12V	<a href="#">IL-400A-11AA</a>	<a href="#">IL-433A-11AA</a>	<a href="#">IL-444A-11AA</a>	<a href="#">IL-466A-11AA</a>	<a href="#">IL-455A-11AA</a>	<a href="#">IL-477A-11AA</a>	<a href="#">IL-488A-11AA</a>
1860mm	35A @ 12V	<a href="#">IL-600A-11AA</a>	<a href="#">IL-633A-11AA</a>	<a href="#">IL-644A-11AA</a>	<a href="#">IL-666A-11AA</a>	<a href="#">IL-655A-11AA</a>	<a href="#">IL-677A-11AA</a>	<a href="#">IL-688A-11AA</a>

Supplied with switch panel, brackets and mounting hardware including universal gutter mount.

Colour combinations available upon request, lead times apply.

All lenses are clear.

- 15 flash patterns.
- Low profile – 35mm.
- Polycarbonate lens for high durability.
- Environmentally sealed – IP67.
- Breather filter technology to prevent ingress.
- Dimming function.
- Multi-voltage.
- 3-year warranty.

**NEW**

IONNIC Blade – Mini



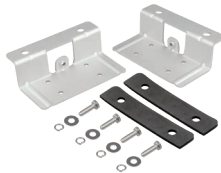
IL-1110-0

Voltage : 10–30V  
 Mount : 4 x M6 Bolts  
 Lens : Polycarbonate  
 Base : Aluminium  
 Light Source : 1W LEDs  
 Cable Length : 3.1m  
 Weight : 2.6kg  
 Approvals : SAE Class 1, ECE R10  
 Ingress Protection : IP67  
 Operating Temperature : -40°C to 60°C

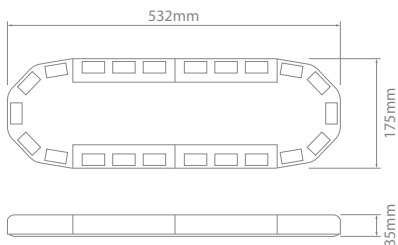
10V 30V IP67 3Yrs



Supplied with brackets and mounting hardware



Mounting channel runs entire length of bar



## IONNIC Blade – Mini NEW

Length	Max. Current Draw	Amber	Blue	Green	Magenta	Red	Red/Blue	Amber/Green
532mm	11A @ 12V	IL-1110-0	IL-1330-0	IL-1440-0	IL-1660-0	IL-1550-0	IL-1770-0	IL-1880-0

Supplied with brackets and mounting hardware.

Colour combinations available upon request, lead times apply.

All lenses are clear.



# ionnic |

## Minebars





ionnic | 

IONNIC

# Mineboars



# Minebars

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Minebars 64



ROPS Bar 69

# Minebars

Minebars



- 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 : Powder Coated Aluminium  
 Harness Length : 4m



21003AF & 21005AF feature forward turn signal LEDs

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

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

Built upon IONNIC's proven minebar platform using only quality components from trusted manufacturers. Exclusively designed and manufactured in Australia.



Configurations are available with:

- NORDIC worklamps
- Brigade tonal or bbs-tek reversing alarms
- IONNIC LED beacons
- IONNIC Blade





### NORDIC CANIS GO 410 Worklamp

Tough, compact with powerful light output. Cast alloy body with IP68 environmental protection.

For more info visit [ionnic.com](http://ionnic.com) or contact your nearest reseller.

### IONNIC 103 LED Beacon

SAE class 1 rated output, IP67, low current draw, low profile and highly durable.

See page 10 for 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 [ionnic.com](http://ionnic.com) or contact your nearest reseller.



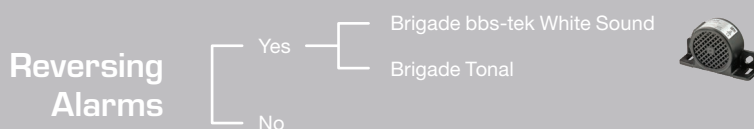
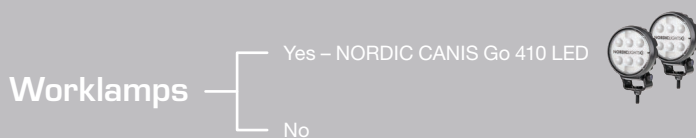
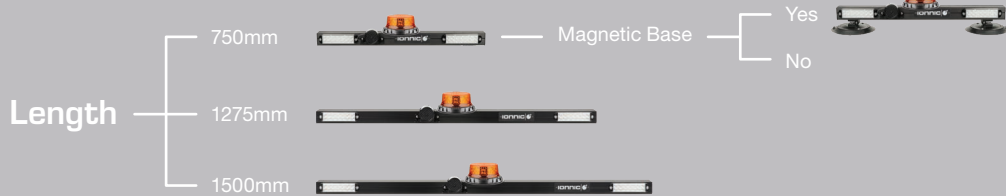
### IONNIC Combination Slimline Lamps

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 [ionnic.com](http://ionnic.com) or contact your nearest reseller.

## Minebar Core Range Options:

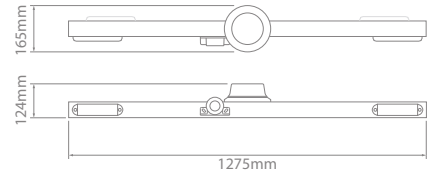


# Minebars



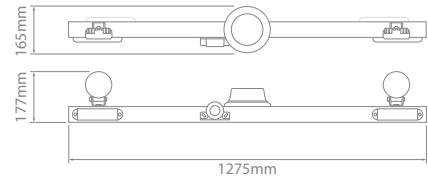
21003A, 21003AF, 21003B, 21003BF

Fig 1



21005A, 21005AF, 21005B

Fig 2

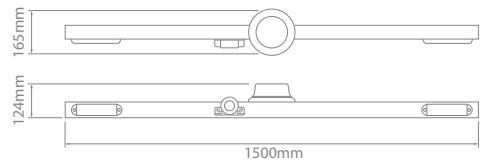


## Minebars – 1275mm

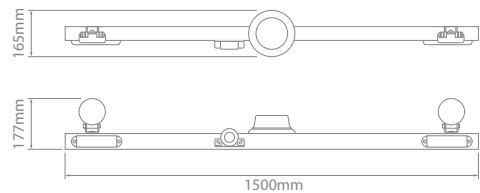
Part No.	Alarm Type	Sound Level – dB(A)@1m	Forward Facing Turn Signal LEDs	Worklamps	Fig
<b>21003A</b>	Tonal	97	—	—	1
<b>21003AF</b>	Tonal	97	•	—	1
<b>21003B</b>	bbs-tek	92	—	—	1
<b>21003BF</b>	bbs-tek	92	•	—	1
<b>21005A</b>	Tonal	97	—	•	2
<b>21005AF</b>	Tonal	97	•	•	2
<b>21005B</b>	bbs-tek	92	—	•	2
<b>21005BF</b> <span style="color: red; font-weight: bold; font-size: small;">NEW</span>	bbs-tek	92	•	•	2



31003A



31005A

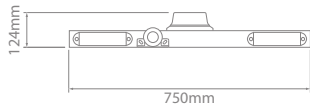
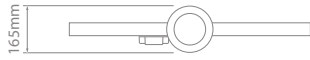


## Minebars – 1500mm

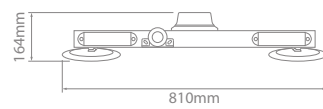
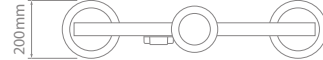
Part No.	Alarm Type	Sound Level – dB(A)@1m	Worklamps
<b>31003A</b>	Tonal	97	—
<b>31005A</b>	Tonal	97	•



1103A



1104A



## Minebars – 750mm

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

Magnetic version requires fitment of user supplied trailer plug assembly.  
Not recommended for highway use.



905A09



905A13



905A14



905FB

## Mounting Kits

Part No.	Description	Suits	
		1275mm Minebars	1500mm Minebars
<b>905A09</b>	Universal bolt down mounts	•	•
<b>905A13</b>	Suits Toyota Prado with genuine roof rails	•	—
<b>905A14</b>	Suits Toyota Prado without roof rails & 200 Series Landcruiser	•	—
<b>905FB</b>	Accessory mount. Ideal for aerials, flags etc. Ø12.5mm mounting hole	•	•

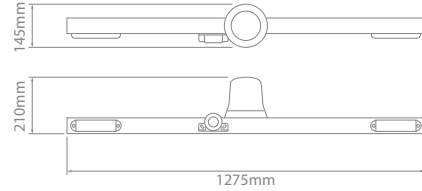
Not suitable for use with 750mm minebars.



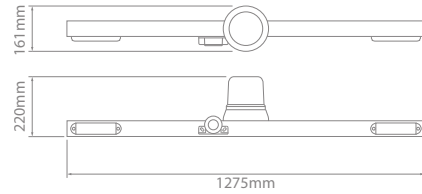
# Minebars



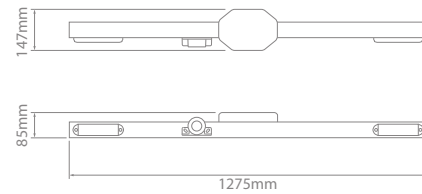
20003A



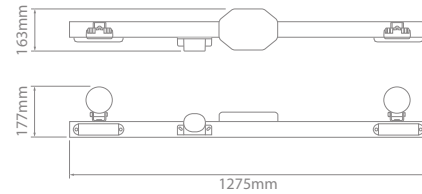
20006A



22003A



22005BSA



## Minebars – 1275mm – Specials

Part No.	Voltage	Beacon Type	Alarm Type	Sound Level – dB(A)@1m	Worklamps
20003A	12*	Halogen Rotating	Tonal	97	—
20006A	12–24	LED Rotating	Tonal	97	—
22003A <span style="color: red; font-weight: bold;">NEW</span>	12–24	IONNIC Blade – Micro	Tonal	97	—
22005BSA <span style="color: red; font-weight: bold;">NEW</span>	12–24	IONNIC Blade – Micro	bbs-tek Self-Adjusting	77–97	•

\* 20003A in 24V available upon request, lead times apply.

- Featuring all premium products including the IONNIC 106 LED beacon, LED combination lamps, and Brigade bbs-tek® reversing alarms.
- Designed and manufactured in Australia.
- Conforms to road registration lighting requirements.
- Quick and easy installation clamps to ROPS.
- ADR compliant LED lamps front & rear.
- 4m Schlemmer protected harness with TE DEUTSCH connector kit supplied.
- Supplied with mounting kit.
- Multi-voltage.



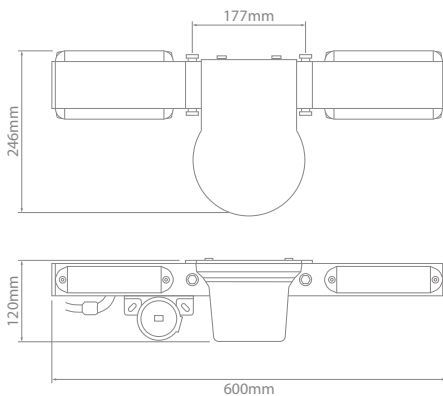
Voltage : 12-24V  
 Beacon Lens : Polycarbonate  
 Light Source : LED  
 Bar : Powder Coated Aluminium  
 Harness Length : 4m



Forward turn signal LEDs



Brigade bbs-tek® white sound reversing alarm



## Roll Over Protection System Bar



Typical Installation showing bar clamped to ROPS.

## ROPS Bar

Part No.	Alarm Type	Sound Level – dB(A)@1m
50002A	bbs-tek	87



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# Switching Systems



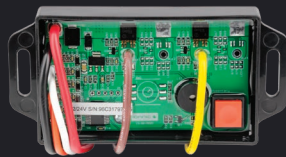
# Switching Systems



ICS Switch Panel Kit 72



ESM Mini Kit 74



Hand Brake Alarm Module 76



Headlights On Units 77

# Switching Systems

## ICS Switch Panel Kit



Actual size

- 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

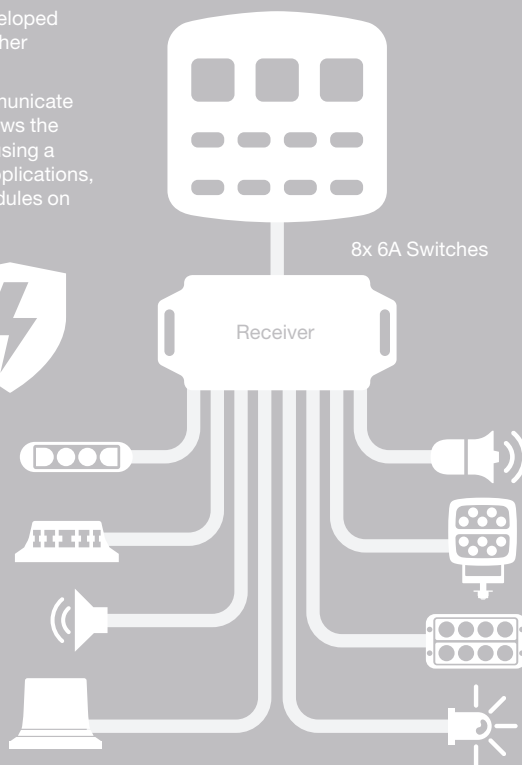
Voltage :	12–24V
Outputs :	8
Max. Output Current Rating (per output) :	6A
Max. Output Current Rating (total) :	40A
Cable Length :	4.5m
Housing :	ABS
Operating Temperature :	-40°C to 85°C

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.

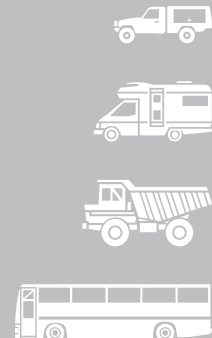
In the event of a short circuit the system immediately turns off the affected output preventing damage to the switch panel and devices controlled by it. The panel provides real-time feedback to the operator via LED's on both the panel and receiver module as to the state of each output.



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.

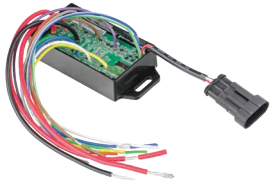
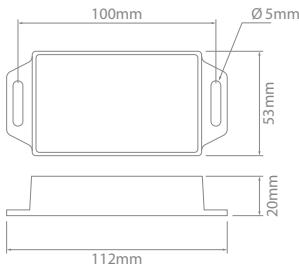
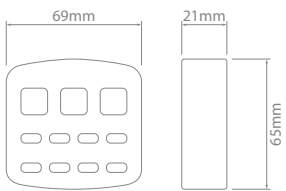
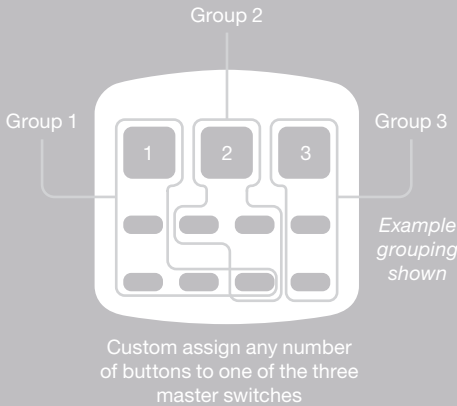




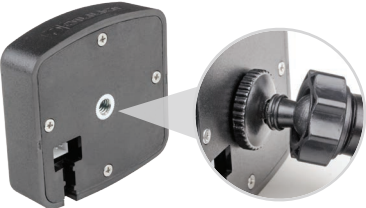
## Master Switches

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 that individual switches can be associated with more than one master switch.



Receiver Module



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



## ICS Switch Panel Kit

Part No.	Voltage	Kit Contents
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 Switch Panel – Accessories & Related Products

Part No.	Description
ICS-01S	Receiver module
50127	AMP Superseal kit – 3 circuits – Receptacle. Includes contacts and seals
50128	AMP Superseal kit – 3 circuits – Plug. Includes contacts and seals
HT-4301	Parallel crimping tool. Crimp range – 0.35–0.5, 0.75, 1.0, 1.5mm <sup>2</sup>



# Switching Systems

ESM Mini Kit



12V  
24V

- Electronically controlled 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 filled for enhanced moisture and vibration protection.

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

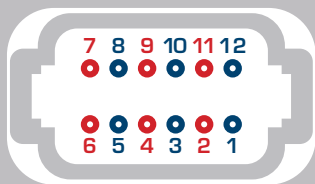
The ESM Mini is a compact, electronically controlled switch module with inbuilt circuit monitoring and protection.

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

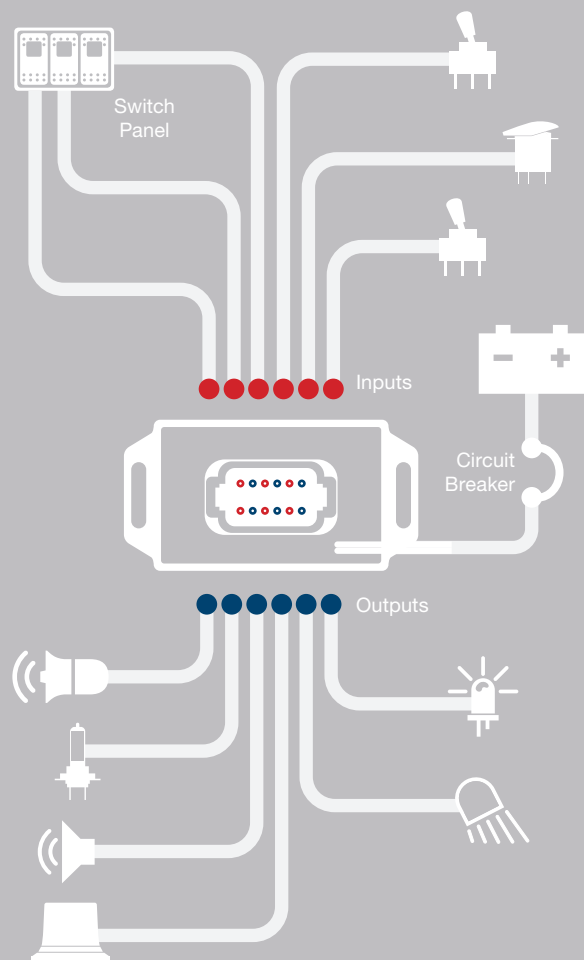
The ESM Mini can be used for any application, from connecting auxiliary lighting off original vehicle tails lights, e.g. Minebar hook-up, to monitoring and protecting a range of auxiliary equipment switched off the original vehicle inputs or from aftermarket toggle, rocker switches etc.

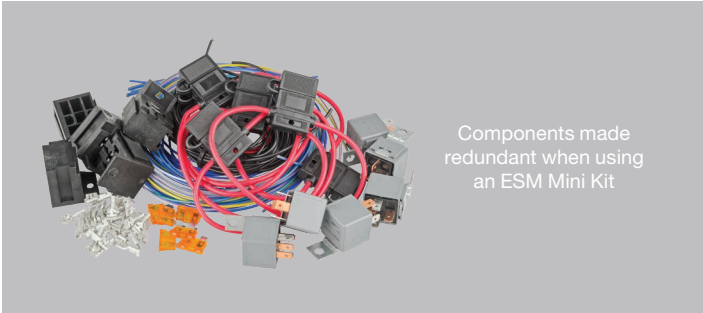
If a short circuit or over-current condition presents on any of the outputs, the affected output will shut down. This circuit will then cycle 3 times (on/off), and if the over-current situation is still present, the output will then be locked in the off state until the fault is rectified and the input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

<b>Circuit 1</b>	<b>Circuit 2</b>	<b>Circuit 3</b>
Input – 4	Input – 2	Input – 6
Output – 3	Output – 1	Output – 5
<b>Circuit 4</b>	<b>Circuit 5</b>	<b>Circuit 6</b>
Input – 11	Input – 9	Input – 7
Output – 12	Output – 10	Output – 8

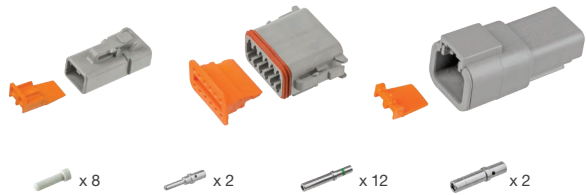
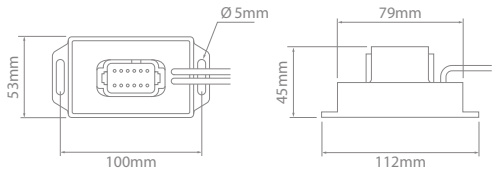


Inductive loads must not be used on the input or output circuits without additional external protection. Failure to do so may result in damage to the unit and will void warranty.





Components made redundant when using an ESM Mini Kit



## ESM Mini Kit

Part No.	Voltage	Switching	Kit Contents:
<b>ESM006</b>	<b>12-24</b>	<b>Positive</b>	1 x ESM006 Control Module 1 x Connector – DT Series (DT06-12SA) 1 x Connector – DTP Series (DTP04-2P) 1 x Connector – DTP Series (DTP06-2S) 8 x Cavity Plug (114017)
			1 x Wedgelock – DT Series (W12S) 1 x Wedgelock – DTP Series (WP2P) 1 x Wedgelock – DTP Series (WP2S) 2 x Pin – Solid (0460-204-12141) 12 x Socket – Solid Green Band (0462-209-16141) 2 x Socket – Solid (0462-203-12141)



DET12, DET16



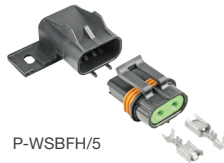
HDT48-00



DET-RT



CB255-XX



P-WSBFH/5



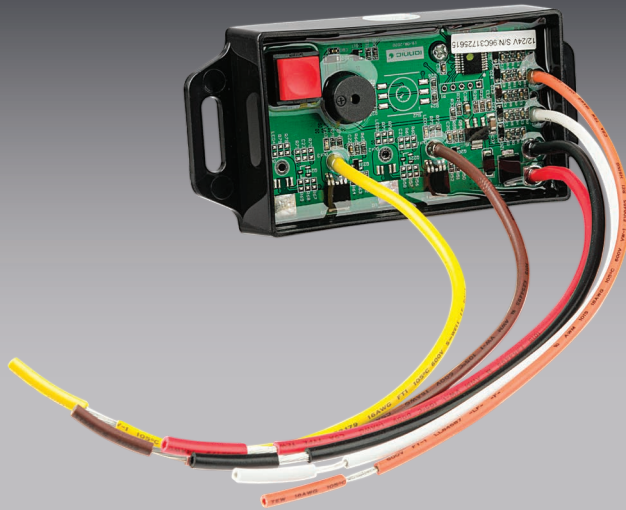
BFXX/10

## ESM Mini – Accessories & Related Products

Part No.	Description
<b>DET12</b>	Crimping tool. Size 12
<b>DET16</b>	Crimping tool. Size 16
<b>HDT48-00</b>	Crimping tool. Size 12, 16, 20 & 22
<b>DET-RT</b>	Multi-use hook tool
<b>CB255-XX</b>	Circuit breaker – Panel Mount Series Replace 'XX' with desired amperage: 10, 15, 20, 25, 30, 35, 40, 50
<b>P-WSBFH/5</b>	ATC fuse holder kit – 30A Kit contents: 5 x Housing, 5 x Plugs, 10 x Terminals
<b>BFXX/10</b>	ATC/ATO blade fuses, pack of 10 Replace 'XX' with desired amperage: 1, 2, 3, 4, 5, 7.5, 10, 15, 20, 25, 30, 40

# Switching Systems

## Hand Brake Alarm Module

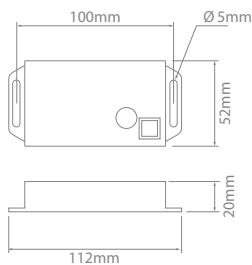
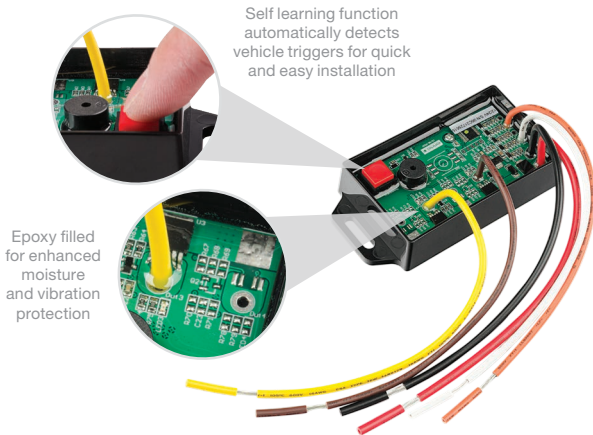


12V  
24V

2Yrs

- Can be adapted to any vehicle.
- Self learning function automatically detects vehicle triggers for quick and easy installation.
- Designed to signal when hand brake is not engaged and vehicle door opens.
- Satisfies mine site requirements.
- 2 stage outputs.
- Compact easy installation.
- Suitable for positive and negatively switched vehicles/applications.
- Epoxy filled for enhanced moisture and vibration protection.
- Can be used as a general 2 stage alarm module.
- 2-year warranty.

Voltage : 12–24V  
 Current Rating : 2 x 4A @ 12V  
 Body : ABS  
 Cable Length : 150mm  
 Operating Temperature : -40°C to 70°C

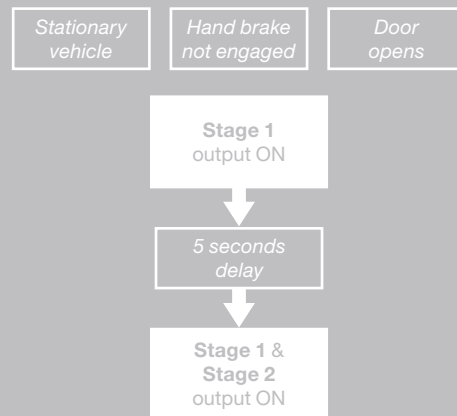


### Hand Brake Alarm Operation

The MS-HB01 Hand Brake Alarm Module is designed to satisfy the mine site requirement where all stationary vehicles must have the hand brake engaged.

The MS-HB01 does this by triggering alarms when a vehicle operator attempts to leave the vehicle by opening one or more of the doors without applying the hand brake.

The MS-HB01 unit is a 2 stage device.



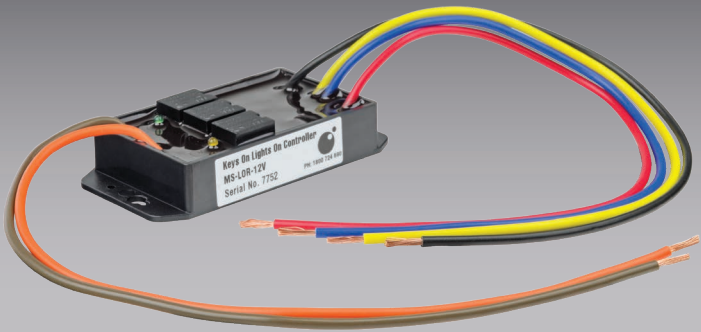
Device deactivation will only occur when the hand brake is applied. Closing the door alone will not deactivate the unit.

### Hand Brake Alarm Module

Part No.	Description
MS-HB01	Suits any positive or negatively switched vehicle

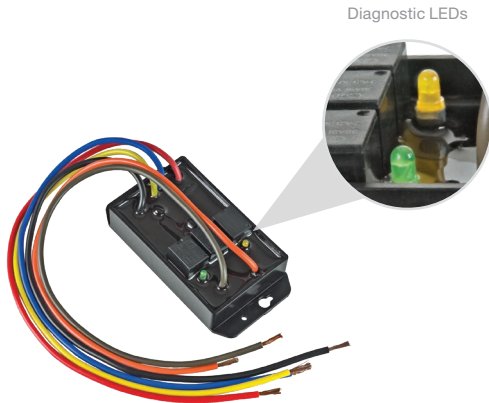
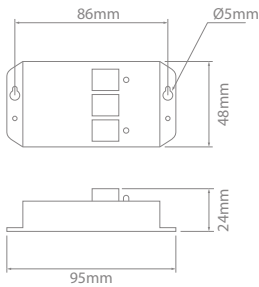
Installation on late model multiplexed vehicles must be performed by a qualified technician.

- Can be adapted to any vehicle.
- Designed to operate park & low beam lights any time vehicle ignition is on.
- 10 second start-up delay.
- Compact easy installation.
- Diagnostic LEDs.
- Available in positively and negatively switching models.
- Epoxy filled for enhanced moisture and vibration protection.
- 2-year warranty.



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

2Yrs



## Headlights On Units

Part No.	Suits
<b>MS-LOR-12V</b>	Negatively switched headlights
<b>MS-LOP-12V</b>	Positively switched headlights

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



## ELECTRICAL



Contura & Push Button Switches



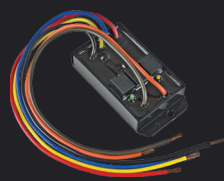
ICS Switch Panel



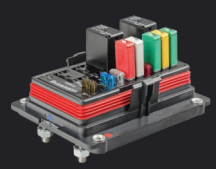
ESM Mini



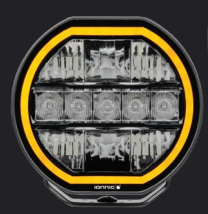
Battery Lockout Kits



Headlights On & Handbrake Alarm



Power Distribution Modules



Night Ranger Driving Lights



GME Radio Systems



Mining Safety Accessories



# SAFETY

Brigade CCTV Systems



bbs-tek Reversing Alarms



LED Beacons



LED Warning Lights



Blade Lightbars



# LIGHTING

IONNIC Minebars



Worklamps



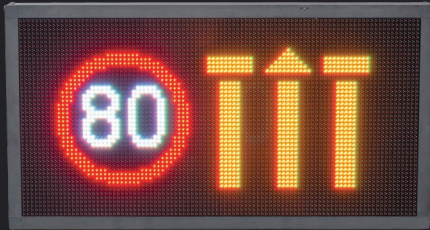
For more info on any of these product lines visit [ionnic.com](http://ionnic.com) or contact your nearest reseller.

# Traffic Direction





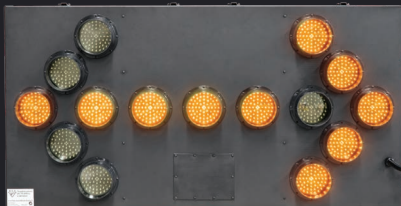
# Traffic Direction



Variable Message Signs **82**



LED Message Display **84**



Arrow Boards **86**



IONNIC Traffic Master **90**



IONNIC Traffic Director **92**

# Traffic Direction

Variable Message Signs

**NEW**



2Yrs

- Three sizes of message boards programmable using touch screen controller.
- Aluminium encased 5" touch screen LCD controller.
- RGB modules allowing wide range of colour options.
- Real-time image preview.
- Automatic brightness control (message board).
- Hundreds of preloaded colour graphics.
- Intuitive interface makes creating, editing and saving graphics & messages easy.
- Wide, consistent viewing angle – 120°.
- Passive cooling – no fans.
- Signs are environmentally sealed – IP66.
- 2-year warranty.

Message Board Housing : Powder Coated Aluminium  
 Power Harness Length : 7.5m  
 Ingress Protection : Message Board IP66  
 Operating Temperature : -20°C to 50°C

## Complete Message Control

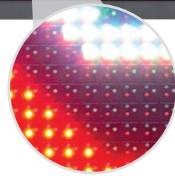
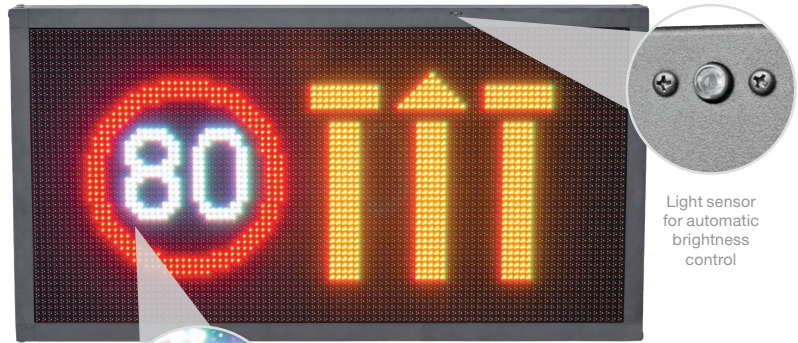
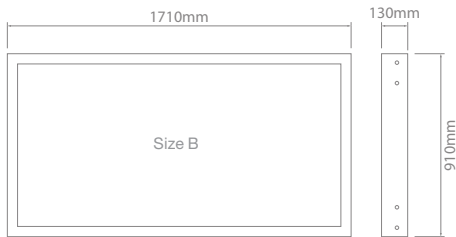
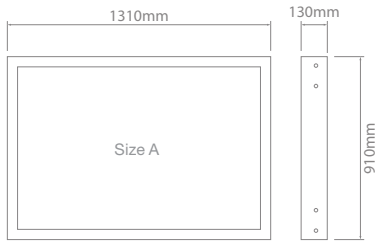


Select from hundreds of preloaded graphics

Customise your own messages with up to 3 screen transitions



# Traffic Direction



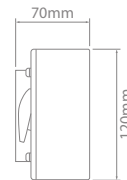
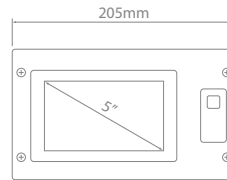
Each LED module contains a red, green & blue LED

IP66

Light sensor for automatic brightness control



Supplied with 7.5m Power Harness.  
Controller Harness sold separately – see below



## Variable Message Signs – Kits NEW

Part No.	Size	Display Size (mm)	Display Size (LED Modules)	Voltage	Max. Current Draw	Weight (kg)
<b>VMS002-12V</b>	A	1200 x 800	72 x 48 (3456)	12	22.5A	98
<b>VMS002-24V</b>	A	1200 x 800	72 x 48 (3456)	24	11.2A	98
<b>VMS001-12V</b>	B	1600 x 800	97 x 48 (4656)	12	27.6A	135
<b>VMS001-24V</b>	B	1600 x 800	97 x 48 (4656)	24	13.8A	135
<b>VMS003-24V</b>	C	2000 x 1200	120 x 72 (8640)	24	20A	275

Kit contents:  
1 x Single-sided Message Board  
1 x Touch Screen Controller  
1 x 7.5m Power Harness  
\* Controller Harness sold separately – see below



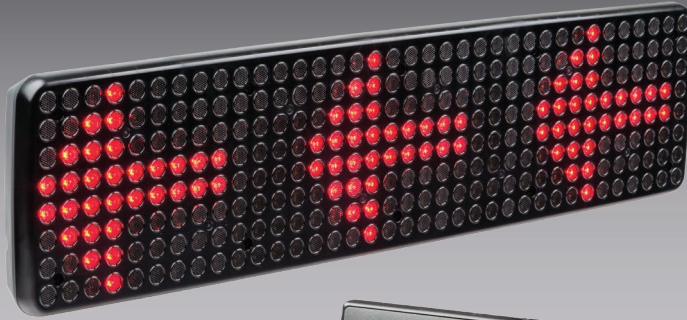
## Variable Message Signs – Controller Harnesses NEW

7.5m	10m	15m	20m	
<b>VMS-CABLE-7.5M</b>	<b>VMS-CABLE-10M</b>	<b>VMS-CABLE-15M</b>	<b>VMS-CABLE-20M</b>	1 x Controller Harness required per VMS Kit.



# Traffic Direction

## LED Message Display



10V  
30V

- 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.
- Message Display environmentally sealed – IP67.

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 IP67
Operating Temperature :	-20°C to 65°C

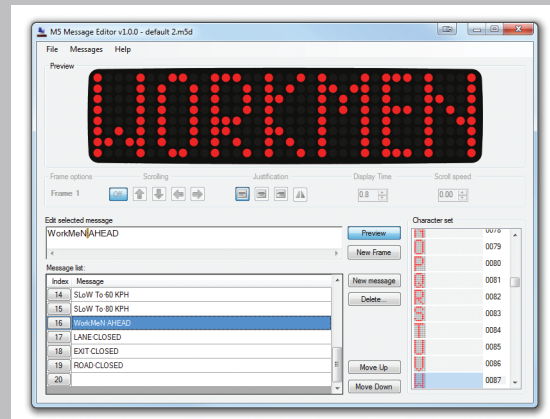
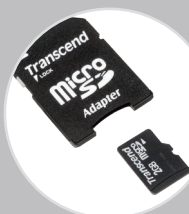


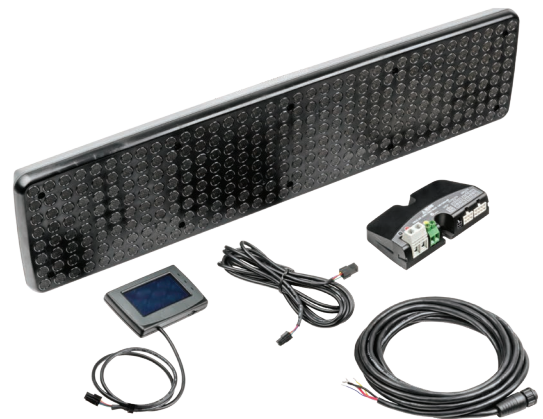
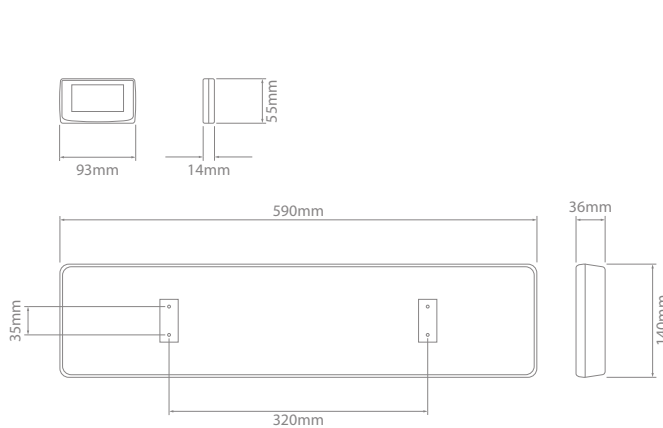
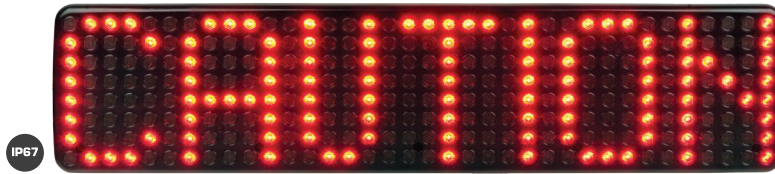
Resistive touch screen functionality

## Programming Software

Simple user-friendly PC software supplied on microSD card. Using the Message Editor software, easily create/edit up to 99 custom messages and upload to the memory card.

Supplied with 2GB microSD card and adaptor



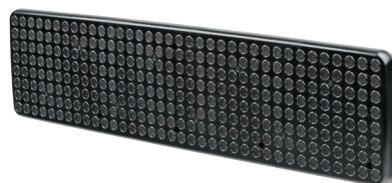


## LED Message Display Kit

Part No.	Kit Contents
<b>CD0012R</b>	1 x Display Board 1 x Touch Screen Controller 1 x 2.5m Controller Extension Harness 1 x 5m Display Harness 1 x Junction Box

## Double-sided Setup

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



## LED Message Display – Accessories

Part No.	Description
<b>CD0012R-S1</b>	Supplemental display for double-sided configurations



# 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.

**Voltage :** 12–24V  
**Lens :** Polycarbonate  
**Board :** Powder Coated Aluminium  
**Controller Harness Length :** 15m  
**Power Harness Length :** 10m  
**Light Source :** LED (NATA Certified Lamp)  
**Operating Temperature :** -10°C to 60°C  
**Warranty :** 2-year, 5-year (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)



## Flash Patterns

Flashing Arrow Right



1

2

3

Flashing Arrow Left

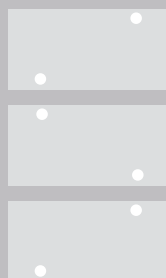


1

2

3

Corner Caution  
(alternates)



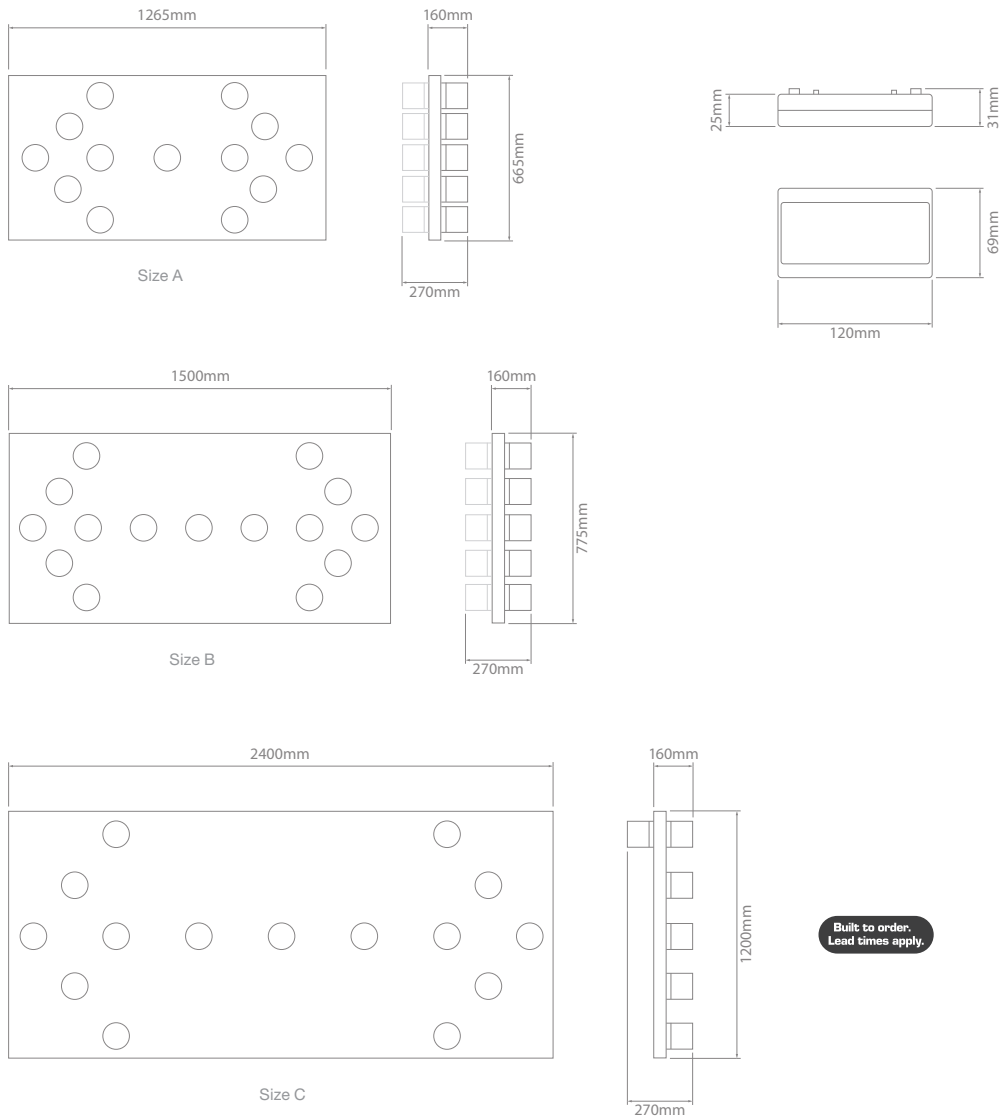
1

2

3

Flashing Double Arrows





## Arrow Boards

Part No.	Board Type	Lamps	Sides	Max. Current Draw	Weight (kg)
<b>AAB-AB</b>	A	13	Single-sided	2.1A @ 12V	16.6
<b>AAB-AB-DBL</b>	A	13	Double-sided	4.2A @ 12V	18.7
<b>AAB-BB</b>	B	15	Single-sided	2.5A @ 12V	21.6
<b>AAB-BB-DBL</b>	B	15	Double-sided	5A @ 12V	25.3
<b>AAB-CB</b>	C	15/17*	Single-sided	2.5A @ 12V	55

Supplied with Controller and Harness.

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



# Traffic Direction



AAB-L0010



AAB-L0004



AAB-R0050, AAB-R0040

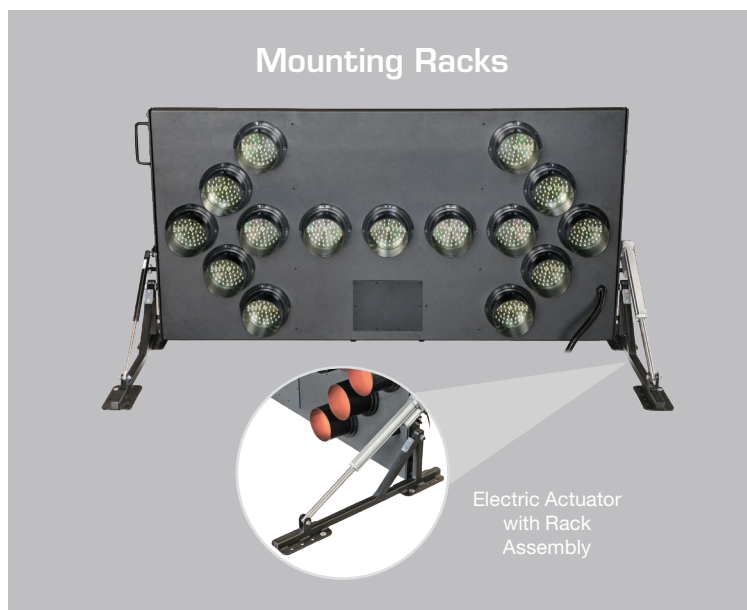


TA4-12V, TA4-24V

## Arrow Boards – Spare Parts / Accessories

Part No.	Description	Suits
<b>AAB-L0010</b>	LED insert including shroud. 12V	All boards
<b>AAB-L0004</b>	LED shroud	All boards
<b>AAB-R0050</b>	Rack assembly including gas strut	A board
<b>AAB-R0040</b>	Rack assembly including gas strut	B boards
<b>TA4-12V*</b>	Electric actuator. 12V, 5.2A, IP66	AAB-R0050 / AAB-R0040
<b>TA4-24V*</b>	Electric actuator. 24V, 3.0A, IP66	AAB-R0050 / AAB-R0040

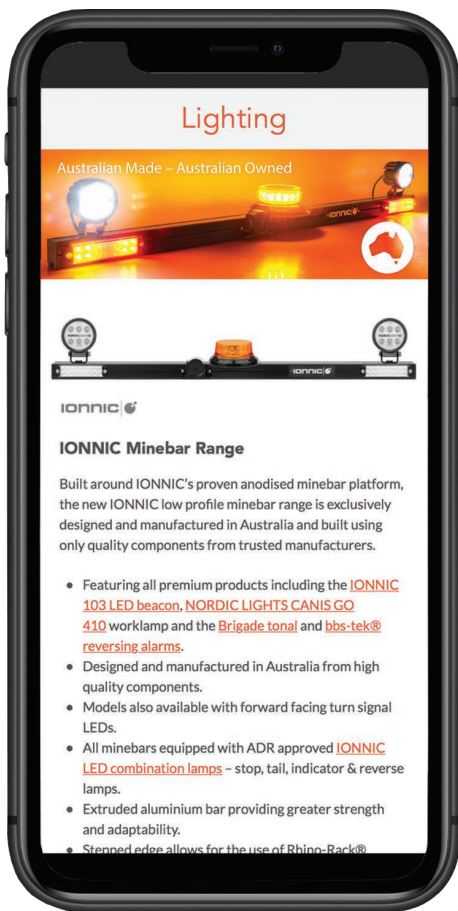
\* When used in applications other than arrow boards carries 12 month warranty only.





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[ionnic.com](http://ionnic.com)

## ionnic | Product Update Newsletter Lighting | Safety | Electrical April 2023

### Safety



Example of radar sensor data overlaid on-screen.  
Monitor not included in kit.



#### Backsense® Network Radar with OSD Kit

Brigade's Backsense® Network Radar System is the next generation of radar-based obstacle detection. Due to the number of complex blind spots on a vehicle, a single radar cannot always provide the detection required and numerous in-cab displays for multiple radars can be more of a distraction than a benefit.

The Brigade Backsense® Network Radar with OSD Kit allows for the use of 2 Backsense® Network Radar sensors to be combined with any Brigade Backeye® camera system.

Radar detection data is overlaid transparently along the edge of the monitor so as not to obscure the camera image, with the audible warning via the monitor speakers.

- Overlay detection data for up to 2 radar sensors on a single monitor.
- Complies with CAN 2.0A Base Frame Format.
- Detects multiple moving and stationary objects.
- High frequency continuous wave provides increased reliability & low false alarm rates.
- Adjustable detection range up to 30m.
- 3 trigger inputs used for activating components such as alarms and beacons.
- Environmentally sealed sensor – IP69K
- Sensor can be steam & pressure cleaned.
- Multi-voltage.
- 3 year warranty.

### Electrical



# Traffic Direction

IONNIC Traffic Master

**NEW**



10V 30V 5Yrs

- 8 epoxy sealed, high output LED modules.
- Controller shows flash pattern in real-time.
- 8 flash patterns for each of the three arrow modes and 20 for the caution mode.
- Supplied with controller, harness and stainless steel mounting brackets.
- Lightbar environmentally sealed – IP67.
- Available with 8m or 12m harness.
- Dimming function via controller.
- Low current draw.
- Multi-voltage.
- 5-year warranty.

Voltage :	10–30V
Max. Current Draw :	5A @ 12V
Lens :	Polycarbonate
Base :	Aluminium
Light Source :	250 x 0.2W LEDs
Total Weight :	3.8kg
Ingress Protection :	Lightbar IP67
Operating Temperature :	-40°C to 60°C



IP67



Controller shows flash pattern in real-time



**Watch video**

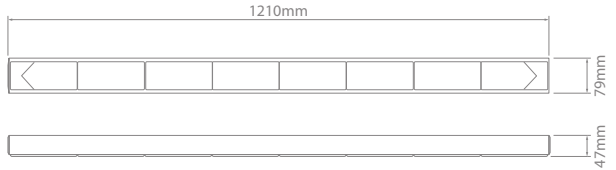
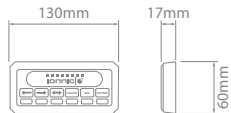




**Intro Video**



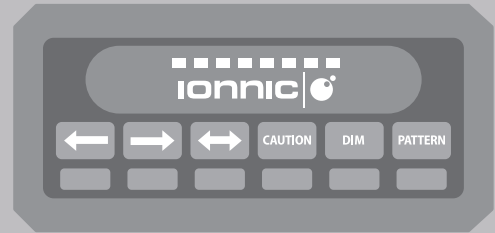
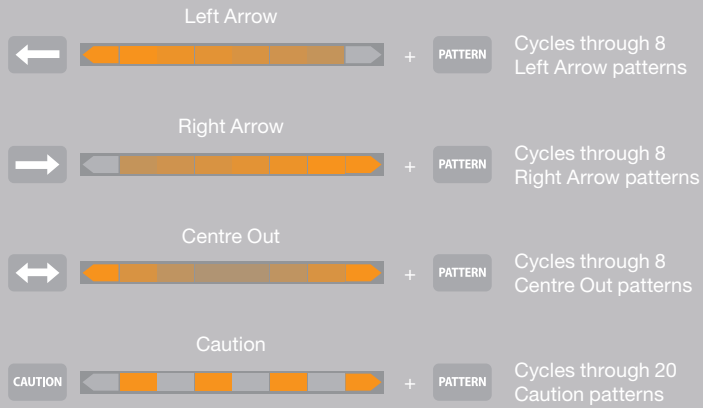
Harness exits from side of housing for easy installation



## IONNIC Traffic Master **NEW**

8m Harness	12m Harness
<b>S30000</b>	<b>S30000/12M</b>

## Controller Functions



The purpose-built switch panel provides simple and total control of all lightbar functions.

Each of the 3 arrow modes (includes Centre Out) have 8 patterns. The Caution mode has 20 patterns. Cycling through the different patterns is done by pressing the PATTERN button.

Pressing the DIM button toggles the dimming function on or off.

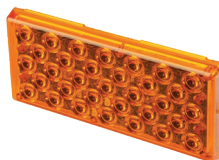
## Controller Operation Video



Watch a quick video on the Traffic Master controller operation.

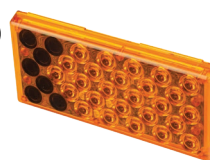


S30000CONTROL



S30000CTRMOD

IP67



S30000ENDMOD



S30000-EH15

## IONNIC Traffic Master – Spare Parts & Harness Extension NEW

Part No.	Description
<b>S30000CONTROL</b>	Controller
<b>S30000CTRMOD</b>	LED Module – Centre
<b>S30000ENDMOD</b>	LED Module – End
<b>S30000-EH15</b>	Controller harness extension. Converts S30000 into 15m. Converts S30000/12m into 19m.



# Traffic Director

IONNIC Traffic Director



LSTA001

12V  
24V

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 :	40 x 1W LEDs
Controller Harness Length :	12m
Power Harness Length :	12.5m
Kit Weight :	3.6kg
Ingress Protection :	LED Modules IP67
Operating Temperature :	-40°C to 80°C

## Controller Functions

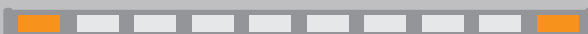


The Director Pattern (DIR. PAT.) button is used in conjunction with the top 4 buttons. When one of the top four patterns is engaged, pressing the DIR. PAT. button will then cycle to the next version of that pattern. There are 8 versions of each of the four patterns.

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



- + Cycles through 8 Left Arrow patterns
- + Cycles through 8 Right Arrow patterns
- + Cycles through 8 Centre Out patterns
- + Cycles through 8 Caution patterns



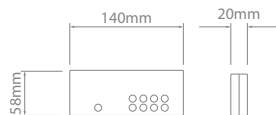
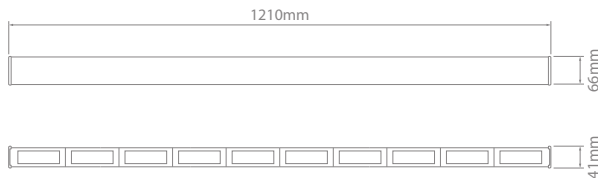
The END LIGHT button controls the two outermost LED modules only. When the END LIGHT pattern is engaged, the END PAT. button cycles through the 8 versions of the END LIGHT pattern.

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



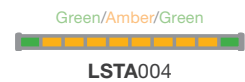
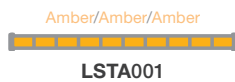
- + Cycles through 8 End Light pattern variants

# Traffic Direction



Supplied with mounting brackets, controller and harness

## IONNIC Traffic Director



Supplied with mounting brackets, controller and harness.

All LED modules are clear.

Controller harness must not be shortened or modified.



LSTA410TP



LS-M43T-A, LS-M43T-B, LS-M43T-G, LS-M43T-R

## IONNIC Traffic Director – Spare Parts

Part No.	Description
<b>LSTA410TP</b>	Controller
<b>LS-M43T-A</b>	LED Module – Amber
<b>LS-M43T-B</b>	LED Module – Blue
<b>LS-M43T-G</b>	LED Module – Green
<b>LS-M43T-R</b>	LED Module – Red

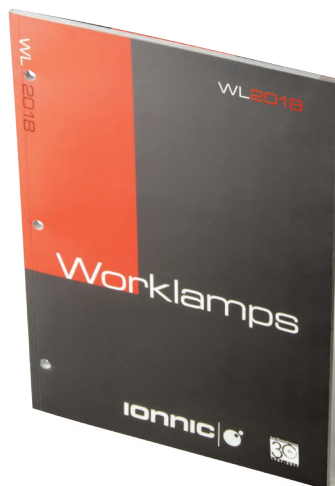
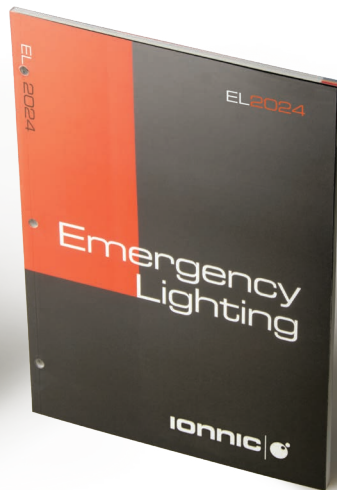


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