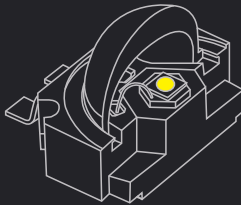




LED Technology

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



24Hr Burn In

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



Superslim, Maxiview & Slimline Ranges

IONNIC LED modules are offered in 3 ranges:

Superslim (KLSLED)

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

Maxiview (KRLED)

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

Slimline (KSLED)

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



High Power 3W LEDs

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

3W LEDs



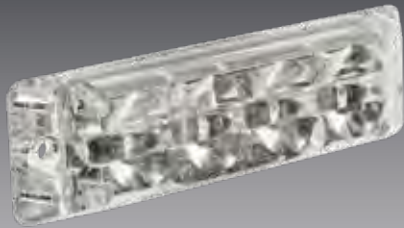


LED Lighting

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

LED Lighting

Superslim



OS-KLSLEDO4B-GG



KLSLED33B-BB

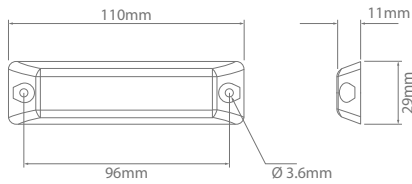
- 12V
24V
- IP67
- ECE
R10
- 5Yrs

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

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



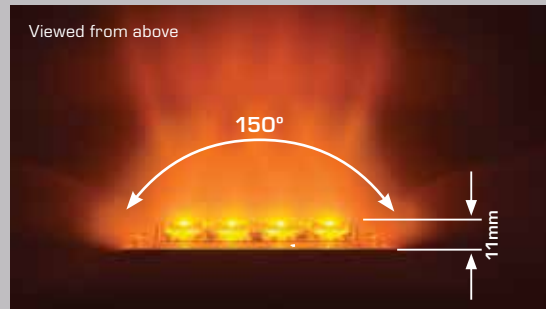
Covert applications – install without rubber gasket.



Combination Optics

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

Viewed from above



Superslim – 4 LED

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

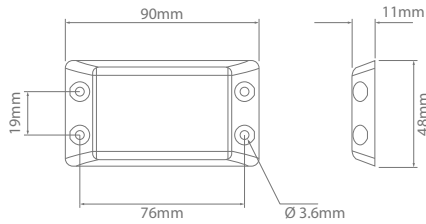
0.6A @ 12V

Superslim Ultra – 4 LED – High Output

NEW **3W LEDs**

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

1.0A @ 12V



Superslim – 6 LED

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

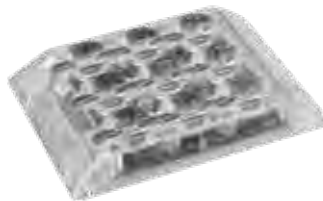
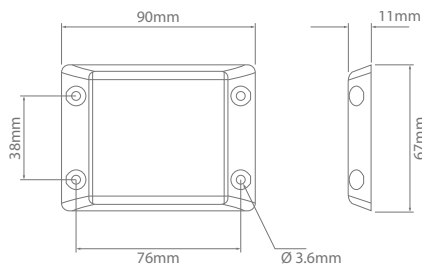
0.7A @ 12V

Superslim Ultra – 6 LED – High Output

NEW **3W LEDs**

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

1.3A @ 12V



Superslim – 9 LED

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

1.0A @ 12V

Superslim Ultra – 9 LED – High Output

NEW **3W LEDs**

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

1.5A @ 12V



Mounting Brackets – Superslim

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



LED Lighting

Maxiview



OS-KRLEDO3B-M

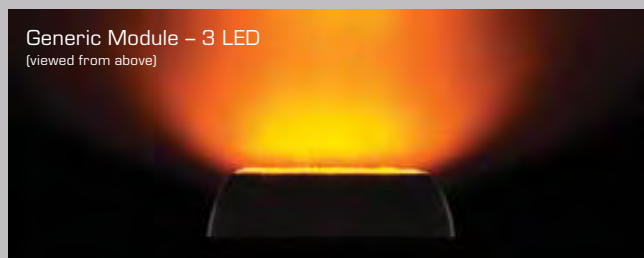
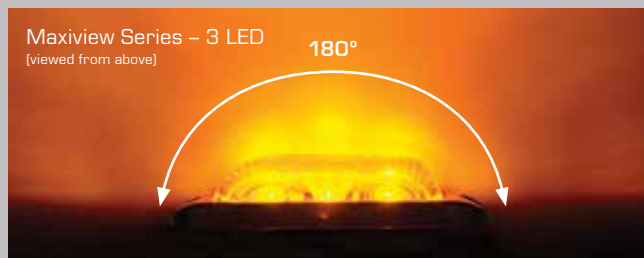
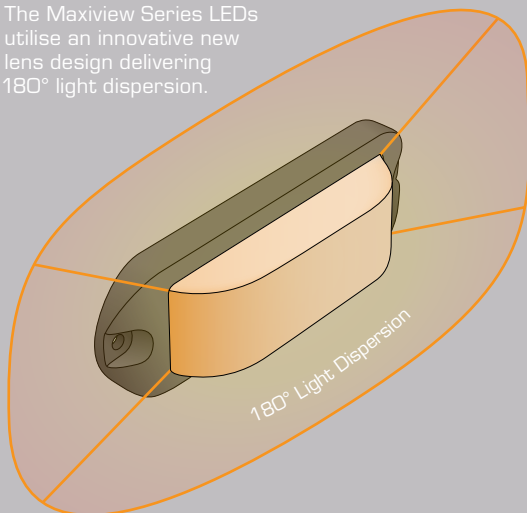
- Ultra bright 3W LED versions.
- Optic design providing ultra wide 180° light dispersion.
- High output LEDs.
- Up to 25 flash patterns.
- Dimming function.
- Aluminium base.
- Low current draw.
- Epoxy encapsulated electronics for environmental & vibration protection.
- LEDs rated to 100,000 hours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

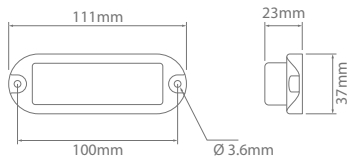


Voltage : 12-24V
Lens : Polycarbonate
Approvals : ECE R10
Cable Length : 180mm
Ingress Protection : IP67

180° Light Dispersion

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





Maxiview – 3 LED

Amber
KRLEDO3B-A

Blue
KRLEDO3B-B

Green
KRLEDO3B-G

Magenta
KRLEDO3B-M

Red
KRLEDO3B-R

White
KRLEDO3B-W

0.3A @ 12V.
12 Flash Patterns.

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

Amber
OS-KRLEDO3B-A

Blue
OS-KRLEDO3B-B

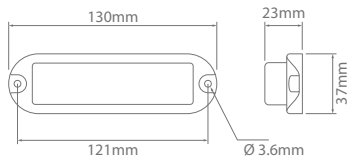
Green
OS-KRLEDO3B-G

Magenta
OS-KRLEDO3B-M

Red
OS-KRLEDO3B-R

White
OS-KRLEDO3B-W

0.5A @ 12V.
12 Flash Patterns.



Maxiview – 4 LED

Amber
KRLEDO4B-AA

Blue
KRLEDO4B-BB

Green
KRLEDO4B-GG

Magenta
KRLEDO4B-MM

Red
KRLEDO4B-RR

White
KRLEDO4B-WW

Red/Blue
KRLEDO4B-RB

0.8A @ 12V.
25 Flash Patterns.

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

Amber
OS-KRLEDO4B-AA

Blue
OS-KRLEDO4B-BB

Green
OS-KRLEDO4B-GG

Magenta
OS-KRLEDO4B-MM

Red
OS-KRLEDO4B-RR

White
OS-KRLEDO4B-WW

Red/Blue
OS-KRLEDO4B-RB

1.0A @ 12V.
25 Flash Patterns.



KRLEDO3B-BKT



KRLEDO4B-BKT

Mounting Brackets – Maxiview

3 LED
KRLEDO3B-BKT

4 LED
KRLEDO4B-BKT



LED Lighting

Slimline



OS-KSLEDO6B-WW

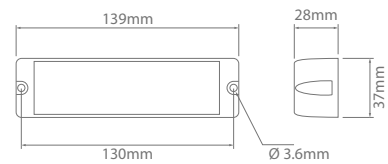


KSLEDO8B-RB



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

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



Slimline – 4 LED

Amber
KSLEDO4B-AA

Blue
KSLEDO4B-BB

Red
KSLEDO4B-RR

White
KSLEDO4B-WW

Red/Blue
KSLEDO4B-RB

0.8A @ 12V.
 25 Flash Patterns.

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

Amber
OS-KSLEDO4B-AA

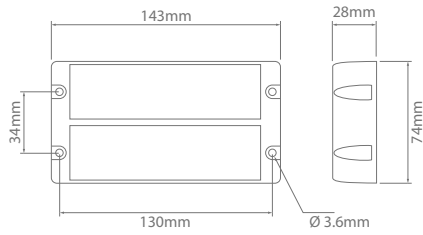
Blue
OS-KSLEDO4B-BB

Red
OS-KSLEDO4B-RR

White
OS-KSLEDO4B-WW

Red/Blue
OS-KSLEDO4B-RB

1.0A @ 12V.
 25 Flash Patterns.



Slimline – Dual 4 LED

Amber
KSLED24B-AA

Blue
KSLED24B-BB

Red
KSLED24B-RR

White
KSLED24B-WW

Amber/White
KSLED24B-AW

Red/Blue
KSLED24B-RB

Other colour combinations available upon request.

1.6A @ 12V.

25 Flash Patterns.

Slimline Ultra – Dual 4 LED – High Output

NEW

3W LEDs

Amber
OS-KSLED24B-AA

Blue
OS-KSLED24B-BB

Red
OS-KSLED24B-RR

White
OS-KSLED24B-WW

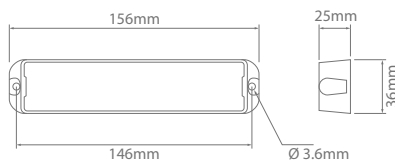
Amber/White
OS-KSLED24B-WA

Red/Blue
OS-KSLED24B-RB

Other colour combinations available upon request.

2.0A @ 12V.

25 Flash Patterns.



Slimline – 6 LED

Amber
KSLED06B-AA

Blue
KSLED06B-BB

Red
KSLED06B-RR

White
KSLED06B-WW

Red/Blue
KSLED06B-RB

0.7A @ 12V.

25 Flash Patterns.

Slimline Ultra – 6 LED – High Output

NEW

3W LEDs

Amber
OS-KSLED06B-AA

Blue
OS-KSLED06B-BB

Red
OS-KSLED06B-RR

White
OS-KSLED06B-WW

Red/Blue
OS-KSLED06B-RB

1.0A @ 12V.

25 Flash Patterns.



LED Lighting



Slimline – Dual 6 LED

Amber
KSLED26B-AA

Red
KSLED26B-RR

White
KSLED26B-WW

Red/Blue
KSLED26B-RB

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

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

Amber
OS-KSLED26B-AA

Red
OS-KSLED26B-RR

White
OS-KSLED26B-WW

Red/Blue
OS-KSLED26B-RB

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



Slimline – 8 LED

Amber
KSLEDO8B-AA

Red/Blue
KSLEDO8B-RB

0.8A @ 12V.
26 Flash Patterns.



KSLEDO4B-BKT



KSLEDO6B-BKT



KSLEDO8B-BKT

Mounting Brackets – Slimline

4 LED
KSLEDO4B-BKT

6 LED
KSLEDO6B-BKT

8 LED
KSLEDO8B-BKT

Catalogue Catalogues



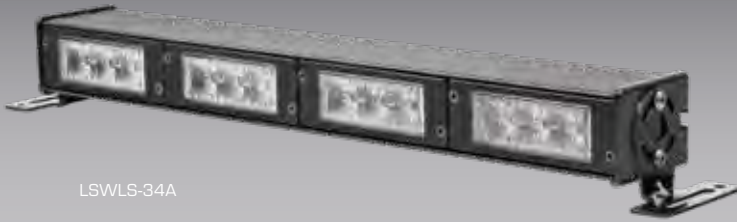
*Available
mid 2018*

*Available
early 2019*



LED Lighting

LED Warning Bar



LSWLS-34A

12V
24V

5Yrs

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

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



Slide to adjust rear bolt mounting



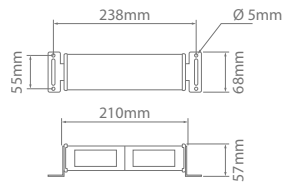
Supplied brackets allow for mounting on angled surfaces



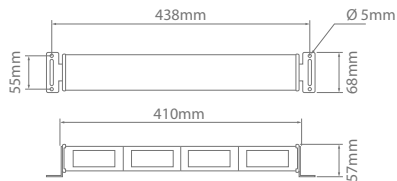
Versatility

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

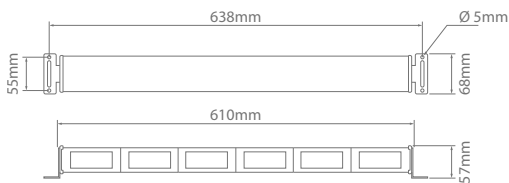




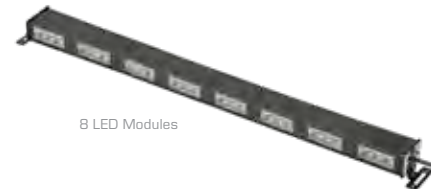
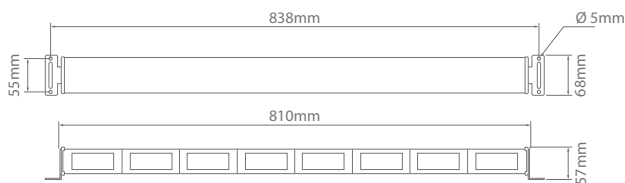
2 LED Modules



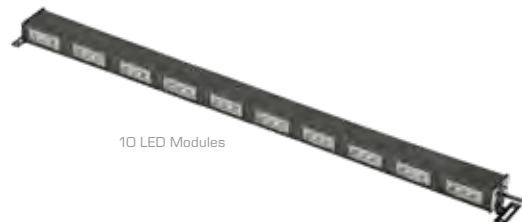
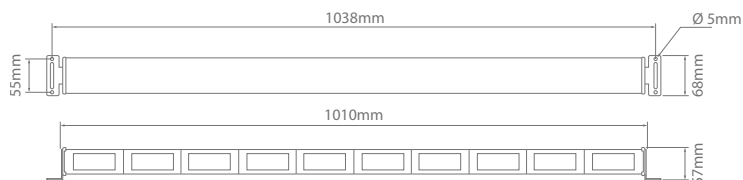
4 LED Modules



6 LED Modules



8 LED Modules



10 LED Modules

LED Warning Bars

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



LED Lighting

Covert Series

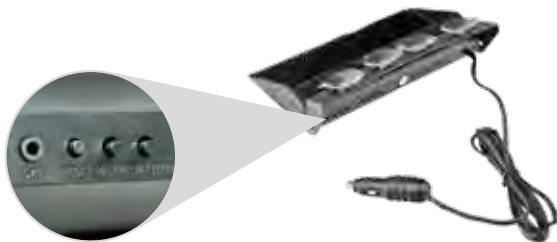


- Suction cups for quick and easy windscreen mounting.
- 30 flash patterns.
- Dimming function.
- User controls on rear of unit – Reset, Dimming, Flash select.
- 2.8mm lead to cigar plug.
- LEDs rated to 100,000 hours of operation.
- Permanent bolt-down mounting option.
- Real time flash pattern indicator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

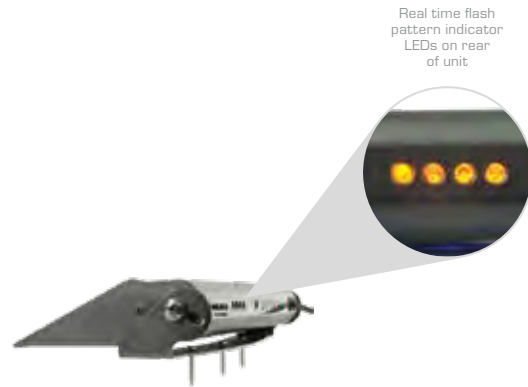
12V
24V

5Yrs

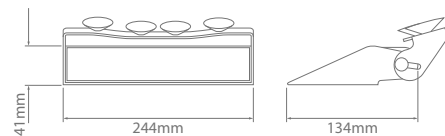
Voltage : 12–24V
 Current Draw : 0.5A @ 12V
 Flash Patterns : 30
 Lens : Polycarbonate
 Body : ABS
 Approvals: SAE-W-07
 Light Source : 1W LEDs
 Cord Length : 2.8m



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



Real time flash pattern indicator LEDs on rear of unit



Covert Series – 8 LED

Amber
LSDL-42TEAA

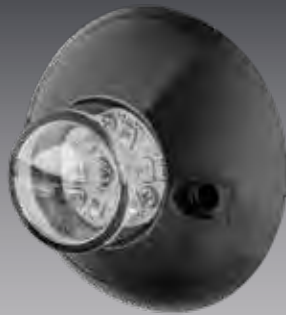
Amber/Red
LSDL-42TEAR

Amber/White
LSDL-42TEAW

Red/Blue
LSDL-42TERB

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

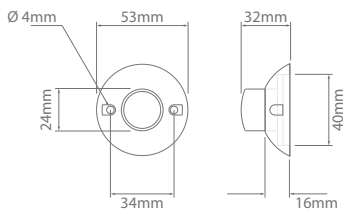
NEW



LED Hide-A-Way

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

12V 30V ECE R10 IP67 5Yrs



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

Amber
LSHA01-AA

Blue
LSHA01-BB

Magenta
LSHA01-MM

Red
LSHA01-RR

White
LSHA01-WW

Red/Blue
LSHA01-RB

Other colour combinations available upon request.

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



LED Lighting

LED Road Marker



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

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



3W LEDs




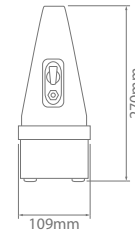
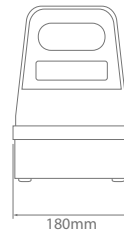
Portable Safety

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



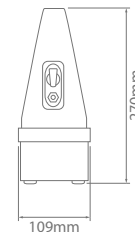
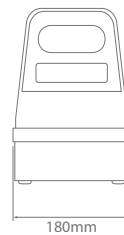
4 LED Road Marker – Single Sided

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



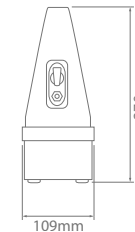
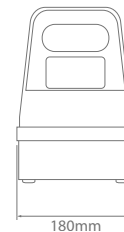
4 LED Road Marker – Double Sided

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



6 LED Road Marker – Single Sided

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



AGM Batteries

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

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



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

AGM batteries have a lifespan of up to 10 years and can be discharged up to 80% of their capacity without detriment and have a very low self-discharge rate of typically between 1% – 3% per month. Low internal resistance allows an AGM battery to be charged and discharged rapidly without generating heat or reducing battery life.

