sentinel
safety products

SAFETY AND WARNING LIGHTING CATALOGUE

EDITION 6

Peterson Europe

Standing out from the crowd...

by design, by technology, by quality

Peterson Europe is the European sales, distribution and technical support partner of Peterson Manufacturing (www.pmlights.com). PM is a world leader in the manufacturing of vehicle safety lighting systems.

We offer
- European Distribution
- Bespoke Solutions
- O.E. Specification
- Superior Quality

Operating across a wide variety of vehicle sectors, we are an industry leader in LED vehicle lighting technology.

COMMERCIAL

UTILITIES

AGRICULTURE

MATERIALS HANDLING

CONSTRUCTION

AVIATION

BUS & COACH

WASTE

RECOVERY

SPECIALISED

sentinel
safety products

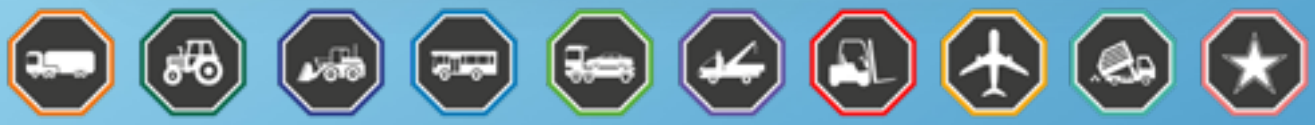
Our growing range of quality Sentinel Safety Products is brought to you by a team with extensive experience in the development and UK manufacturing of LED and Xenon warning products. The Sentinel product range is built on the 3 cornerstones of aesthetic design, product quality and cost-effective manufacture.

LED DIRECTIONALS

Overview

Our certified LED directional products offer a wide range of fitting and mounting options to suit a wide range of applications in many market sectors. We also have 8 featured R65 types in our range. The LED directional range comes with a 3 year warranty.

Market Sectors



LED DIRECTIONALS			
Product	**Image**	**Colours**	**Page**
LED directional	SL-1043X SL-10421X SL-10426	Amber	**4**
LED directional	SL-1045X SL-1046X SL-1065X	Amber, red, blue or white	**5**
LED directional	SL-1003X SL-1040X SL-1044X	Amber, blue or white	**6**
LED directional & marker Light	SL-107XX	Amber, red, blue or white	**7**

LED DIRECTIONALS

SL-1043X SERIES

NEW!

- 3 diode low profile 10.6mm
- ECE R65 double flash pattern, amber
- Certified to ECE R10
- Multi-voltage 9-32 Vdc
  16 selectable flash patterns
- Multiple units can be synchronised
- Reverse polarity protected
- IP68

R65

Part Number	Description
SL-10431	LED directional – amber
SL-10436	Black bezel
SL-10437	Chrome bezel
SL-10438	White bezel
SL-10439	Mounting bracket - L shaped

SL-10421X

NEW!

- R65 double flash pattern, amber
- Certified to ECE R65 for horizontal mounting
- Certified to ECE R10
- Multi-voltage 10-30Vdc
- Multiple units can be synchronised
- Reverse polarity protected
- IP67
- Featuring just one flash pattern, SL-10421X offers easy and time-saving installation

R65

Part Number	Description
SL-10421X	R65 LED directional light - amber

SL-10426

NEW!

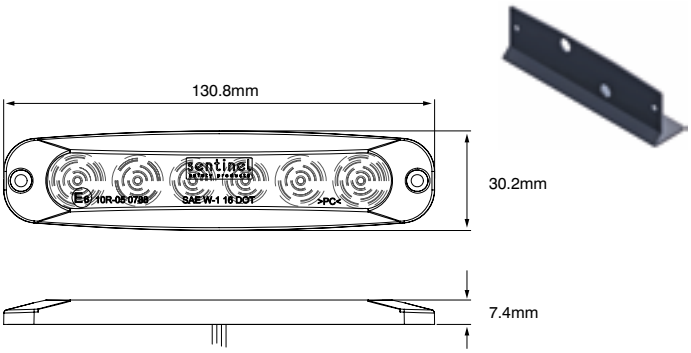
- R65 double flash pattern, amber
- Certified to ECE R65 for vertical mounting
- Certified to ECE R10
- Multi-voltage 10-30Vdc
  Multiple units can be synchronised
- Reverse polarity protected
- IP67
- Featuring just one flash pattern, SL-10426 offers easy and time-saving installation

R65

Part Number	Description
SL-10426	R65 LED directional light - amber

LED DIRECTIONALS

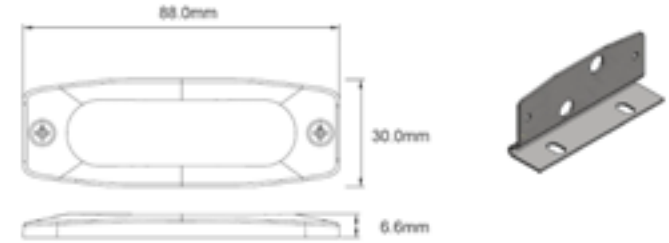
SL-1045X SERIES



- 6 diode super-low profile: only 7.4mm deep
- Certified to ECE R10
- Multi-voltage 9–32Vdc
- 14 selectable flash patterns, including steady burn
- Multiple units can be synchronised to flash simultaneously or alternately
- Self-adhesive pad mount or screw mount
- IP67

Part Number	Description
SL-10451	LED directional pad – amber
SL-10452	LED directional pad – red
SL-10453	LED directional pad – blue
SL-10454	LED directional pad – white
SL-10459	Mounting bracket

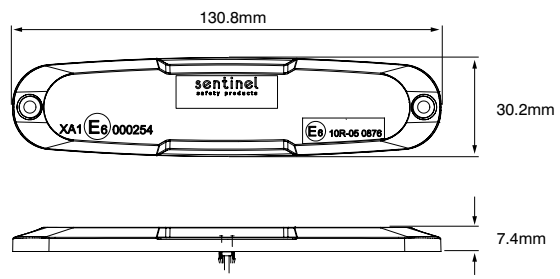
SL-1046X SERIES



- 3 diode super-low profile: only 6.6mm deep
- Certified to ECE R10
- Multi-voltage 10–30Vdc
- 12 selectable flash patterns, including steady burn
- Multiple units can be synchronised to flash simultaneously or alternately
- Self-adhesive pad mount or screw mount
- IP67

Part Number	Description
SL-10461	LED directional pad – amber
SL-10462	LED directional pad – red
SL-10463	LED directional pad – blue
SL-10464	LED directional pad – white
SL-10469	Mounting bracket

SL-1065X SERIES



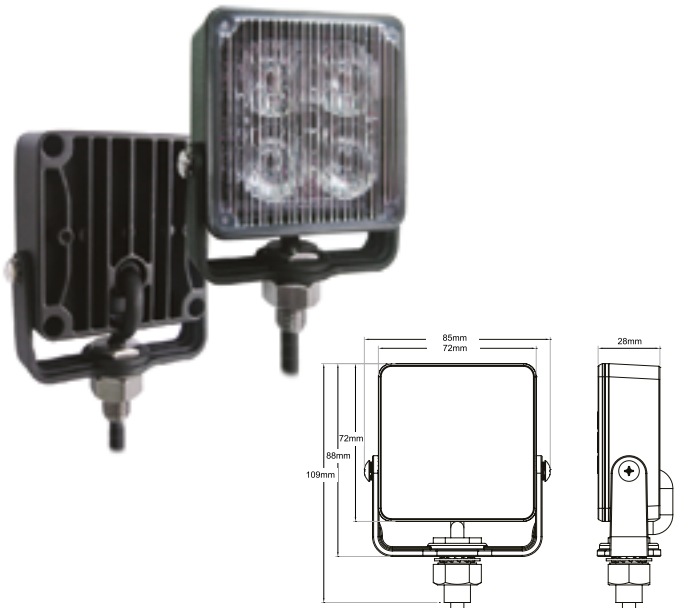
- 6 diode super-low profile: only 7.4mm deep
- Certified to ECE R65 in amber
- Certified to ECE R10
- Multi-voltage 9-32Vdc
- 21 selectable flash patterns, including steady burn
- Multiple units can be synchronised to flash simultaneously or alternately
- Self-adhesive pad mount or screw mount
- IP67

Part Number	Description
SL-10651	LED directional pad - amber

R65 in red and blue available on request.

LED DIRECTIONALS

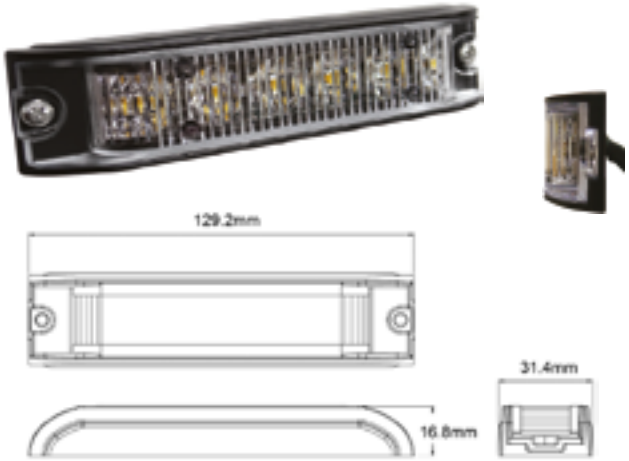
SL-1003X EVADER SERIES



- Clear lens with 4 coloured diodes
- ECE R65 certified (amber)
- Certified to ECE-R10
- Multi-voltage 11-30Vdc
- 19 selectable flash patterns
- Multiple units can be synchronised to flash simultaneously or alternately
- Single bolt bracket mount with horizontal and vertical adjustment
- Alternative surface mount capability
- IP67

Part Number	Description
SL-10031	Evader LED directional – amber
SL-10033	Evader LED directional – blue

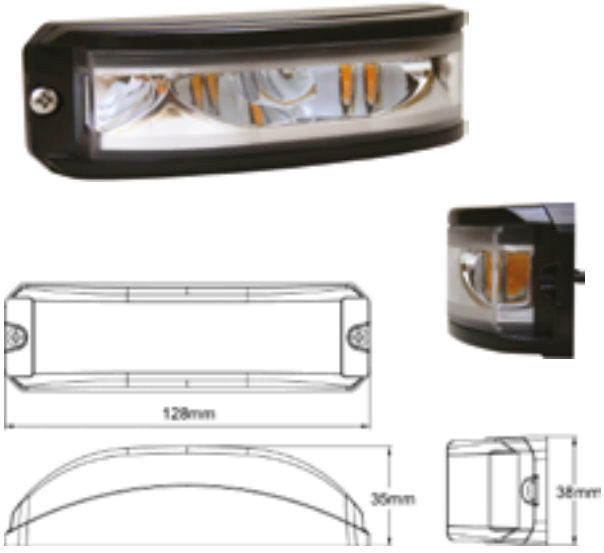
SL-1040X SERIES



- 6 high-power diodes
- Certified to ECE R65 in amber and blue
- Certified to ECE R10
- Dual-voltage 12/24Vdc
- 15 selectable flash patterns
- Multiple units can be synchronised to flash simultaneously or alternately
- IP67
- Side optic for wide angle visibility

Part Number	Description
SL-10401	R65 LED directional – amber
SL-10403	R65 LED directional – blue
SL-10404	LED directional – white

SL-1044X HAWKEYE SERIES

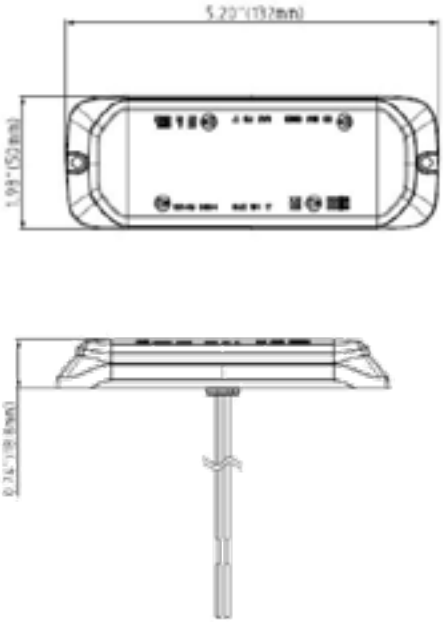


- 9 high-power diodes
- Certified to ECE R65 **wide angle effect** in amber and blue
- Certified to ECE R10
- Dual-voltage 12/24Vdc
- 16 selectable flash patterns
- Multiple units can be synchronised to flash simultaneously or alternately
- IP68
- Featuring a unique design that provides true and certified 180° wide angle visibility

Part Number	Description
SL-10441	R65 LED 180° directional – amber
SL-10443	R65 LED 180° directional – blue

LED DIRECTIONAL & MARKER LIGHT

NEW!



- 6 high-power diodes
- Certified to ECE R65 in amber
- Certified to ECE R10
- Side marker certified to ECE R91
- Front/rear marker/position lights certified to ECE R7
- Multi-voltage 10-30Vdc
- 14 selectable flash patterns
- Multiple units can be synchronised to flash simultaneously or alternately
- Reverse polarity protected
- Combination R65 flashing LED directional and ECE certified position or side marker light
- Space saving dual function capabability offers ease of installation and simpler harness layout

Part Number	Description
SL-10711	LED directional R65 amber + side marker light amber ECE
SL-10721	LED directional R65 amber + rear position light red ECE
SL-10722	LED directional R65 red + rear position light red ECE
SL-10741	LED directional R65 amber + front position light white ECE
SL-10758	White bezel
SL-10759	Chrome bezel

R65 blue flashing options available on request

LED AND XENON BEACONS

Overview

Our high quality range of LED and XENON safety beacons offers a variety of products to choose from, including R65 & CAP168/ICAO specification. LED beacons come with a 3 year warranty and the xenon range comes with a 1 year warranty.

Market Sectors

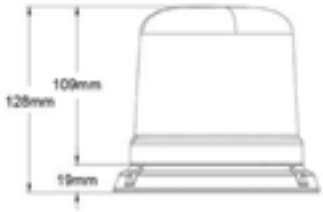
LED BEACONS (3 year Warranty)						
Product	Mount				Colours	Page
Petrel R65 beacon	3 bolt		Magnetic		Amber	9
Fulmar R65 Beacon	DIN pole				Amber	9
Skua R65 beacon	3 bolt				Amber	9
Condor R65 LED beacons Kite LED beacons (CAP168 /ICAO version available)	3 bolt	Magnetic	Single bolt	DIN pole	Amber, red, blue, green	10-11 12-13
Task light					White	18

XENON BEACONS (1 year Warranty)						
Product	3 bolt	Magnetic	Single bolt	DIN pole	Colours	Page
2W & 8W compact beacons					Amber, red, blue, green	14-17

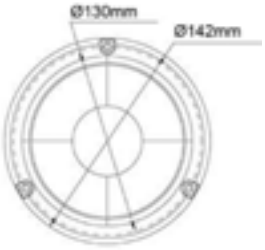
LED BEACONS

PETREL ECE R65 LED BEACON

3 BOLT



MAGNETIC MOUNT

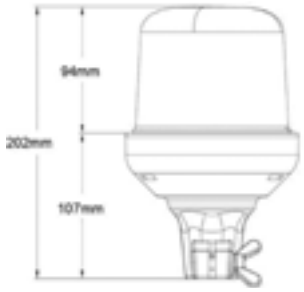


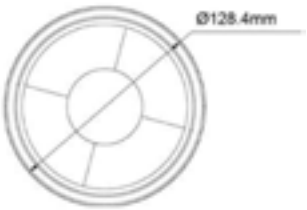
- Dual-voltage 12/24Vdc; operating range 10–32Vdc
- 10 X 3W high intensity diodes
- Certified to ECE R65
- Certified to ECE R10
- Multiple units can be synchronised to flash simultaneously or alternately
- 14 flash patterns
- Impact-resistant and UV-resistant polycarbonate lens

R65

Part Number	Description
SL-42011	Petrel LED 3 bolt
SL-42021	Petrel LED mag mount

FULMAR ECE R65 LED BEACON



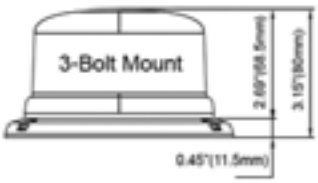


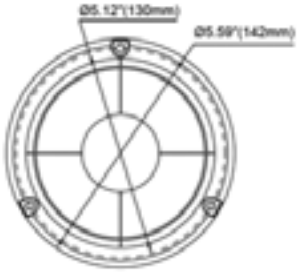
- Dual-voltage 12/24Vdc
- Long life LEDs rated to 100,000 hours of operation
- Reverse polarity protection
- 11 flash patterns
- Certified to ECE R65
- Certified to ECE R10
- Impact and UV-resistant polycarbonate lens

R65

Part Number	Description
SL-42241	Fulmar LED pole mount

SKUA ECE R65 LED BEACON





- Dual-voltage 12/24Vdc; operating range 10–32Vdc
- 8 X 3W high intensity diodes
- Multiple units can be synchronised to flash simultaneously or alternately
- 11 flash patterns
- Certified to ECE R65
- Certified to ECE R10
- Impact and UV-resistant polycarbonate lens
- Low profile R65 beacon

R65

Part Number	Description
SL-42511	SKUA LED 3 bolt

CONDOR R65 BEACON

The Condor R65 LED beacon range is available with the following mounting options:

- Pole mount flexi
- Single bolt flexi
- 3 bolt
- Magnetic

- Certified to ECE R65 (amber)
- Certified to ECE R10
- Dual-voltage 12/24V; operating range 10–30Vdc
- Very low current consumption
- Compact, aesthetically pleasing design
- Impact-resistant and UV-resistant polycarbonate lens
- Utilises 12 high-powered Cree diodes

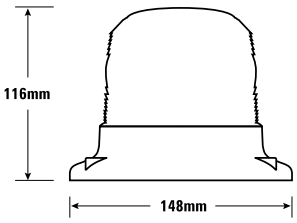
Product	Flash rate (nominal)	Current consumption	IP rating
Condor	126 flashes/min double flash	833mA @ 12Vdc 417mA @ 24Vdc	IP65

Replacement lens kits available for all Condor LED beacons

SL- 49001 - Amber | SL- 49002 - Red | SL- 49003 - Blue | SL- 49005 - Green

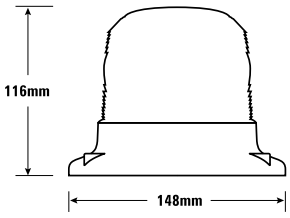
CONDOR R65 12/24V 3 BOLT MOUNT

R65



Part Number	R65	Description
SL-41511	Yes	Condor 3 bolt – amber
SL-41512	No	Condor 3 bolt – red
SL-41513	No	Condor 3 bolt – blue
SL-41515	No	Condor 3 bolt – green

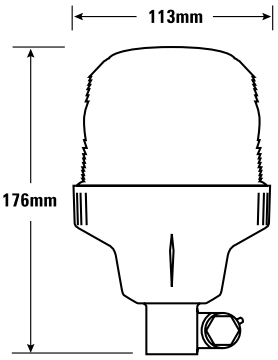
CONDOR R65 12/24V MAGNETIC MOUNT



R65

Part Number	R65	Description
SL-41521	Yes	Condor mag. mount – amber
SL-41522	No	Condor mag. mount – red
SL-41523	No	Condor mag. mount – blue
SL-41525	No	Condor mag. mount – green

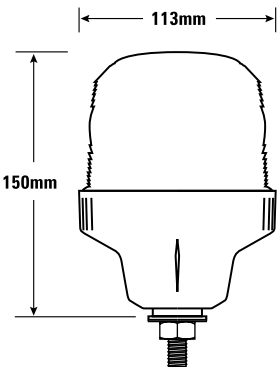
CONDOR R65 12/24V POLE MOUNT



R65

Part Number	R65	Description
SL-41541	Yes	Condor pole mount – amber
SL-41542	No	Condor pole mount – red
SL-41543	No	Condor pole mount – blue
SL-41545	No	Condor pole mount – green

CONDOR R65 12/24V SINGLE BOLT MOUNT



R65

Part Number	R65	Description
SL-41531	Yes	Condor single bolt – amber
SL-41532	No	Condor single bolt – red
SL-41533	No	Condor single bolt – blue
SL-41535	No	Condor single bolt – green

KITE BEACON

The Kite LED beacon range is available with the following mounting options:

Pole mount flexi
Single bolt flexi
3 bolt and magnetic
CAP 168/ICAO versions available for airside use

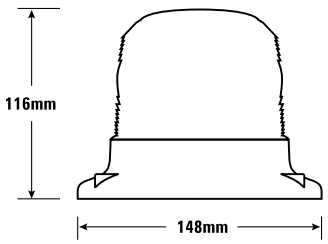
- Dual-voltage 12/24V; operating range 10–30Vdc
- Very low current consumption
- Compact, aesthetically pleasing design
- Impact-resistant and UV-resistant polycarbonate lens
- Certified to ECE R10
- Utilises 4 high-powered Cree diodes

Product	Flash rate (nominal)	Light output	Current consumption	IP rating
Kite	126 flashes/min double flash	40cd	250mA @ 12Vdc 125mA @ 24Vdc	IP65
Kite (CAP 168/ ICAO)	80 flashes/min	40cd		

Replacement lens kits available for all Kite LED beacons

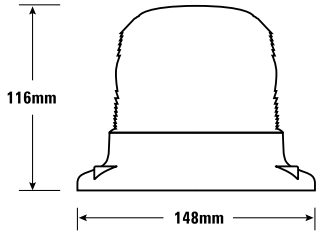
SL- 49001 - Amber SL- 49002 - Red SL- 49003 - Blue SL- 49005 - Green

KITE 12/24V 3 BOLT MOUNT



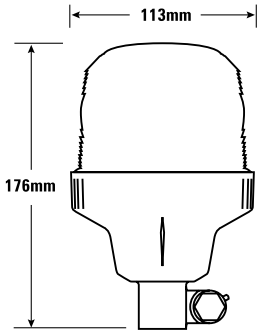
Part Number	Description
SL-41611	Kite 3 bolt – amber
SL-41711	Kite 3 bolt – amber CAP 168/ICAO
SL-41612	Kite 3 bolt – red
SL-41613	Kite 3 bolt – blue
SL-41615	Kite 3 bolt – green

KITE 12/24V MAGNETIC MOUNT



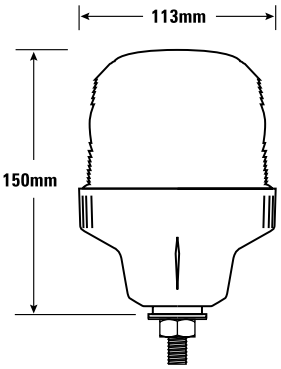
Part Number	Description
SL-41621	Kite mag. mount – amber
SL-41721	Kite mag. mount – amber CAP 168/ICAO
SL-41622	Kite mag. mount – red
SL-41623	Kite mag. mount – blue
SL-41625	Kite mag. mount – green

KITE 12/24V POLE MOUNT



Part Number	Description
SL-41641	Kite pole mount – amber
SL-41741	Kite pole mount – amber CAP 168/ICAO
SL-41642	Kite pole mount – red
SL-41643	Kite pole mount – blue
SL-41645	Kite pole mount – green

KITE 12/24V SINGLE BOLT MOUNT



Part Number	Description
SL-41631	Kite single bolt – amber
SL-41731	Kite single bolt – amber CAP 168/ICAO
SL-41632	Kite single bolt – red
SL-41633	Kite single bolt – blue
SL-41635	Kite single bolt – green

FALCON / EAGLE / OSPREY

Powerful 8W xenon beacon. Pole mount and single bolt options are fitted with a flexible base for shock absorption and vibration protection. Available with the following mounting options:

- 3 bolt mount – Osprey
- Magnetic mount - Osprey
- DIN standard pole mount - Falcon
- Single bolt mount - Eagle

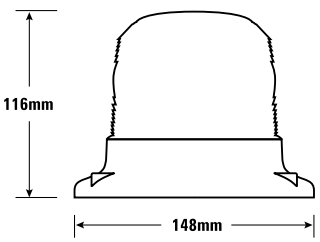
- Dual-voltage 12/24V; operating range 10–30Vdc
- 3,000 operating hours tube life
- Very low current consumption
- Compact, aesthetically pleasing design
- Impact-resistant and UV-resistant polycarbonate lens
- Certified to ECE R10

Product	Flash rate (nominal)	Light output	Current consumption	IP rating	Weight
Falcon / Eagle / Osprey	80 flashes/min	70cd	800mA @ 12Vdc 220mA @ 24Vdc	IP65	DIN pole 315gms Single bolt 290gms 3 bolt 300gms Magnetic 750gms

Replacement lens kits available for ALL XENON beacons

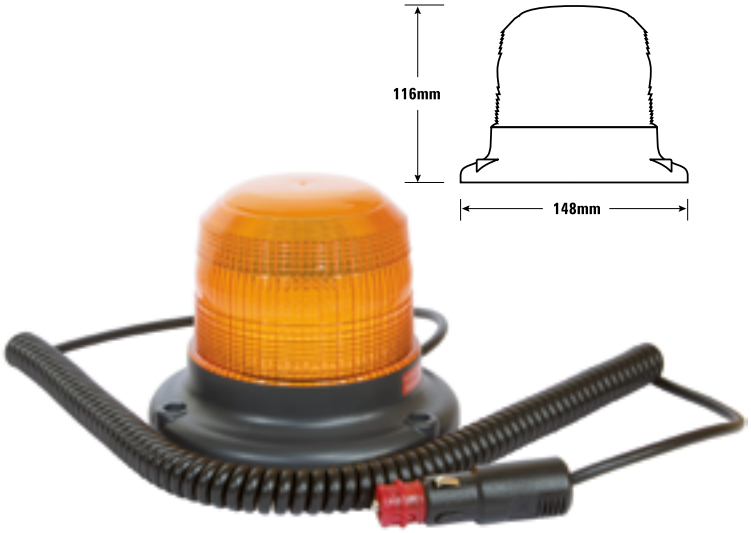
SL- 49001 - Amber SL- 49002 - Red SL- 49003 - Blue SL- 49005 - Green

OSPREY 8W 12/24V 3 BOLT MOUNT



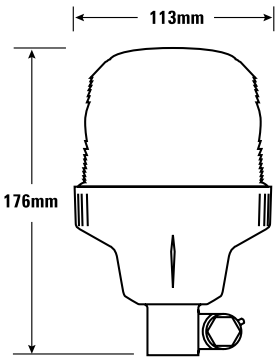
Part Number	Description
SL-40811	Osprey 8W 3 bolt – amber
SL-40812	Osprey 8W 3 bolt – red
SL-40813	Osprey 8W 3 bolt – blue
SL-40815	Osprey 8W 3 bolt – green

OSPREY 8W 12/24V MAGNETIC MOUNT



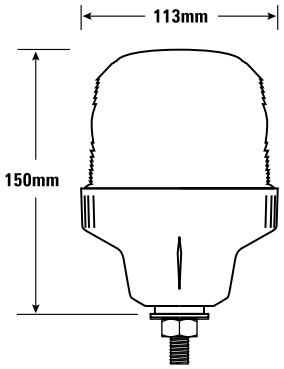
Part Number	Description
SL-40821	Osprey 8W mag. mount – amber
SL-40822	Osprey 8W mag. mount – red
SL-40823	Osprey 8W mag. mount – blue
SL-40825	Osprey 8W mag. mount – green

FALCON 8W 12/24V POLE MOUNT



Part Number	Description
SL-40841	Falcon 8W pole mount – amber
SL-40842	Falcon 8W pole mount – red
SL-40843	Falcon 8W pole mount – blue
SL-40845	Falcon 8W pole mount – green

EAGLE 8W 12/24V SINGLE BOLT MOUNT



Part Number	Description
SL-40831	Eagle 8W single bolt – amber
SL-40832	Eagle 8W single bolt – red
SL-40833	Eagle 8W single bolt – blue
SL-40835	Eagle 8W single bolt – green

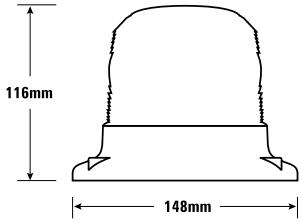
HAWK

A bright, low cost beacon for a wide variety of off-road uses. Pole mount option is fitted with a flexible base for shock absorption and vibration protection. ISO standard 3 bolt, DIN pole and magnetic mount options.

- Dual-voltage 12/24V; operating range 10–30Vdc
- 3,000 operating hours minimum
- Very low current consumption
- Compact, aesthetically pleasing design
- Impact-resistant and UV-resistant polycarbonate lens
- Certified to ECE R10

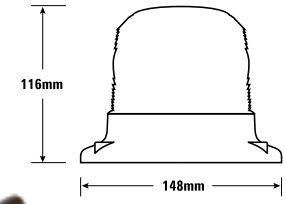
Product	Flash rate (nominal)	Light output	Current consumption	IP rating	Weight
Hawk	75 flashes/min	20cd	165mA @ 12Vdc 55mA @ 24Vdc	IP65	3 bolt 270gms Magnetic 600gms

HAWK 2W 12/24V 3 BOLT MOUNT



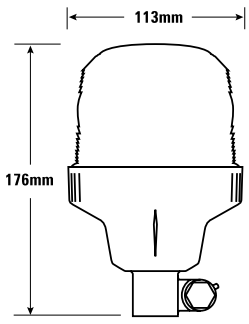
Part Number	Description
SL-40211	Hawk 2W 3 bolt – amber
SL-40212	Hawk 2W 3 bolt – red
SL-40213	Hawk 2W 3 bolt – blue
SL-40215	Hawk 2W 3 bolt – green

HAWK 2W 12/24V MAGNETIC MOUNT



Part Number	Description
SL-40221	Hawk 2W mag mount – amber
SL-40222	Hawk 2W mag mount – red
SL-40223	Hawk 2W mag mount – blue
SL-40225	Hawk 2W mag mount – green

HAWK 2W 12/24V POLE MOUNT



Part Number	Description
SL-40241	Hawk 2W pole mount – amber
SL-40242	Hawk 2W pole mount – red
SL-40243	Hawk 2W pole mount – blue
SL-40245	Hawk 2W pole mount – green

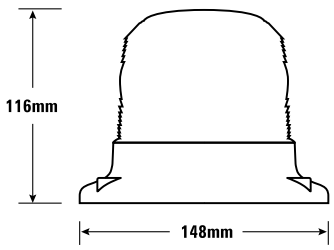
KESTREL

A bright, multi-voltage 10–100Vdc beacon, designed for use on lift trucks, airport terminal trucks, and other battery-powered vehicles. Single bolt option is fitted with a flexible base for shock absorption and vibration protection.

- Multi-voltage 10–100Vdc
- 3,000 operating hours tube life
- Very low current consumption
- Compact, aesthetically pleasing design
- Impact-resistant and UV-resistant polycarbonate lens
- Certified to ECE R10

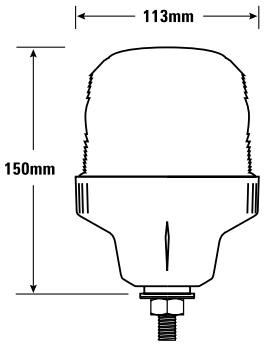
Product	Flash rate (nominal)	Light output	Current consumption	IP rating	Weight
Kestrel	75 flashes/min	20cd	165mA @ 12Vdc 55mA @ 24Vdc	IP65	3 bolt 270gms Single bolt 260gms

KESTREL 2W MULTI-VOLTAGE 3 BOLT MOUNT

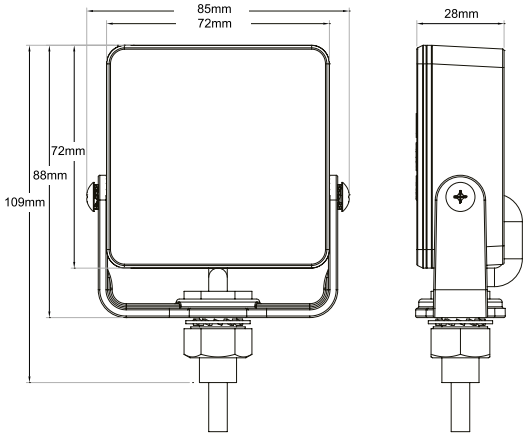


Part Number	Description
SL-40201	Kestrel 2W 3 bolt – amber
SL-40202	Kestrel 2W 3 bolt – red
SL-40203	Kestrel 2W 3 bolt – blue
SL-40205	Kestrel 2W 3 bolt – green

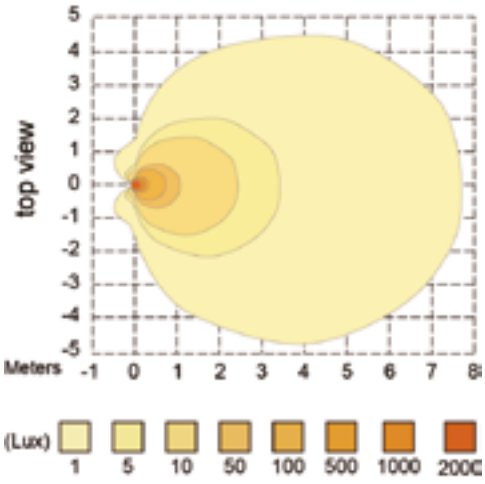
KESTREL 2W MULTI-VOLTAGE SINGLE BOLT MOUNT



Part Number	Description
SL-40206	Kestrel 2W single bolt – amber
SL-40207	Kestrel 2W single bolt – red
SL-40208	Kestrel 2W single bolt – blue
SL-40210	Kestrel 2W single bolt – green



- 4 high intensity white diodes
- Certified to ECE R10
- Compact 72 x 72mm square body design
- Multi-voltage: 9-32Vdc operating range
- 270 lumens measured light output
- Wide flood light pattern
- Fully angle-adjustable bracket mounting
- IP67

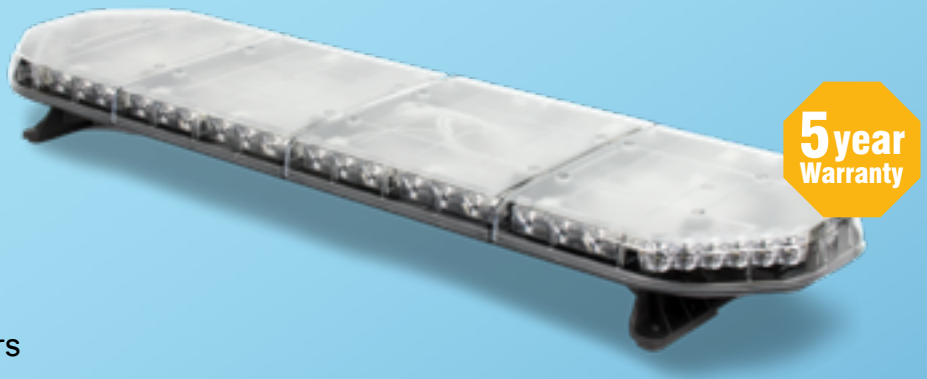


Part Number	Description
SL-09031	LED task light

LED LIGHT BARS

Overview

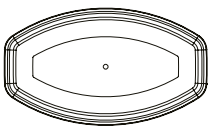
Our certified Solis LED light bar range features multiple configurations and an ease of fitting with plenty of mounting options to choose from. LED light bars come with a 5 year warranty.

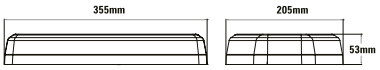


Market Sectors

LED LIGHT BARS			
Product	Image	Colours	Page
Mini LED light bars	Diamondback LED mini-bar	Amber LED diodes	19
Solis LED light bars		Amber, blue, red, green, white LED diodes Amber, blue, red, clear covers	20-23

DIAMONDBACK LED MINI-BAR





- Compact mini-bar 35cm long
- Certified to ECE R65
- Certified to ECE R10
- Dual-voltage 12/24Vdc
- 2 bolt mount and vacuum-magnetic mount versions
- Single bolt mounting kit available separately
- 23 selectable flash patterns
- Multiple units can be synchronised

Part Number	Description
SL-20501	Diamondback LED mini-bar, 2 bolt mount – amber
SL-20511	Diamondback LED mini-bar, vacuum-magnetic mount – amber
SL-20599	Diamondback single bolt mounting kit

SOLIS light bar

ECE R65 ECE R10 SAE J845

- Low-profile mainstream light bar
- Heavy duty extruded aluminium base with polycarbonate housing
- Easy maintenance dome design
- Optional colour lens, illuminated centre section, traffic director, take-down light, and/or alley light
- Light bar lengths ranges from 24” up to 84” (for selected models)

LED light bar 49”

D-Fuser 6LED corner optics provide even light spread for effective 360 degree warning

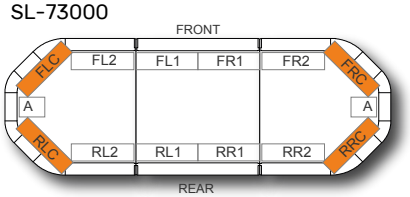
Fresnel 3LED front /rear opticns provide maximum head-on light projection for superior roadside warning

FEATURES

- New 6LED large D-Fuser for corner lightheads.
- New 3LED Fresnel optics for front/rear lightheads.
- Dual-voltage 12/24V, operating range 11-30Vdc
- Easy maintenance and lamp replacement.
- Built-in 7 selectable flash patterns.
- Non-volatile memory recalls last flash pattern used at power up.
- Reverse polarity protection.
- 5 year warranty

LAYOUT

SL-73000



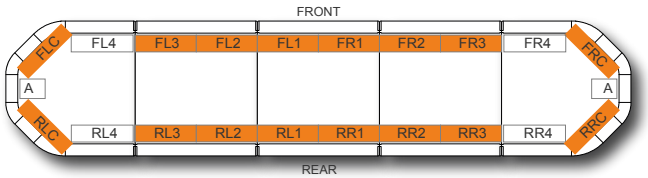
935mm (36")

331mm (13")

59mm (2.3")

- Example light bar (SL-73000) is certified to ECE R65 using the 4 x 6LED large D-Fuser corner lighthead modules and meets all R65 requirements.
- Additional front /rear lighthead modules can be fitted, as required to suit your own configurations. See example (SL-75003)
- Lighthead modules are available in amber / red / blue white and green.

SL-75003



1535mm (60")

331mm (13")

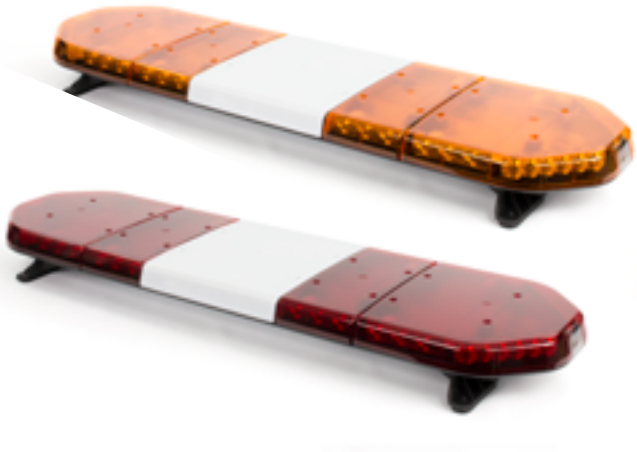
59mm (2.3")

Lighthead Modules

Part Number	Diodes	LED Colour	Modules	Voltage
SL-79011	3	Amber	1	11-30Vdc
SL-79012	3	Red	1	11-30Vdc
SL-79013	3	Blue	1	11-30Vdc
SL-79014	3	White	1	11-30Vdc
SL-79015	3	Green	1	11-30Vdc

EQUIPMENT & COLOURS

LED diode colours – amber, blue, red, white or green
Lens colour – amber, blue, red, clear
Driving lights – stop lights, tail lights, direction indicators
Work lights - Alley lights – LED
Opal centre, LED with or without lettering
Audio – sirens, speaker system
Additional options – flashing red to rear, front take downs (white flashing), traffic directors, cruise mode & dim function



MOUNTING OPTIONS

1

2

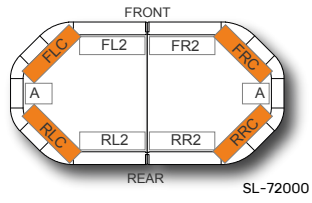
3

4

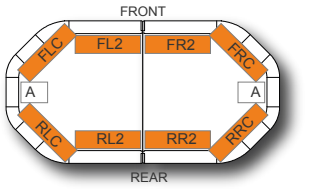
5

Part Number	Image No.	Description
SL-79001	1	Standard feet mount **
SL-79002	2	Adjustable feet mount
SL-79003	3	Flat narrow feet, surface mount
SL-79004	4	Flat wide feet, surface mount
SL-79005	5	Adjustable feet mount - (TYPE B)

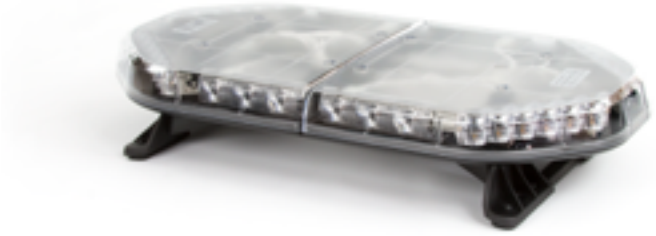
** these are the standard supplied mountings unless specified otherwise. NB. Additional charges will apply for other options.



SL-72000



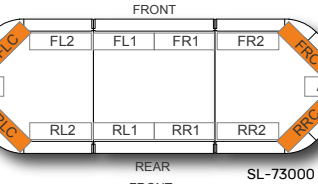
SL-72003



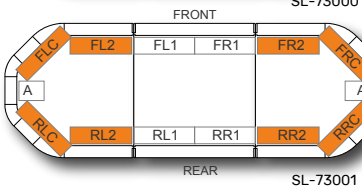
Part Number	LEDs	LED Colour	Modules	Voltage	Plastic Colours		Length (mm)	Length (inches)
					Top Cover	Lenses		
SL-72000	24	Amber	4	11-30Vdc	Clear	Clear	635mm	24"
SL-72003	36	Amber	8	11-30Vdc	Clear	Clear	635mm	24"

635mm (24")

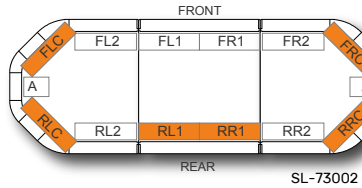
331mm (13")



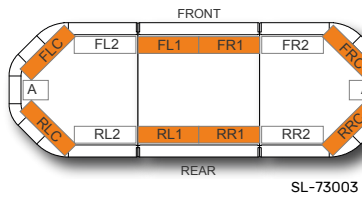
SL-73000



SL-73001



SL-73002

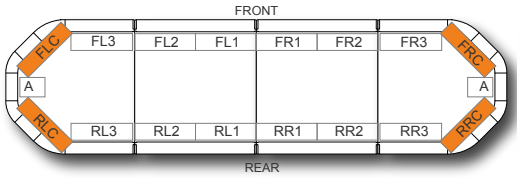


SL-73003

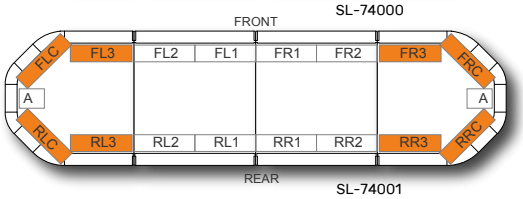
Part Number	LEDs	LED Colour	Modules	Voltage	Plastic Colours		Length (mm)	Length (inches)
					Top Cover	Lenses		
SL-73000	24	Amber	4	11-30Vdc	Clear	Clear	935cm	36"
SL-73001	36	Amber	8	11-30Vdc	Clear	Clear	935cm	36"
SL-73002	30	Amber	6	11-30Vdc	Clear	Clear	935cm	36"
SL-73003	36	Amber	8	11-30Vdc	Clear	Clear	935cm	36"

935mm (36")

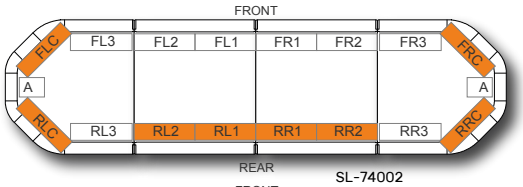
331mm (13")



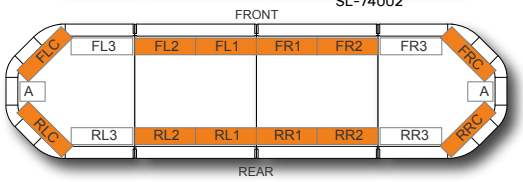
SL-74000



SL-74001



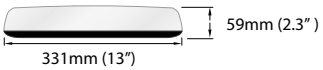
SL-74002



SL-74003

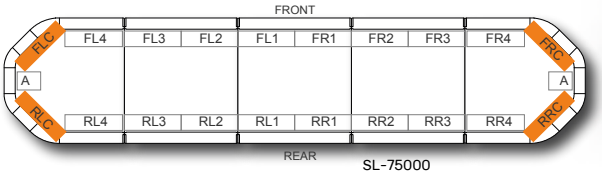
Part Number	LEDs	LED Colour	Modules	Voltage	Plastic Colours		Length (mm)	Length (inches)
					Top Cover	Lenses		
SL-74000	24	Amber	4	11-30Vdc	Clear	Clear	1250mm	49"
SL-74001	36	Amber	8	11-30Vdc	Clear	Clear	1250mm	49"
SL-74002	36	Amber	8	11-30Vdc	Clear	Clear	1250mm	49"
SL-74003	48	Amber	12	11-30Vdc	Clear	Clear	1250mm	49"

1250mm (49")

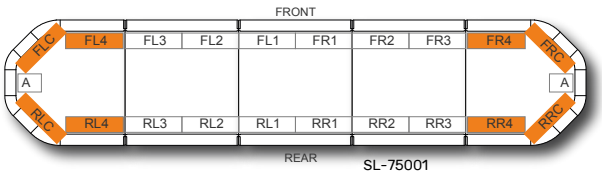


59mm (2.3")

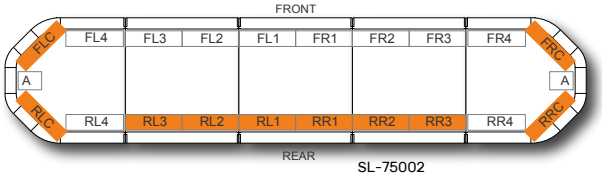
331mm (13")



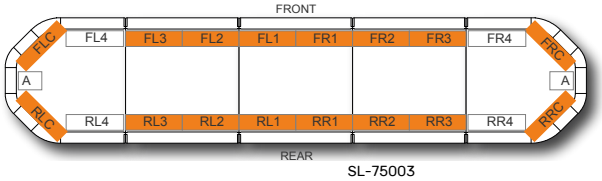
SL-75000



SL-75001



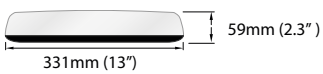
SL-75002



SL-75003

Part Number	LEDs	LED Colour	Modules	Voltage	Plastic Colours		Length (mm)	Length (inches)
					Top Cover	Lenses		
SL-75000	24	Amber	4	11-30Vdc	Clear	Clear	1535cm	60"
SL-75001	36	Amber	8	11-30Vdc	Clear	Clear	1535cm	60"
SL-75002	42	Amber	10	11-30Vdc	Clear	Clear	1535cm	60"
SL-75003	60	Amber	16	11-30Vdc	Clear	Clear	1535mm	60"

1535mm (60.6")



59mm (2.3")

331mm (13")

+44 (0)1296 340045 sales@petersoneurope.co.uk www.petersoneurope.co.uk

Peterson Europe
Standing out from the crowd...
by design, by technology, by quality

Unit D9 Brunel Gate
Telford Close, Aylesbury
Buckinghamshire HP19 8AR, UK