ASM

VISION ALERT®

A Division of ECCO

PRODUCT GUIDE

warning lights   reversing alarms

worklamps   camera systems

A DIVISION OF

ECCO GROUP®

ECCO Group, Europe

ECCO Group, USA

ECCO Group, Australia

Vision Alert has designed and manufactured innovative lighting solutions since 1994, providing customers with enhanced visibility and increased safety worldwide.

As part of the ECCO Group, one of the world's leading manufacturers of reversing alarms and lighting products and sister company to Hazard Systems, the Australian market leader in lighting products for the emergency services, Vision Alert can draw on years of specialist expertise in the industry.

More recently the ECCO Group has expanded with the purchase of Preco

Safety Products, a leading US manufacturer of vehicle safety products and Delta Design, the European market leader in xenon technology and industrial warning safety.

Vision Alert operates from a purpose-built, 3,000m^2 state-of-the-art facility in Leeds servicing our customers in a wide variety of markets including OEMs, construction, agriculture, recovery, utilities and the emergency services.

Guide to Symbols used throughout this catalogue

Fittings

- = 1 Bolt
- or = 2 Bolt
- = 3 Bolt
- **EU** = 3 Bolt European fitting
- **US** = 3 Bolt US fitting
- = 4 Bolt fitting
- = Magnetic
- = DIN Pole
- = DIN Flexi
- = 1 Bolt Flexi
- = Product supplied without bulb. Please order 12V or 24V bulb as required.

Other Symbols

- **A** = Amps
- = Flashes per minute
- = Dimensions
- = Height
- = Approvals
- **W** = Watts
- **dB(A)** = Decibels
- **16** = Flash Patterns
- **1** = Standard light output <1,000 Lumens
- **2** = High performance light output 1,000 - 2,000 Lumens
- **3** = Ultra performance light output 2,000+ Lumens

- **LED** = LED module
- **LED** = RotoLED module
- **LED** = LED module
- = Xenon module
- = Rotator module
- = Halo™ round module
- **W** = Worklamp
- = Safety Director
- **S T** = Stop, Tail Lights
- **S T I** = Stop, Tail, Indicator Lights
- **LED S T I** = LED Stop, Tail, Indicator Lights

- = Mirror
- = Stud Connector plus ground
- = Stud Connector
- = Lead Wire
- **R65** = ECE R65 approved
- **SAE 1** = Meets US SAE Class 1 output
- **SAE 2** = Meets US SAE Class 2 output
- **SAE 3** = Meets US SAE Class 3 output
- EMC = The relevant Electro-Magnetic Compatiiblity approvals have been granted for these products. May include "e" ECE R10 or CE national equivalents.
- IPxx = Ingress protection. xx denotes protection level.

Contents

LED products from Vision Alert represent the cutting edge of warning light technology. LEDs are durable solid-state devices that are highly resistant to extreme environments, shock and vibration. This coupled with Vision Alert's robust housing designs provide fit-and-forget warning solutions with maintenance- free longevity of many years.

Major LED advantages

Safety: LEDs have extremely fast on/off times, reaching their peak brightness instantaneously which makes them perfect for attention getting warning applications.

Efficiency: LEDs are highly energy efficient, requiring much lower current draw... up to 90% less than a conventional lamp. Not only does this reduce strain on the electrical system extending the life of the battery and alternator, in many applications it saves fuel and engine wear as vehicles no longer have to idle to keep warning lights running and the battery charged.

Longevity: Typically LEDs are rated to last for more than 50,000 hours of "on time" so lamps will operate for many years before needing a replacement. Savings on operating costs can be extreme when vehicle down time, replacement parts and labour costs are factored in. Fuel savings often present the greatest savings as the need to idle a work vehicle too operate warning lights is eliminated.

Size and Features: Even the most powerful LEDs are extremely small, typically no bigger than a match head. In turn the housings for LED products can be much smaller than conventional lighting fixtures. Many LED warning lights also offer advanced features like intensity adjustment, multiple flash patterns and the ability to synchronise products with each other to create unique warning systems.

Types of LEDS

Types of LEDS
There are 3 main types of high intensity LEDs. Each emits a different Radiation Pattern using a Primary Optic placed over the LED.

Lambertian
Named as their light output obeys Lambert's cosine law, a Lambertian LED has peripheral intensity directly proportional to the cosine of the angle from which it is viewed. In lay terms the LED produces a very bright focused beam, typically within 20º. This is the most common type used in warning lights.

Batwing
The Batwing pattern emits light typically within 45º and contains a low level of forward light output and a significant level of sideways light output. It is so named as the pattern resembles a bats wing when viewed on a polar plot. This is considered the optimal pattern for room lighting.

Side-Emitting
The Primary Optic attached to a Side Emitting LED has an hour glass shape which directs the majority of light from the LED out the side. This type is typically used in flashlights where a reflector is used around the LED to focus the light beam as desired.

Top 5 LED myths

LEDs last forever!
LEDs fade slowly over time rather than suddenly fail completely, a process known as Lumen Depreciation. While they don't last forever, well designed LED products can have operating lives of 50,000 hours, that's nearly 6 years of constant on time.

LEDs aren't as bright as other light sources!
The accepted method of comparing lumen (lm) output of conventional lamps and LEDs is misleading as it fails to account for wasted light and the design of the housing. A better measure is delivered light, the amount that is actually projected by a product, this is measured in lux (lx). In this comparison, good quality LED products typically perform significantly better while consuming far less energy.

3-watt LEDs are brighter than 1-watt LEDs!
People are used to determining light output based on watts due to the ratings on incandescent bulbs, more watts = more light. This is not true of LEDs. Bulbs are inefficient and the only way their output can be increased is to increase power input (wattage). LEDs are highly efficient and different housings and materials can vastly affect the amount of delivered light regardless of wattage.

LEDs don't generate heat!
LEDs produce no Infrared energy so the beam of light they produce is cool. However the LED itself generates lots of waste heat converting electricity into light. Waste heat must be efficiently removed from an LED product to maximize performance and avoid damage to the LEDs. Heat removal is accomplished via carefully engineered heat sinks that draw heat away from the LED and dissipate it into the surrounding air.

LED products cost too much!
Initial cost for LED products may be higher for some lighting solutions but this does not account for total cost of ownership. Long, maintenance free service lives and low power consumption mean that the total cost of buying and operating an LED product is typically much less than conventional lighting.
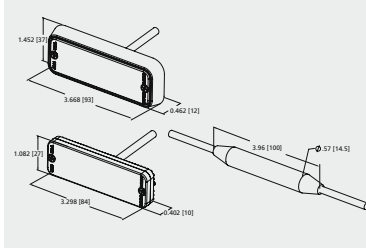
Directional LEDs

With the new additions to the range and the incorporation of Delta Design products, Vision Alert boasts the largest range of Directional LED lamps on the market today. Whether the need is for large or compact, standard output, high output ECE R65 approved, flush mount or bracket mount, the range covers every need. Featuring 15 different product groups and countless colour and performance options, there's never been a range quite like this.

Included in the range are compact 3510, 3730 and Stick-A-LED products. There is the original Hide-A-LED range, the world's first discreet headlamp mounted warning lamps. Alongside are the flush mount 3931/32 lamps, high output SecuriLEDs, 3700 and new 3811 lamps, the unique Rearguard LED (along with the xenon option), the all-new 3600 series of interior mount front dash and rear window deck mounted lamps and finally the original VigiLED and the new ECCO designed lamp, the VigiLED II.
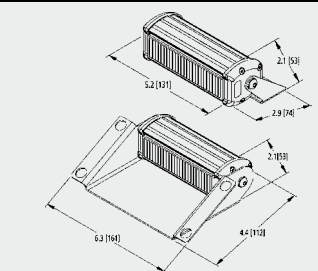
3510 Surface Mount

	Volts	Max Current	Colour
3510A	12V	0.75A	Amber
3510B	12V	0.75A	Blue
3510R	12V	0.75A	Red
3510C	12V	0.75A	White

16 Flash patterns **EMC** Compact slimline solution.
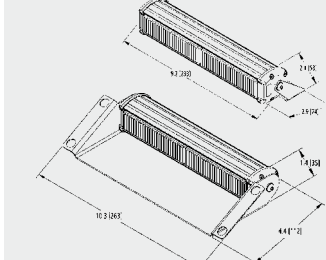
3611 Single Head Grille/Deck/Dash & Window Mount LEDs

	Volts	Max Current	Colour
3611A	12/24V	0.55A	Amber
3611B	12/24V	0.55A	Blue
3611R	12/24V	0.55A	Red
3611C	12/24V	0.55A	White

25 Flash patterns **EMC** Other colours available.

3612 Double Head Grille/Deck/Dash & Window Mount LEDs

	Volts	Max Current	Colour
3612AA	12/24V	1.0A	Amber
3612BB	12/24V	1.0A	Blue
3612RR	12/24V	1.0A	Red
3612CC	12/24V	1.0A	White

25 Flash patterns **EMC** Other colour combinations available.

3700 Series LED
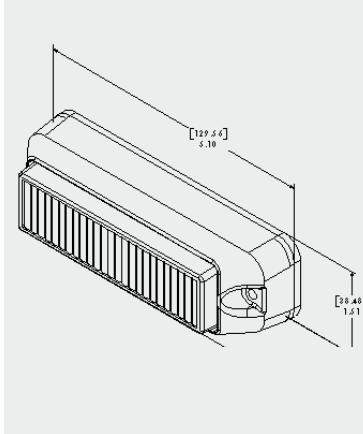
	Volts	Max Current	Colour
SILVER HOUSING:			
100.363	12V	0.4A	Amber
100.364	12V	0.4A	Blue
100.366	24V	0.2A	Amber
100.367	24V	0.2A	Blue
BLACK HOUSING:			
3715A	12V	0.4A	Amber
3715B	12V	0.4A	Blue
3725A	24V	0.2A	Amber
3725B	24V	0.2A	Blue

[129.6]
5.10

[28.48]
1.61

Heavy duty, hard-wearing proven performance
• Die cast aluminium housing • LEDs rated at 100,000 hours operation • Other colours available
• Can be synchronised • Operating temps range: -30°C to 50°C • 4 wide angled LED optics

9 Flash patterns   ✓ EMC

3730 Series LED
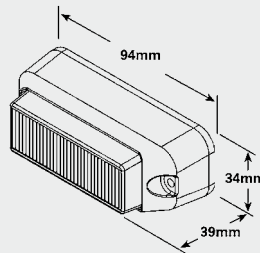
	Volts	Max Current	Colour
100.460	12/24V	0.2A	Amber
100.461	12/24V	0.2A	Blue
100.462	12/24V	0.2A	Red

94mm

34mm

39mm

Heavy duty compact design
As 3700 but with following differences:• 3 wide angled LED optics • 14 flash patterns including 3
integral alternating flash modes • Other colours available • Aluminium housing

14 Flash patterns   ✓ EMC

3736 Series LED
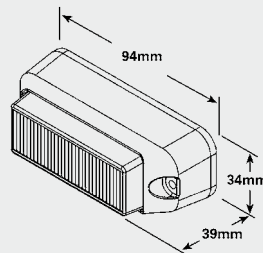
	Volts	Max Current	Colour
3736A	12/24V	0.2A	Amber
3736B	12/24V	0.2A	Blue
3736R	12/24V	0.2A	Red

94mm

34mm

39mm

Cost-effective solution • Other colours available • ABS housing

11 Flash patterns   ✓ EMC

Fixing Kits for 3730 and 3736
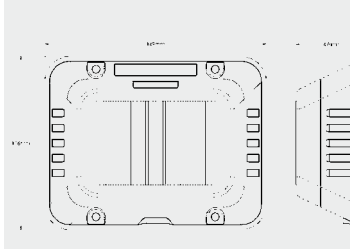
100.470	100.473	100.472
Universal	Window	Deck

Directional LEDs

Securi LED

R65
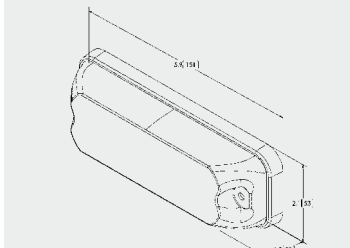
	Surface Mount	Bracket Mount	Max Current	Colour
	497032	497042	1.5A	Amber
	497034	497044	1.5A	Blue
	497033*	497043*	1.5A	Red
	497031*	497041*	1.5A	White

* Non ECE R65

Perfect where a large light footprint and high output is needed

IP67, EMC ✓

3811 Series LED

SAE 2
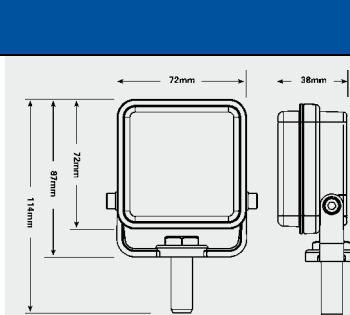
		Volts	Max Current	Colour
3811A		12/24V	0.26A	Amber
3811B		12/24V	0.26A	Blue
3811R		12/24V	0.26A	Red
3811C		12/24V	0.26A	White

Super-bright, long range directional warning
• 20 individual high intensity LEDs • Thirteen flash patterns
• Clear polycarbonate housing

7 ⚡ Flash patterns   IP67, EMC ✓

VigiLED
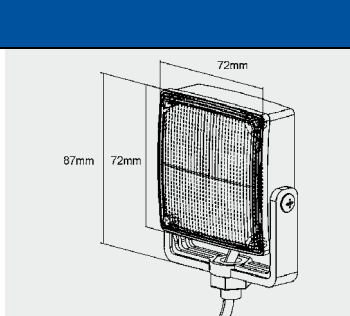
		Volts	Max Current	Colour
497022		12/24V	0.12A	Amber
497024		12/24V	0.12A	Blue
497023		12/24V	0.12A	Red
497021		12/24V	0.12A	White

The original and favourite large square light footprint
• Triple flash • Synchronise and alternating synchronise
• Flush or pendant mount

IP69K, EMC ✓

VigiLED II

SAE 2

		Volts	Max Current	Colour
ED0001A		12/24V	0.7A	Amber
ED0001B		12/24V	0.7A	Blue
ED0001R		12/24V	0.7A	Red
ED0001C		12/24V	0.7A	White

Amber and blue versions have ECE R65 compatible output

The VigiLED brought up to date with 4 high power LEDs
• Four high-intensity LEDs • Synchronise and alternating synchronise
• Flush or pendant mount
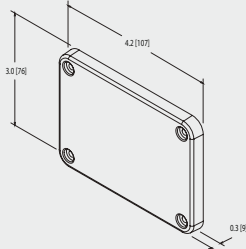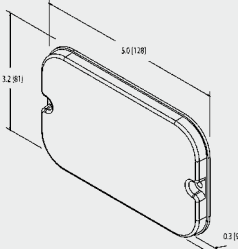
24 ⚡ Flash patterns   IP67, EMC ✓
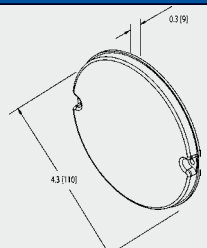
Directional LEDs
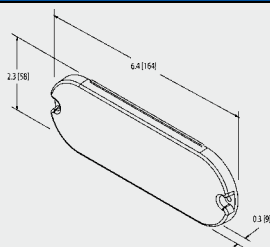
3900 Series designed for applications requiring flush mounting at only 9mm deep
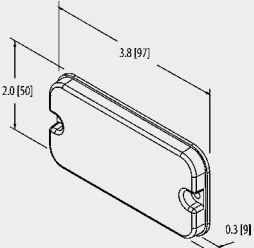
3930 Surface Mount LED

	Volts	Max Current	Colour
3930A	12V	0.8A	Amber

15 Flash patterns

Black bezel :	**A3930BZB**
Chrome bezel :	**A3930BZC**

3910 Surface Mount LED

	Volts	Max Current	Colour
3910A	12V	0.8A	Amber

15 Flash patterns

3912 Surface Mount LED

	Volts	Max Current	Colour
3912A	12V	0.8A	Amber

15 Flash patterns

3911 Surface Mount LED

	Volts	Max Current	Colour
3911A	12V	0.8A	Amber

15 Flash patterns

• Extremely thin design • Optional chrome or black bezel (3930 only) • 15 flash patterns • Other colours available

3931 Series Surface Mount LED

	Volts	Max Current	Colour
3931A	12V	0.5A	Amber
3931C	12V	0.5A	White

16 Flash patterns

Directional LEDs

3932 Series Surface Mount LED

1.5 [38]   5.1 [129]

0.3 [9]

		Volts	Max Current	Colour
3932A		12V	0.5A	Amber
3932C		12V	0.5A	White

16 Flash patterns

Black bezel : **A3932BZB**
Chrome bezel : **A3932BZC**

- Compact high intensity LED warning signal • Synchronisation capable
- Optional chrome or black bezel

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2 Bolt

LP LED	LP 5W Xenon
30000260	30115270
30000460	30115470
30000360	30115370
30000160	30115170
30000560	30115570

A 0.1A 60FPM IP67, EMC

A 0.5A 75FPM IP67, EMC

- Synchronisable • 12-48V • ABS base and polycarbonate lens

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3 Bolt

Rearguard LED	Rearguard Xenon
497001	426002
	426004
	426003
	426001

A 0.145A 75FPM EMC

A 0.38A 75FPM EMC

63mm
148mm
Drilling for Panel Mounting (ISO 4148)
4 holes 7mm dia.   120°
130 mm dia.
120°
Cable entry
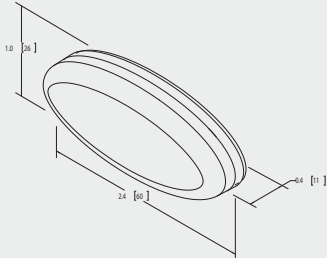
Popular design for intense rear warning, vertical mount
- 12/24V • Up to 8 units can be sychronised
- ABS base and polycarbonate lens
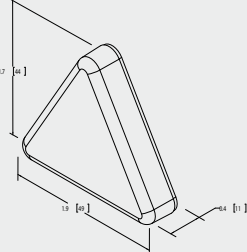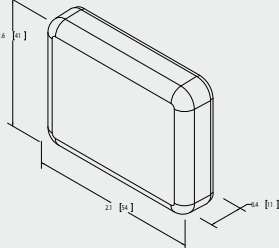
Stick-A-LED™

A superb high-intensity design that provides a slim profile, different shape options and easy self-adhesive mounting

Stick-a-LED Oval, 3 LED, Quad Flash

	Volts	Max Current	Colour	Lumens
ED0002A	12/24V	0.45A	Amber	120
ED0002B	12/24V	0.45A	Blue	45
ED0002R	12/24V	0.45A	Red	120
ED0002C	12/24V	0.45A	White	180
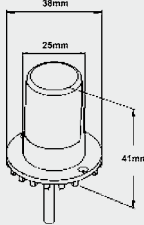
✓ IP66, EMC

Stick-a-LED Triangle, 3 LED, Quad Flash

	Volts	Max Current	Colour	Lumens
ED0003A	12/24V	0.45A	Amber	120
ED0003B	12/24V	0.45A	Blue	45
ED0003R	12/24V	0.45A	Red	120
ED0003C	12/24V	0.45A	White	180
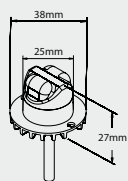
✓ IP66, EMC

Stick-a-LED Rectangle, 6 LED, Quad Flash

	Volts	Max Current	Colour	Lumens
ED0004A	12/24V	0.9A	Amber	240
ED0004B	12/24V	0.9A	Blue	90
ED0004R	12/24V	0.9A	Red	240
ED0004C	12/24V	0.9A	White	360

✓ IP66, EMC
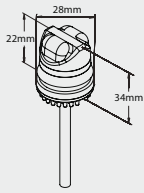
- Utilises latest LEDs
- Uses self-adhesive pads to mount
- Panel mounted only requires 7mm diameter clearance hole for wires
- Quad flash
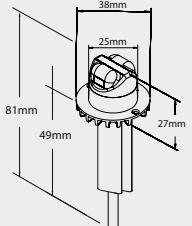
Hide-A-LED Directional LEDs
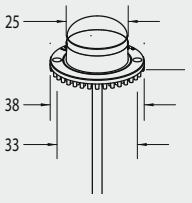
HAL 9010

	Volts	Max Current	Colour
9010A	12V	0.35A	Amber
9010C	12/24V	0.5A	White

16 Flash patterns ✓ EMC   Other colours available.

Collar mount with directional warning signal

38mm / 25mm / 41mm

HAL 9011

	Volts	Max Current	Colour
9011A	12V	0.35A	Amber
9011C	12/24V	0.5A	White

16 Flash patterns ✓ EMC   Other colours available.

Collar mount with 4 LEDs

38mm / 25mm / 27mm

HAL 9031

	Volts	Max Current	Colour
9031A	12V	0.35A	Amber
9031C	12/24V	0.5A	White

16 Flash patterns ✓ EMC   Other colours available.

25mm pop in.
No fasteners needed

28mm / 22mm / 34mm

HAL 9013

	Volts	Max Current	Colour
9013A	12V	1.25A	Amber
9013C	12/24V	1.25A	White

16 Flash patterns ✓ EMC   Other colours available.

Highest light output 6 LEDs

38mm / 25mm / 81mm / 49mm / 27mm

HAL 9014

	Volts	Max Current	Colour
9014A	12/24V	0.7A	Amber
9014C	12/24V	0.7A	White

16 Flash patterns IP67, EMC   Other colours available.

Includes collar for surface mounting
• Head/rear light applications
• Collar or pop-in 25mm hole mount
• Synchronisation capable
• In-line waterproof driver module

25 / 38 / 33
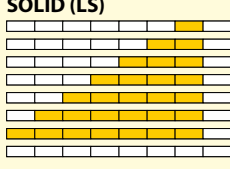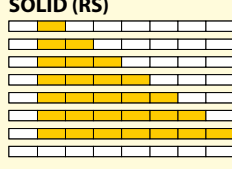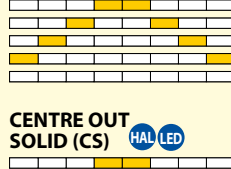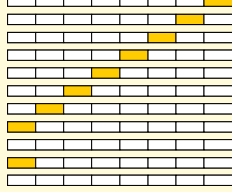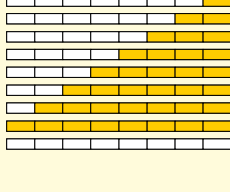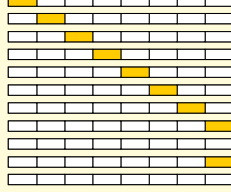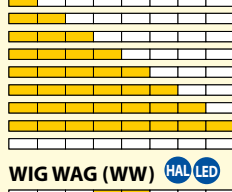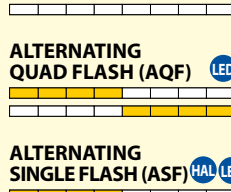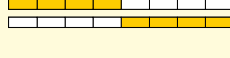
Safety ➔➔➔
Director™

LED 3410 Safety Director

		Volts	Max Current	Cable Length
3410A		**12V**	**3.0A**	**4.5m**

SAE 1

IP67, EMC

Additional cable lengths
15ft cable : **3410-15**
35ft cable : **3410-35**
55ft cable : **3410-55**

- Extruded aluminum housing with polycarbonate lens • Eight reflective modules with six LEDs
- Temperature Range: -30°C to +50°C • Auxiliary output to add secondary warning light units or worklamps via the control pad

Halogen Safety Director

		Volts	Max Current	Cable Length
100.202		**12V**	**18A**	**1.2m**

SAE 1

- 8 User selectable flash patterns to warn oncoming traffic of potential hazards
- Hi/Lo Intensity switch • Temperature range: -30°C to + 50°C

Safety Director Flash Patterns

LEFT ARROW (L) HAL

LEFT ARROW SOLID (LS) HAL

RIGHT ARROW (R) HAL

RIGHT ARROW SOLID (RS) HAL

CENTRE OUT (C) HAL LED

CENTRE OUT SOLID (CS) HAL LED

LEFT (L) LED

LEFT SOLID (L) LED

RIGHT (R) LED

RIGHT SOLID (RS) LED

ALTERNATING QUAD FLASH (AQF) LED

WIG WAG (WW) HAL LED

ALTERNATING SINGLE FLASH (ASF) HAL LED

KEY

HAL Pattern available for Halogen Safety Directors

LED Pattern available for LED Safety Directors

Beacons

Vision Alert offers a beacon for all applications, including a comprehensive range of on and off highway models, medium and heavy duty, agricultural and industrial.

Comprising more than 25 different beacon models and endless variations of colour and mounting, the latest range includes traditional halogen, reliable xenon strobe and the latest developments in LED technology to bring you solutions for every conceivable application.

ROTATING BEACONS

Trusted by our customers over the past 20 years, the Vision Alert 400 and 500 series rotating beacons feature super quiet, long life bearing assemblies, coupled to *Free-form* optics to increase light by around 20% and are ECE R65 approved where applicable.

FREE-FORM OPTICS

The more powerful and larger square beam created by *free-form* optics

Typical beam pattern

Rotator Module
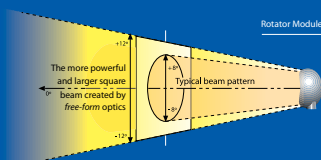
LED BEACONS

As LEDs become more cost-effective and with improved performance, LED beacons are becoming more and more the sought after technology for warning lights. New additions include the ECE R65 400 series LED beacon designed to complement the R65 xenon range. Of importance to our overseas customers Vision Alert now has SAE Class 1, Class 2 and Class 3 LED beacons, superior in performance and comparable in price to the traditional xenon equivalents.

XENON STROBE BEACONS

With a longer life than rotators, strobes offer exceptional performance in demanding environments. Now available in outputs ranging from low power 2W beacons for minimum disruption in low light confined spaces, through to US SAE Class 1 and ECE R65 high output versions. Whether it's style, performance, size or price there is a xenon strobe beacon for every application.

Beacons

Inside every Vision Alert beacon you will find a wealth of technology backed up by relentless testing to the demanding ECCO Group standards.

Compact beacons feature:

- Xenon power outputs from 2W to 15W available
- Mid range LED available as an alternative to xenon
- 5 mounting options

400 and 500 series xenon/LED beacons feature:

- Standard double flash or high output LED
- Replaceable long life xenon tube or long life LED
- 7 mounting options
- ECE R65

400 and 500 series rotating beacons feature:

- 55W or 70W halogen bulb option
- Ultra quiet rotator bearing and drive belt assembly
- 7 mounting options
- ECE R65

Heavy duty xenon beacons feature:

- High profile lens for maximum visibility
- Long-life flash tube assembly
- Up to 5 mounting options
- ECE R65
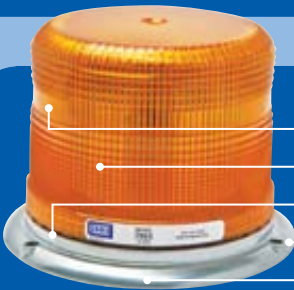
Heavy duty LED beacons feature:
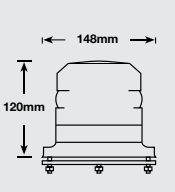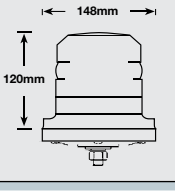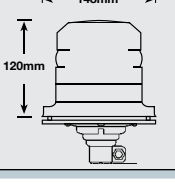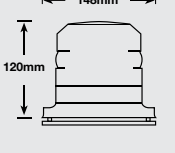
- SAE light output approved options
- Reliable ultra-long life
- Secure 3 bolt mounting for rugged operations
- Adaptor available for European 3 bolt mounting
- Strong die-cast metal base options available as well as ABS
- Magnetic option

Special purpose beacons feature:

- Incandescent bulb or new state-of-the-art LED in static flash beacons compliant with airport regulations CAP 168
- Compact and robust designs that have set industry standards around the world
- Voltage ranges up to 100V for electric vehicle use, depending on the beacon
- LED and xenon options for high voltage applications
- Up to 5 mounting options depending on the beacon
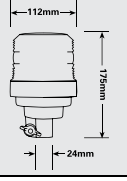
Compact Beacons

		Alpha (2W) Xenon	Beta (6W) Xenon	Delta (15W) Xenon	Value LED (1.5W)
3 Bolt	148mm / 120mm	12/24V **420012** A 0.145A ✓ EMC	12/24V **468012** A 0.6A ✓ EMC	12/24V **470002** A 1.5A ✓ EMC	12/24V **100.495** A Max 0.3A ✓ EMC
1 Bolt	148mm / 120mm	12/24V **420022** A 0.145A ✓ EMC	12/24V **468082** A 0.6A ✓ EMC	12/24V **470012** A 1.5A ✓ EMC	12/24V **100.494** A Max 0.3A ✓ EMC
DIN Pole Mount	148mm / 120mm	12/24V **420002** A 0.145A ✓ EMC	12/24V **468002** A 0.6A ✓ EMC	12/24V **470032** A 1.5A ✓ EMC	
Mag Mount	148mm / 120mm	12/24V **420042** A 0.145A ✓ EMC	12/24V **468022** A 0.6A ✓ EMC	12/24V **470017** A 1.5A ✓ EMC	12/24V **100.496** A Max 0.3A ✓ EMC

All the above beacons are single flash except the LEDs which are Quad flash.

Durastrobe
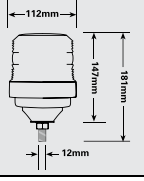
A 5W Xenon amber beacon with flexible pole mount base, suitable for construction plant, contracting and agricultural vehicles.

Durastrobe		12/24V
	112mm / 175mm / 24mm	**466002**
A 0.356A	✓ EMC	

Gamma

A 6W Xenon amber beacon with flexible single bolt base, suitable for fleet, road maintenance, agriculture, construction plant, utilities, large vehicles and refuse trucks.

Gamma		12/24V
	112mm / 147mm / 181mm / 12mm	**468092**
A 0.34A	✓ EMC	
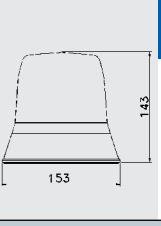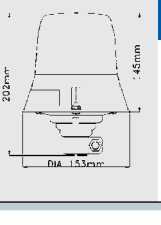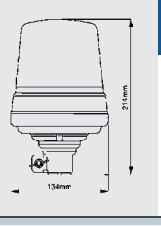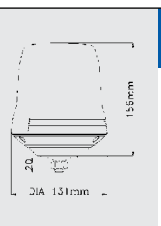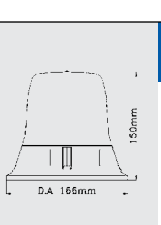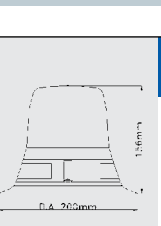
- Dual voltage 12/24V
- Vibration protected circuit and impact resistant lens
- Very low power consumption
- Long life and maintenance free
- High voltage transient and polarity reversal protection
- Operating temperature: -20°C to +55°C

400 Series Beacons

	Rotators R65			Xenons R65			LEDs R65	
	12/24V	12V	24V	Econ 12/24V	x2 12/24V	R65 12/24V	Econ 12/24V	R65 12/24V
3 Bolt (143 / 153)	403.000 — A 4.6/2.3A	403.001 — ✓ EMC	403.002	5E3.000* — A Max 2.5A *non ECE R65	583.2D0* — ✓ EMC	573.200	5L3.204* — A 0.2A	V11050 — A 1.5A ✓ EMC
1 Bolt (143 / DIA 153)	401.000 — A 4.6/2.3A	401.001 — ✓ EMC	401.002	5E1.000* — A Max 2.5A *non ECE R65	581.2D0* — ✓ EMC	571.200	5L1.204* — A 0.2A	V11052 — A 1.5A ✓ EMC
DIN Pole Mount (202mm / 45mm / DIA 153mm)	402.000 — A 4.6/2.3A	402.001 — ✓ EMC	402.002	5E2.000* — A Max 2.5A *non ECE R65	582.2D0* — ✓ EMC	572.200	on request — A 0.2A	V11056 — A 1.5A ✓ EMC
Flexi DIN Pole (211mm / 134mm)	404.000 — A 4.6/2.3A	404.001 — ✓ EMC	404.002	5E4.000* — A Max 2.5A *non ECE R65	584.2D0* — ✓ EMC	574.200	5L4.204* — A 0.2A	V11055 — A 1.5A ✓ EMC
1 Bolt Conical (156mm / DIA 131mm)	408.000 — A 4.6/2.3A	408.001 — ✓ EMC	408.002	5E8.000* — A Max 2.5A *non ECE R65	588.2D0* — ✓ EMC	578.2Q0	on request — A 0.2A	V11051 — A 1.5A ✓ EMC
Mag 50 (50mph/80kph) (150mm / D.A 166mm)	407.000 — A 4.6/2.3A	407.001 — ✓ EMC	407.002	5E7.000* — A Max 2.5A *non ECE R65	587.2D0* — ✓ EMC	577.200	5L7.204* — A 0.2A	V11053 — A 1.5A ✓ EMC
Mag 70 (70mph/112kph) (D.A 200mm)	400.000 — A 4.6/2.3A	400.001 — ✓ EMC	400.002	5E0.000* — A Max 2.5A *non ECE R65	580.2D0* — ✓ EMC	570.200	on request — A 0.2A	V11054 — A 1.5A ✓ EMC

Available colour: ■ ■ ■* ■* ■*

*non ECE R65   For Spare Parts please see pages 24/25

500 Series Beacons
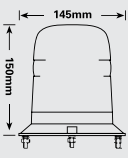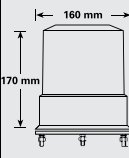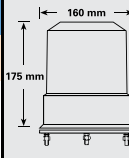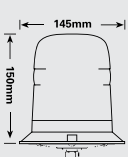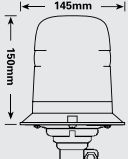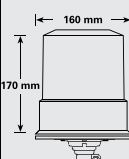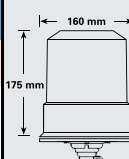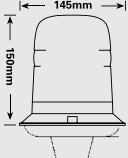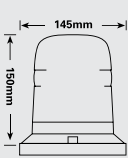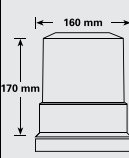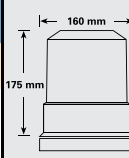
Rotators R65 | Xenons

3 Bolt

	12/24V ⚡	12V	24V		⚡x2 10-48V
	503.000	503.001	503.002		513.0D0
	A 4.6/2.3A ✓ EMC				A Max 1A ✓ EMC

178mm, DIA 153mm

1 Bolt

	12/24V ⚡	12V	24V		⚡x2 10-48V
	501.000	501.001	501.002		511.0D0
	A 4.6/2.3A ✓ EMC				A Max 1A ✓ EMC

183mm, 20, DIA 153mm

DIN Pole Mount

	12/24V ⚡	12V	24V		⚡x2 10-48V
	502.000	502.001	502.002		512.0D0
	A 4.6/2.3A ✓ EMC				A Max 1A ✓ EMC

238mm, 153mm

Flexi DIN Pole

	12/24V ⚡	12V	24V		⚡x2 10-48V
	504.000	504.001	504.002		514.0D0
	A 4.6/2.3A ✓ EMC				A Max 1A ✓ EMC

247mm, 182mm, DIA 144mm

1 Bolt Conical

	12/24V ⚡	12V	24V		⚡x2 10-48V
	508.000	508.001	508.002		518.0D0
	A 4.6/2.3A ✓ EMC				A Max 1A ✓ EMC

190mm, 20, DIA 131mm

Mag 50
50mph/80kph

	12/24V ⚡	12V	24V		⚡x2 10-48V
	507.000	507.001	507.002		517.0D0
	A 4.6/2.3A ✓ EMC				A Max 1A ✓ EMC

185mm, DIA 166mm

Mag 70
70mph/112kph

	12/24V ⚡	12V	24V		⚡x2 10-48V
	500.000	500.001	500.002		510.0D0
	A 4.6/2.3A ✓ EMC				A Max 1A ✓ EMC

190mm, DIA 200mm

Available colour:

🟠 🔵 🔵* 🔴* 🟢*   *non ECE R65

For Spare Parts please see pages 24/25

Heavy Duty Xenon Beacons

Lunar R65 | Solar R65 | Turbo R65

3 Bolt

Lunar — 145mm × 150mm
12/24V — **493002** — A — 1.5A — EMC

Solar — 160 mm × 170 mm
12/24V — **470090** — A — 1.25A — EMC

Turbo — 160 mm × 175 mm
12/24V — **470042** — A — 1.25A — EMC

1 Bolt

Lunar — 145mm × 150mm
12/24V — **493012** — A — 1.5A — EMC

DIN Pole Mount

Lunar — 145mm × 150mm
12/24V — **493032** — A — 1.5A — EMC

Solar — 160 mm × 170 mm
12/24V — **470094** — A — 1.25A — EMC

Turbo — 160 mm × 175 mm
12/24V — **470047** — A — 1.25A — EMC

Flexi DIN Pole

Lunar — 145mm × 150mm
12/24V — **493042** — A — 1.5A — EMC

Mag Mount

Lunar — 145mm × 150mm
12/24V — **493022** — A — 1.5A — EMC

Solar — 160 mm × 170 mm
12/24V — **470092** — A — 1.25A — EMC

Turbo — 160 mm × 175 mm
12/24V — **470045** — A — 1.25A — EMC

Available colour:

* * *

*non ECE R65
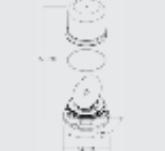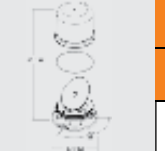
7660 Series LED Hybrid

Heavy duty hybrid LED rotating warning signal. Direct drive rare-earth magnetic motor, encapsulated electronics for protection against dust, moisture and vibration.

ROTO**LED**™

3 Bolt RotoLED	US	12-24V
SAE 1		**7660A**
		7660CA
		7660CC
A 2.1A **☀** 125FPM **✓** EMC		Other colours available
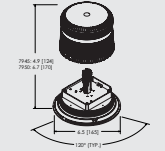
Magnetic RotoLED		12-24V
SAE 1		**7660A-VM**
		7660CA-VM
		7660CC-VM
A 2.1A **☀** 125FPM **✓** EMC		Other colours available
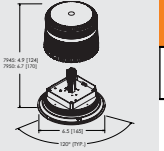
CA models = clear lens/amber illumination.
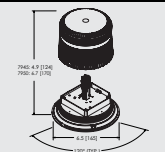
7900 Series LED
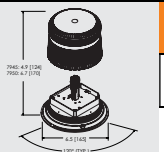
Pulse 8 (8 flash per cycle) flash pattern.

pulse® II

3 Bolt	US	12-48V
		7945A
		7945C
A 1.5A **☀** 75FPM **✓** EMC SAE 2		

Magnetic		12-48V
		7945A-VM
		7945C-VM
A 1.5A **☀** 75FPM **✓** EMC SAE 2		

3 Bolt	US	12-48V
		7950A
		7950C
A 1.5A **☀** 75FPM **✓** EMC SAE 2		

Magnetic		12-48V
		7950A-VM
		7950C-VM
A 1.5A **☀** 75FPM **✓** EMC SAE 2		

3 Bolt	US	12V
		7965A
		7965C
A 2.4A **☀** 75FPM **✓** EMC SAE 2		

Magnetic		12V
		7965A-VM
		7965C-VM
A 2.4A **☀** 75FPM **✓** EMC SAE 2		

3 Bolt	US	12V
		7970A
		7970C
A 2.4A **☀** 75FPM **✓** EMC SAE 2		

| Magnetic		12V
		7970A-VM
		7970C-VM
A 2.4A **☀** 75FPM **✓** EMC SAE 2		

Features
- Aluminium base on 7965 and 7970 versions
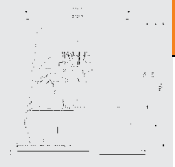- Adaptor plate available to convert US style 3-bolt pattern to EU fittings

High Profile Lens

1 Bolt LED		12/24V
		V11001
		Other colours available on request

A 0.9A   ✓ EMC   R65
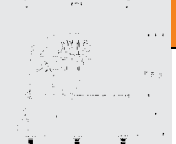
3 Bolt LED	EU	12/24V
		V11002
		Other colours available on request

A 0.9A   ✓ EMC   R65

Mag 70 LED *70mph/112kph*		12/24V
		V11003
		Other colours available on request

A 0.9A   ✓ EMC   R65

Flexi LED		12/24V
		V11004
		Other colours available on request

A 0.9A   ✓ EMC   R65
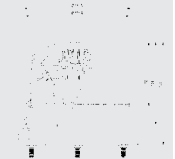
Low Profile Lens

1 Bolt LED		12/24V
		V11005
		Other colours available on request

A 0.9A   ✓ EMC   R65

3 Bolt LED	EU	12/24V
		V11006
		Other colours available on request

A 0.9A   ✓ EMC   R65

Mag 70 LED *70mph/112kph*		12/24V
		V11007
		Other colours available on request

A 0.9A   ✓ EMC   R65
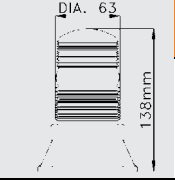
Flexi LED		12/24V
		V11008
		Other colours available on request

A 0.9A   ✓ EMC   R65
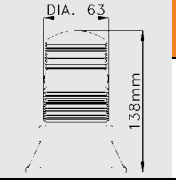
LED Low Profile Flash & Rotate Function Beacon	EU	12/24V
		V11022
		Other options available on request

A 0.9A   ✓ EMC   R65   * Flash and simulated rotate function (not R65 approved when using rotate function).
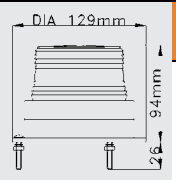
Mini Vision
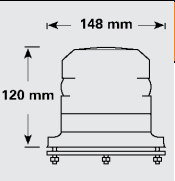
Ideal for industrial and material handling applications.
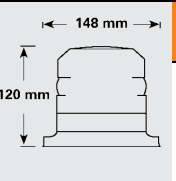
2 Bolt Xenon
12-80V

	6220A

DIA. 63
138mm

A · 0.3A · 85FPM · EMC

2 Bolt LED
12-80V

	6262A

DIA. 63
138mm

A · 0.3A · 85FPM · EMC · SAE 3

3 Bolt Xenon
12-80V

|	
	6410A

DIA 129mm
94mm · 26

A · 0.3A · 70FPM · EMC

3 Bolt LED
12-80V

	6465A

DIA 129mm
94mm · 26

A · 0.45A · 75FPM · EMC · SAE 3
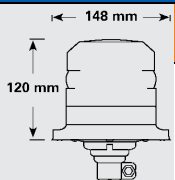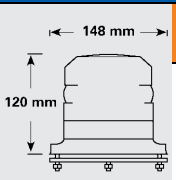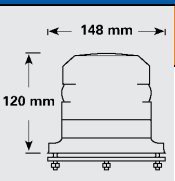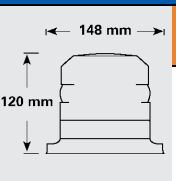
3 Bolt Husky Pup 2W Xenon
12-80V

	469040

148 mm
120 mm

A · 0.14A · 75FPM · EMC

Magnetic Husky Pup 2W Xenon
12-80V

	469086

148 mm
120 mm

A · 0.14A · 75FPM · EMC

DIN Pole Husky Pup 2W Xenon
12-80V

	469082

148 mm
120 mm

A · 0.14A · 75FPM · EMC

3 Bolt Husky, 5W Xenon
12-80V

	469012

148 mm
120 mm

A · 0.36A · 75FPM · EMC

3 Bolt Husky LED
12-80V

	469087

148 mm
120 mm

A · 0.36A · 75FPM · EMC

Magnetic Husky LED
12-80V

	469088

148 mm
120 mm

A · 0.36A · 75FPM · EMC

For Spare Parts please see pages 24/25

Static Flash Beacon

• Recommended for airport use • Conforms to CAP168 and ICAO regulations • Supplied with incandescent bulb or new state-of-the-art LED.

400 Series / LED / 500 Series

		12V	24V	12/24V			12V	24V
3 Bolt		5C3.201	5C3.202	V11050.168			523.001	523.002
		A 1.75A@12V 0.87A@24V	✓ EMC	A 1.5A@12V	✓ EMC		A 1.75A@12V 0.87A@24V	✓ EMC
1 Bolt		5C1.201	5C1.202	V11052.168			521.001	521.002
		A 1.75A@12V 0.87A@24V	✓ EMC	A 1.5A@12V	✓ EMC		A 1.75A@12V 0.87A@24V	✓ EMC
Flexi DIN Pole		5C4.201	5C4.202	V11055.168			524.001	524.002
		A 1.75A@12V 0.87A@24V	✓ EMC	A 1.5A@12V	✓ EMC		A 1.75A@12V 0.87A@24V	✓ EMC
Mag 70 70mph/112kph		5C0.201	5C0.202	V11054.168			520.001	520.002
		A 1.75A@12V 0.87A@24V	✓ EMC	A 1.5A@12V	✓ EMC		A 1.75A@12V 0.87A@24V	✓ EMC

Low Power Rotator Beacons

23W 3 Bolt Beacon		12V
R65		307.000
A 1.9A@12V	150FPM	✓ EMC	24V bulb option available. See Spare Parts on p.24

23W Flexi DIN		12V
R65		309.000
A 1.9A@12V	150FPM	✓ EMC	24V bulb option available. See Spare Parts on p.24

Agriculture Beacons

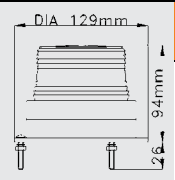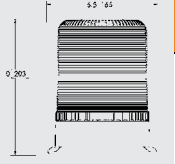| **Flexi DIN**		12/24V
R65		304.000
A 4.6A@12V 3A@24V	150FPM	✓ EMC	Bulb 55W H1 (12Vdc) 70W H1 (24Vdc)

Available in amber only.

For Spare Parts please see pages 24/25

Other Special Purpose Beacons

High Profile Beacon
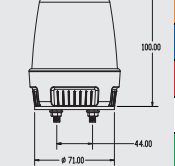
3 Bolt	US	12/24V
		100.580
		Bulb 55W H1 (12Vdc) 70W H1 (24Vdc)

| A
4.6A@12V
2.3A@24V | 113FPM | EMC | Rotator takes H1 style halogen bulb – sold separately. |
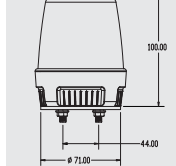
Low Profile Mini Beacon

A compact directional Xenon/LED beacon. Suitable for many vehicle applications including fleet, cars, delivery, refuse trucks, large vehicles, road maintenance, recovery, utilities, road safety, plant and contracting.

LP Beacon 5W Xenon	12/24V
	30115270
	30115470
	30115370
	30115170
	30115570

| A
0.35A | 75FPM | IP67, EMC |

LP Beacon LED	12/24V
	30000260
	30000460
	30000360
	30000160
	30000560

| A
0.1A | 60FPM | IP67, EMC |
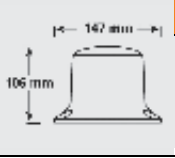
LT Beacon 5W Xenon	12/24V
	31115270
	31115470
	31115370
	31115170
	31115570

| A
0.5A | 75FPM | IP67, EMC |

LT Beacon LED	12/24V
	31000260
	31000460
	31000360
	31000160
	31000560

| A
0.2A | 60FPM | IP67, EMC |

• Dual voltage 12/24V • Synchronous flash capability on some models • Vibration protected circuit • Polycarbonate lens and base
• High voltage transient and polarity reversal protection fitted • Operating temperature: -20°C to +50°C (Xenon version)

Orion
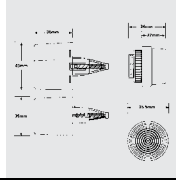
A bright, multivoltage, amber LED beacon with low power consumption.

Orion LED Beacon	EU	12-80V
		498001

| A
0.35A | 65FPM | IP65, EMC |

• Multivoltage 10 - 100Vdc • Clear lens with amber coloured LEDs
• Bright, intense '6 burst' LED flash • Low power consumption

Microstrobe VQ

A compact and reliable high intensity warning light for in vehicle applications.

Microstrobe VQ	12-80V
	425082
	425083
	425084

| A
0.19A | 75FPM | EMC |

• Simple to install in 22mm drilled hole • Polycarbonate lens unit, ABS back box
• High voltage transient and polarity reversal protection fitted
• Operating temperature: -20°C to +50°C

400 Series Rotator

910.323	910.321	910.322	910.325	910.324	950.448	950.466	RPK999.556
					12V 55W	24V 70W	

500 Series Rotator

910.156	910.154	910.152	910.155	910.153	910.151	950.448	950.466	RPK999.555
ECE R65						12V 55W	24V 70W	

400 Series Xenon

910.131	910.284	910.462	910.134	910.133	910.138	999.223	960.055
ECE R65	ECE R65						ECE R65

500 Series Xenon

910.156	910.154	910.152	910.155	910.153	910.151	999.223
REG 65						

Static Flash 400 and 500 Series

910.138	910.151	950.290	950.382
		24V	12V

Mini Vision

910.085	910.086	910.087	910.088	R6200FT	6410FT

Special Purpose Beacons

910.323	910.321	910.322	910.325	910.324	950.448	950.466	RPK999.554	999.223	960.055
					12V	24V			ECE R65
910.131	910.284	910.462	910.134	910.133	910.138	910.396	910.397	910.398	910.399
ECE R65	ECE R65								

Other Beacons

950.448	950.466	950.476	950.477	ADPTK01
12V	24V	12V 21W	24V 21W	
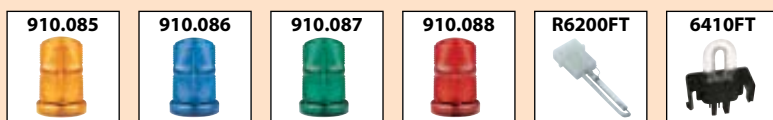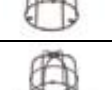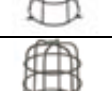
Other spares may be available on request.

Beacon Spare Parts

Product	Beacon	Clear	Amber	Red	Blue	Green
RB Lens Kit	Alpha/Beta/Delta/Durastrobe/Gamma/Husky/HuskyPup	517001	517002	517052	517053	517005
SQ Lens Kit	Rearguard	517091	517092	517093	517094	517095
EL Lens Kit	Turbo Star	517021	517026	517023	517027	517025
SC Lens Kit	Solar Star	–	517010	–	517011	–
ZB LensKit	Zeta Star	–	517122	517123	517124	517125
LB Lens Kit	Lunar Star	–	517122	–	517124	–
PU Lens Kit	Pup2	–	517127	–	–	–
Hedgehog Lens Kit	Hedgehog	–	517102	517103	–	–
Pulsar Lens Kit	Pulsar	–	517032	517034	–	–
Replacement Circuit	AlphaStar/HuskyPup/Pup2	RPK160-0128-00	–	–	–	–
Replacement Circuit	Beta Star	RPK160-0129-00	–	–	–	–
Replacement Tube	Delta Star	570009	–	–	–	–
Replacement Tube	Solar Star, Turbo Star	570080	–	–	–	–
Replacement Tube	Zeta Star	593005	–	–	–	–
Replacement Tube	Lunar Star	593001	–	–	–	–

Beacon Accessories

Part Number		Description	Alpha Star Beta Star Delta Star	Zeta Star Lunar Star	Solar Star Turbo Star	Durastrobe	Rearguard Hedgehog	Husky Husky Pup Pup2	Orion
521036		Mag Kit/Cable/Cigar DIN Plug	✓					✓	
521022		Triple Mag Kit		✓	✓				
521015		Single Bolt Kit	✓	✓			✓	✓	
521019		Single Bolt Kit			✓				
521024		Pole Mount Kit	✓	✓	✓			✓	
521048		Flexible Pole Mount Kit	✓	✓	✓				
521018		Mounting Bracket	✓	✓	✓		✓	✓	✓
521027		Backing Plate	✓		✓				
521033		Protector Guard	✓					✓	✓
521053		Protector Guard		✓					
521021		Protector Guard			✓				
521040		Protector Guard					✓		
521043		Surface/Side Entry Kit					✓		

Minibars

Choose from four styles of minibar for the cost-effectiveness of a beacon combined with the visibility and performance of a full size lightbar. These compact bars are up to 400mm long, perfect for easy fitting to smaller vehicles or a magnetic mount option where drilling is unsuitable.

BLAZE

The original Blaze Bar features a high profile (142mm), high visibility lens, whilst the ultra-quiet bearing assembly makes this the industry leader in low noise rotator devices. Choose from rotator or high power xenon options – both available with ECE R65 approval.

BLAZE II

The Blaze II minibar features a high visibility ribbed lens and modern low profile design at a height of only 110mm. Choose from ECE R65 rotator or double flash xenon, with magnetic or permanent 1 bolt and 2 bolt mounting.

PULSAR XENON

A choice of ECE R65 or low cost xenon minibars with either synchronised or alternating strobes. Suitable for many vehicle applications. Available as magnetic or permanent 2 bolt mount.
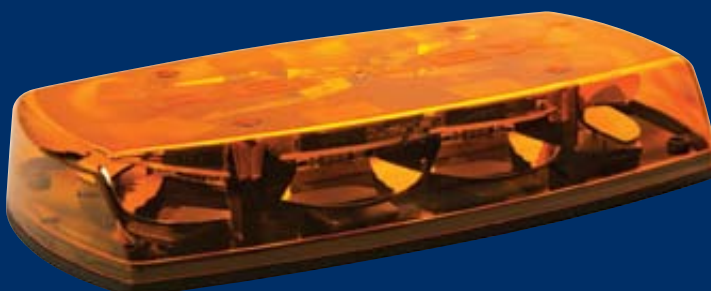
REFLEX™

The latest LED minibars from ECCO provide a 70mm high compact yet powerful warning solution offering the flexibility of either 1 or 2 bolt or magnet mounting and the choice of 18 user-selectable flash patterns. Available as a high output 5580 model or the new 5565 super-bright ECE R65 model.

Blaze, Blaze II and Value LED Minibars

Blaze Rotating Minibars (R65) | Blaze II Rotating Minibars (R65)

	12V	24V		12V	24V
2 Bolt	701.001	701.002		601.AA01	601.AA02
	A 9.2A@12V 4.6A@24V · 160FPM · ✓ EMC			A 9.2A@12V 4.6A@24V · 160FPM · ✓ EMC	
1 Bolt	701.001.Y	701.002.Y		601.AA01.Y	601.AA02.Y
	A 9.2A@12V 4.6A@24V · 160FPM · ✓ EMC			A 9.2A@12V 4.6A@24V · 160FPM · ✓ EMC	
Mag Mount	701.001.BAA	701.002.BAA		601.AA01.M	601.AA02.M
	A 9.2A@12V 4.6A@24V · 160FPM · ✓ EMC			A 9.2A@12V 4.6A@24V · 160FPM · ✓ EMC	

Blaze Xenon Minibars | Blaze II Xenon Minibars

	x2 12/24V	x4 12/24V	12/24V (R65)		x2 12/24V	x4 12/24V
2 Bolt	711.000*	741.000*	7F1.000		611.AA00	641.AA00
	A 2.0A · ✓ EMC				A 2.8A · ✓ EMC	
1 Bolt	711.000.Y*	741.000.Y*	7F1.000.Y		611.AA00.Y	641.AA00.Y
	A 2.0A · ✓ EMC				A 2.8A · ✓ EMC	
Mag Mount	711.000.BAA*	741.000.BAA*	7F1.000.BAA		611.AA00.MAAA	641.AA00.M
	A 2.0A · ✓ EMC				A 2.8A · ✓ EMC	

Other options available.   *non ECE R65

Blaze Value LED Minibars

		12/24V
	1 Bolt	65.00203
	2 Bolt	65.00202
A 0.2A · ✓ EMC	**Mag Mount**	65.00204

Pulsar Xenon

• Dual voltage 12/24V • High voltage transient and polarity reversal protection fitted • Polycarbonate base and lens

Fixed Mount	12/24V
R65	**483002**
	483004
A 3A · 120FPM · EMC	Double flash

Magnetic Mount	12/24V
R65	**483012**
	483014
A 3A · 120FPM · EMC	Double flash
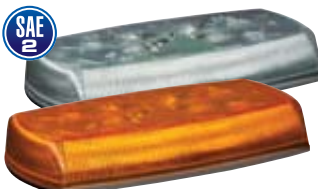
Fixed Mount	12/24V
	483022
	483024
A 1.1A · 120FPM · EMC	Single Alternating flash

Magnetic Mount	12/24V
	483032
	483034
A 1.1A · 120FPM · EMC	Single Alternating flash
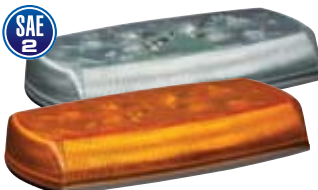
Reflex LED Minibar

• Compact, low profile minibar available in single bolt, 2 bolt or magnet mount
• Polycarbonate base and low profile lens
• Magnet versions feature two factory fitted vacuum-magnets and 4.5m cable with universal plug with additional pattern selection switch.
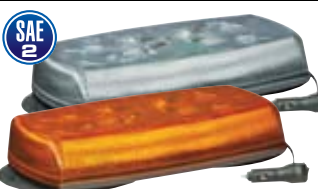
• 18 user-selectable flash patterns (not on 5565 models)
• Low current draw and a long, maintenance free life
• Temperature range: -30°C to +50°C

• Other colours available on request

5580 1 Bolt	12/24V
SAE 2	**5580A-VA1**
	5580CA-VA1
	A 3.5A · EMC

5565 1 Bolt	12/24V
R65	**5565A-VA1**
	5565CA-VA1
	A 5.1A · EMC

5580 2 Bolt	12/24V
SAE 2	**5580A-VA2**
	5580CA-VA2
	A 3.5A · EMC

5565 2 Bolt	12/24V
R65	**5565A-VA2**
	5565CA-VA2
	A 5.1A · EMC

5580 Mag Mount	12/24V
SAE 2	**5580A-VAMAG**
	5580CA-VAMAG
	A 3.5A · EMC

5565 Mag Mount	12/24V
R65	**5565A-VAMAG**
	5565CA-VAMAG
	A 5.1A · EMC

Lightbars

Vision Alert offers an extensive range of lightbars, all manufactured in the UK with Vision Alert quality and backed by Vision Alert's high standard of customer service. New for 2013 are the 5 Series, 15 Series Lux, 65 Series LED and the innovative 70 Series LED rotator bars. Vision Alert also offers a bespoke design and build service to cater for the requirements of any application.

5 SERIES

Derived from the Delta Design programme and adopting the 5 Series configuration, this lightbar range features the traditional xenon light source and is now complemented with a rotator version – both of which are ECE R65 approved. The longest opal centre section available on any of our bars allows for numerous signage options. Vision Alert has driven down costs whilst retaining the simplicity and reliability of the original design to make this a truly cost-effective bar.

15 SERIES

Still regarded as THE solution for ultra-low profile bars, at only 50mm tall the 15 Series LED lightbar offers high intensity LED warning with modern, low profile aerodynamic styling. New for 2013 we have updated the range to include an opal centre section and high power Lux LED modules which achieves ECE R65 performance. Available in Class I and Class II with optional configurations also available.

60 SERIES

The 60 Series lightbar is a high performance, cost-effective lightbar solution offering a wide choice of lighting options. Since its launch Vision Alert has designed over 2,000 different combinations and variations of this bar for discerning customers across the world. Custom centre section signage options are available on request. Clear and amber lens options.

65 SERIES

The 65 Series now offers a mid-profile lightbar solution with a recognised and trusted aluminium base, state-of-the-art LED and optic technology that makes this the brightest ECE R65 approved bar in the Vision Alert range.

70 SERIES

The 70 Series lightbar offers an economical yet effective high profile lighting solution. This bar has been widely regarded as being the definitive lightbar in Europe for the past ten years. Vision Alert has designed and produced over 3,000 variations of this bar. Now 2013 sees the launch of the 70 Series RotoLED option that brings this bar into the 21st Century and is a unique innovative design solution only available from Vision Alert. ECE R65 approved option in amber.

Create your own

Complete design, build and testing service from Vision Alert

We have over 4,000 lightbar designs already filed and ready to build, but if you can't find the bar of your choice in this catalogue then we can build one for you to your exact specifications.
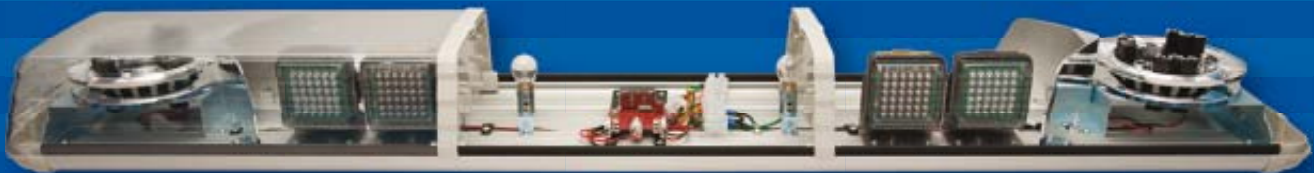
Lightbar

Shown below are some of the component options available for lightbars.
For advice and more information call our Customer Services hotline!

☎ **+44 (0)113 237 5340**

Opal centre with optional sign writing

Coloured lids

Stop, tail indicator

LED Stop, tail indicator

VigiLED
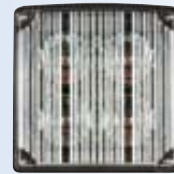
VigiLED II

Alley lights

Face Head module

**High output
ECE R65 LEDs**

**High output double LED modules
Face unit**

Worklamp

Magnetic base

Siren

Centre illumination

Rotator

RotoLED

ECE R65 amber xenon

ECE R65 Class II xenon

Other options on request.

5
SERIES

R65

Features

- Dual voltage 12/24V
- Double flash end strobes or rotators
- Five lengths available: 610, 860, 1110, 1360 and 1610mm
- Long life Xenon flash tubes
- Quiet and reliable belt drive on rotators
- Certified to ECE R65
- High voltage transient and polarity reversal protection fitted
- Illuminated centre section available
- Various mounting options available

Bespoke options available

- Worklights
- Magnetic base
- VigiLEDs
- Alley lights
- Signage on request
- Centre illumination
- Integrated siren option available 40W or 80W

Bespoke lightbars can be designed on request

If the specification you need for a lightbar isn't shown in this catalogue, we can make one for you.

Simply contact Customer Service to discuss your requirements and our design team will create a bar best suited to your needs.

5 Series Lightbars

610mm / 24"

2 Xenon

R65

	12/24V **490001**
⊕ Illuminated ⊕	✔ EMC

2 Xenon

R65
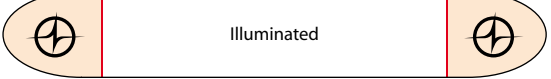
	12V **490003** 24V **490007**
⊕ Illuminated ⊕	✔ EMC

2 Xenon, Magnetic

R65

	12V **491003** 24V **491007**
⊕ Illuminated ⊕	✔ EMC

2 Rotators

R65

	12V **5-00001-V** 24V **5-00002-V**
↻ Illuminated ↻	✔ EMC

860mm / 34"

2 Xenon

R65

	12V **490013** 24V **490017**
⊕ Illuminated ⊕	✔ EMC

Bespoke lightbars can be designed on request.

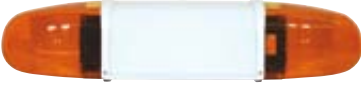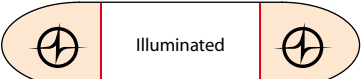If the specification you need for a lightbar isn't shown in this catalogue, we can make one for you.
Simply contact Customer Service to discuss your requirements and our design team will create a bar best suited to your needs.
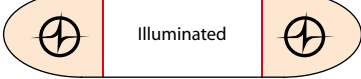
5 Series Lightbars
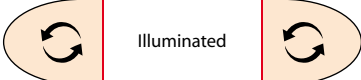
860mm / 34"

2 Xenon, Magnetic

R65
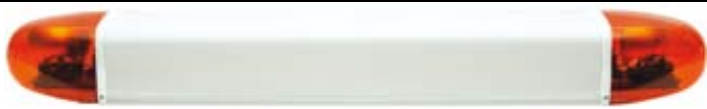
	12V **491013**
	24V **491017**

⊕ Illuminated ⊕

✓ EMC

2 Rotators

R65

	12V **5-00003-V**
	24V **5-00004-V**

↻ Illuminated ↻

✓ EMC

1110mm / 44"

2 Xenon

R65

	12/24V **490026**

⊕ ⊕

✓ EMC

2 Xenon

R65

	12V **490028**
	24V **490038**

⊕ Illuminated ⊕

✓ EMC

2 Rotators

R65

	12V **5-00005-V**
	24V **5-00006-V**

↻ Illuminated ↻

✓ EMC

Bespoke lightbars can be designed on request.

If the specification you need for a lightbar isn't shown in this catalogue, we can make one for you.
Simply contact Customer Service to discuss your requirements and our design team will create a bar best suited to your needs.

1360mm / 53.5"

⊕ 2 Xenon		
R65		12/24V **490047**
	⊕ | | ⊕	✓ EMC

⊕ 2 Xenon		
R65		12V **490041** 24V **490051**
	⊕ | Illuminated | ⊕	✓ EMC

⊕ 2 Xenon		
R65		12V **490050** 24V **490053**
	⊕ | Illuminated | ⊕	✓ EMC

↻ 2 Rotators		
R65		12V **5-00007-V** 24V **5-00008-V**
	↻ | Illuminated | ↻	✓ EMC

1610mm / 63.4"

⊕ 2 Xenon		
R65		12V **490061** 24V **490071**
	⊕ | Illuminated | ⊕	✓ EMC

Bespoke lightbars can be designed on request.

If the specification you need for a lightbar isn't shown in this catalogue, we can make one for you.
Simply contact Customer Service to discuss your requirements and our design team will create a bar best suited to your needs.

5 Series Lightbars
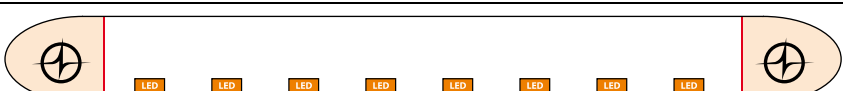
1610mm / 63.5"

2 Rotators

	12V **5-00009-V** 24V **5-000010-V**
Illuminated	✓ EMC

Hi-Wave Xenergy

Dual function bars with amber Xenon strobe end modules and amber LED rear-facing modules. Offers 3 traffic directing sequences and 5 high visibility warning flash patterns. Supplied with remote control unit with cradle for dash mounting.

Hi-Wave Xenergy 1110

	12/24V **491030**
LED LED LED LED LED LED	✓ EMC

Hi-Wave Xenergy 1360

	12/24V **491040**
LED LED LED LED LED LED LED LED	✓ EMC

Features

- Dual voltage 12/24V
- 8 flash patterns (3 x directional, 5 high visibility)
- Real-time flash pattern display on controller
- High reliability ultra bright LEDs and Xenon strobe tubes
- Backlit pattern selector on controller
- Controller unit fitted with 5m cable, extension available
- Polycarbonate lens covers, aluminium base
- Certified to ECE R65
- High voltage transient and polarity reversal protection fitted
- Operating temperature: -20°C to +55°C

Bespoke lightbars can be designed on request.

If the specification you need for a lightbar isn't shown in this catalogue, we can make one for you.
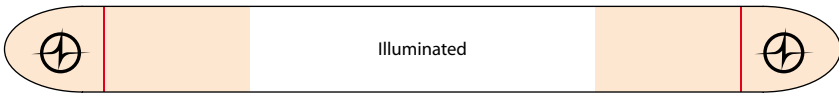Simply contact Customer Service to discuss your requirements and our design team will create a bar best suited to your needs.

15 SERIES

R65

Features

- Low profile aerodynamic styling with high intensity ultra bright LEDs
- Low current draw (less than 20% of a standard halogen lightbar)
- Long maintenance free life
- 360° light output with increased dispersion at peak output
- Rigid aluminium base
- Polycarbonate lens
- Only 50mm high
- Amber and blue lids available on request
- Various mounting options available

Bespoke options available

- Worklights
- Alley lights
- Coloured lids
- Stop tail
- Stop tail indicators
- Signage on request
- Opal or plain centre sections

Bespoke lightbars can be designed on request
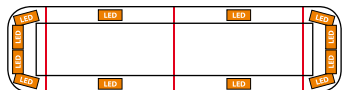
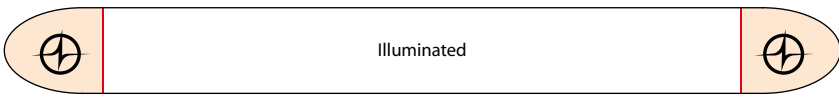If the specification you need for a lightbar isn't shown in this catalogue, we can make one for you.
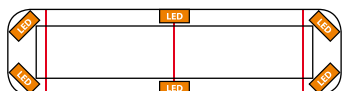
Simply contact Customer Service to discuss your requirements and our design team will create a bar best suited to your needs.
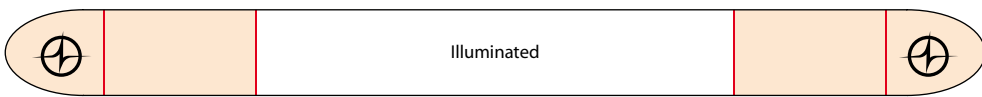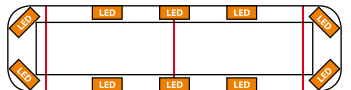
15 Series LED Lightbars

590mm / 23"
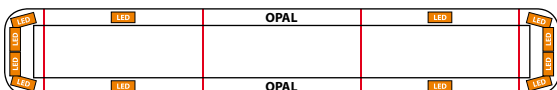
12 Lux LEDs

R65		12/24V **15L-01325-V**
		✓ EMC — ECE R65 Class I & Class II available.

6 LEDs

	12V **15-00013-V** 24V **15-00046-V**
	✓ EMC

8 LEDs

	12V **15-00015-V** 24V **15-00047-V**
	✓ EMC

10 LEDs

	12V **15-00019-V** 24V **15-00048-V**
	✓ EMC

980mm / 39"
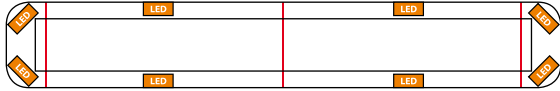
12 Lux LEDs with Opal Centre

| R65		12/24V **15L-01326-V**
		✓ EMC — ECE R65 Class I & Class II available.

Bespoke lightbars can be designed on request.

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Simply contact Customer Service to discuss your requirements and our design team will create a bar best suited to your needs.
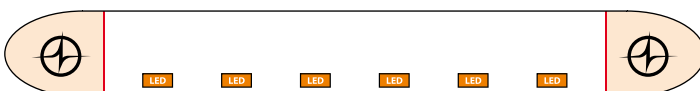
15 Series LED Lightbars
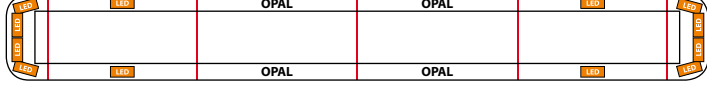
980mm / 39"

8 LEDs	
	12V **15-00035-V**
	24V **15-00174-V**
	✓ EMC
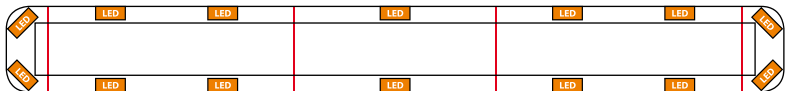
1240mm / 49"

8 LEDs	
	12V **15-00036-V**
	24V **15-00126-V**
	✓ EMC

12 LEDs	
	12V **15-00163-V**
	24V **15-00143-V**
	✓ EMC

12 Lux LEDs with Opal Centre	
R65	12/24V **15L -01327-V**
	✓ EMC — ECE R65 Class I & Class II available.
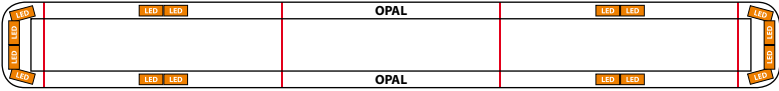
1372mm / 54"

14 LEDs	
	12V **15-00038-V**
	24V **15-00170-V**
	✓ EMC
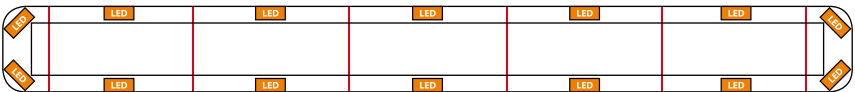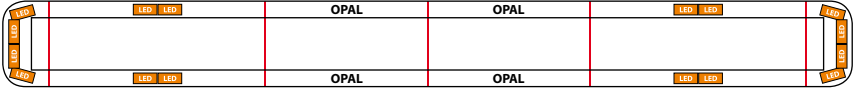
15 Series LED Lightbars

1372mm / 54"
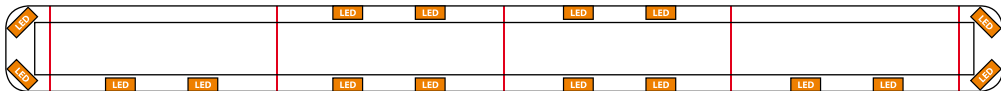
16 Lux LEDs with Opal Centre

R65		12/24V **15L-01328-V**
	LED LED OPAL LED LED / LED LED OPAL LED LED	✓ EMC — ECE R65 Class I & Class II available.
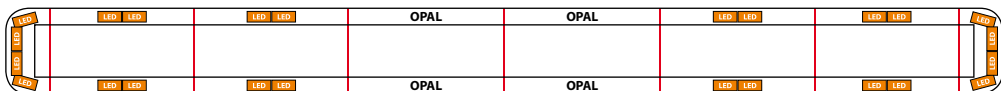
1500mm / 59"

14 LEDs

		12V **15-00172-V** 24V **15-00173-V**
	LED LED LED LED LED / LED LED LED LED LED	✓ EMC

16 Lux LEDs with Opal Centre

R65		12/24V **15L-01329-V**
	LED LED OPAL OPAL LED LED / LED LED OPAL OPAL LED LED	✓ EMC — ECE R65 Class I & Class II available.

1760mm / 69"

16 LEDs

		12V **15-00330-V** 24V **15-00274-V**
	LED LED LED LED LED / LED LED LED LED LED LED LED	✓ EMC

24 Lux LEDs with Opal Centre

R65		12/24V **15L-01330-V**
	LED LED LED LED OPAL OPAL LED LED LED LED / LED LED LED LED OPAL OPAL LED LED LED LED	✓ EMC — ECE R65 Class I & Class II available.

60 SERIES

R65

Features

- Mid profile aerodynamic styling
- Free form designed reflectors that give an even intensity over greater areas, providing up to 20% improved light output compared to leading competitors
- Dual voltage user selectable belt positions for 12 and 24V applications (only available when other non voltage items included in the bar)
- Aluminium base
- Polycarbonate lens
- ECE R65 approved versions available
- Various mounting options available

Bespoke options available

- Worklights
- VigiLEDs
- Alley lights
- Signage on request
- Stop and tail lights
- Stop tail and indicator lights
- Centre illumination
- Clear and coloured lens options

Bespoke lightbars can be designed on request

If the specification you need for a lightbar isn't shown in this catalogue, we can make one for you.

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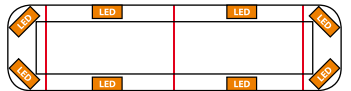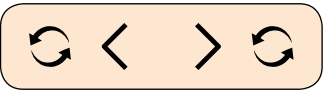
570mm / 22"

Bespoke Rotator, Xenon and LED options also available.
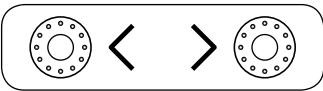
ᵉᵛEVOLUTION Xenon

2 Xenon		
R65		10-30V **6F0.AA00**
	⊕ ‹ › ⊕	10-30V **6A0.AA00*** ✓ EMC * = non ECE R65

ᵉᵛEVOLUTION Rotator

2 Rotators		
R65		12V **600.AA01** 24V **600.AA02**
	↻ ‹ › ↻	✓ EMC

HALO™ LED

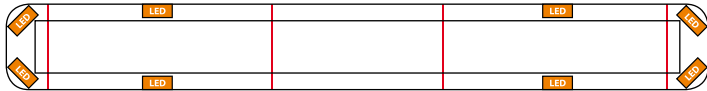| 2 Halo LED		
R65		12V **60-00424-V** 24V **60-00465-V**
	◉ ‹ › ◉	✓ EMC

Bespoke lightbars can be designed on request.

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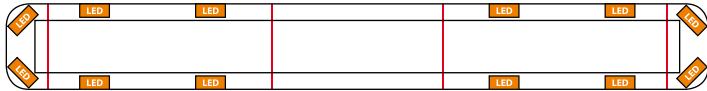
742mm / 29"
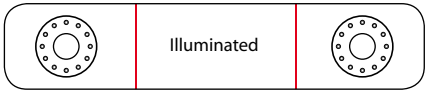
™EVOLUTION Xenon

2 Xenon		
R65		12V **6F2.3A01**
		24V **6F2.3A02**
⊕ < Illuminated > ⊕		12V **6A2.3A01***
	✓ EMC	24V **6A2.3A02***
		* = non ECE R65

™EVOLUTION Rotator

2 Rotators		
R65		12V **602.3A01**
		24V **602.3A02**
↻ < Illuminated > ↻	✓ EMC	

HALO™ LED

2 Halo LED		
R65		12V **60-00425-V**
		24V **60-00466-V**
◯ Illuminated ◯	✓ EMC	

Bespoke lightbars can be designed on request.

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1000mm / 39"
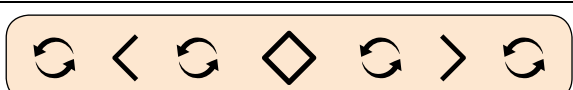
ᴱVOLUTION Xenon
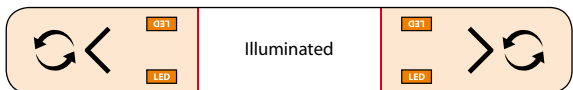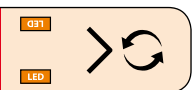
⊕ 2 Xenon

R65	12V **6F3.3A01**
	24V **6F3.3A02**
⊕ ‹ Illuminated › ⊕	12V **6A3.3A01***
	✓ EMC 24V **6A3.3A02*** * = non ECE R65

ᴱVOLUTION Rotator

↻ 2 Rotators

R65	12V **603.3A01**
	24V **603.3A02**
↻ ‹ Illuminated › ↻	✓ EMC

↻ 3 Rotators

	12V **663.0A01**
	24V **663.0A02**
↻ ◇ ↻ ◇ ↻	✓ EMC

↻ 4 Rotators

	12V **623.AA01**
	24V **623.AA02**
↻ ‹ ↻ ◇ ↻ › ↻	✓ EMC

↻ 2 Rotators, 4 LEDs

R65	12V **603.3A01.AAAAAB**
	24V **603.3A02.AAAAAB**
↻ ‹ [Q31] [LED] Illuminated [Q31] [LED] › ↻	✓ EMC

Bespoke lightbars can be designed on request.

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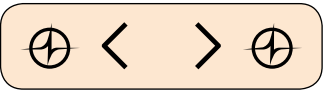
60 Series Lightbars

1000mm / 39"

HALO™ **LED**

2 Halo LED		
R65		12V **60-00426-V** 24V **60-00467-V**
	Illuminated	✔ EMC

1212mm / 48"

EVOLUTION™ **Xenon**

2 Xenon		
R65		12V **6F4.3A01** 24V **6F4.3A02**
	Illuminated	12V **6A4.3A01*** 24V * = non **6A4.3A02*** ECE R65 ✔ EMC

4 Xenon		
R65		10-30V **6G4.0A00** 10-30V **6B4.0A00***
		✔ EMC * = non ECE R65

EVOLUTION™ **Rotator**

2 Rotators, LED Stop/Tail/Indicator		
R65		12V **604.3A01.ACAA** 24V **604.3A02.ACAA**
	LED S T I Illuminated LED S T I	✔ EMC

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60 Series Lightbars
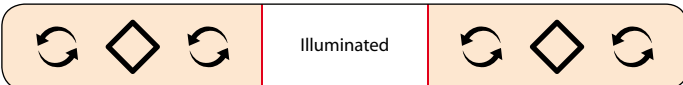
1212mm / 48"

EVOLUTION Rotator

2 Rotators

	12V 604.3A01
R65	24V 604.3A02
Illuminated	✓ EMC

2 Rotators, with Worklamps

	12V 604.3A01.CAAA
R65	24V 604.3A02.CAAA
W Illuminated W	✓ EMC

4 Rotators

	12V 624.0A01.AAAB
R65	24V 624.0A02.AAAB
	12V 624.0A01*
✓ EMC	24V 624.0A02* * = non ECE R65

4 Rotators

	12V 624.3A01.AAAB
R65	24V 624.3A02.AAAB
Illuminated	12V 624.3A01*
✓ EMC	24V 624.3A02* * = non ECE R65

HALO™ LED

2 Halo LED

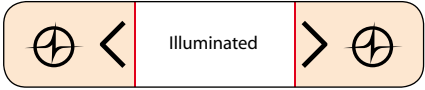|	12V 60-00427-V
R65	24V 60-00468-V
Illuminated	✓ EMC

Bespoke lightbars can be designed on request.

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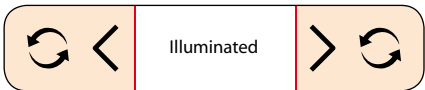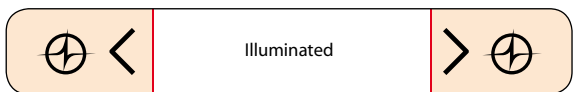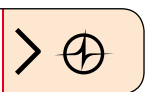
1372mm / 54"

ᵀᴹ EVOLUTION Xenon

4 Xenon

R65		10-30V **6G8.0A00**
	⊕ ◇ ⊕ ◇ ⊕ ◇ ⊕	10-30V **6B8.0A00*** ✔ EMC * = non ECE R65

4 Xenon

R65		12V **6G8.3A01** 24V **6G8.3A02**
	⊕ ◇ ⊕ Illuminated ⊕ ◇ ⊕	12V **6B8.3A01*** 24V **6B8.3A02*** ✔ EMC * = non ECE R65

ᵀᴹ EVOLUTION Rotator

2 Rotators

R65		12V **608.3A01** 24V **608.3A02**
	↻ ‹ Illuminated › ↻	✔ EMC

4 Rotators

R65		12V **628.0A01.AAAB** 24V **628.0A02.AAAB**
	↻ ◇ ↻ ◇ ↻ ◇ ↻	12V **628.0A01*** 24V **628.0A02*** ✔ EMC * = non ECE R65

4 Rotators

R65		12V **628.3A01.AAAB** 24V **628.3A02.AAAB**
	↻ ◇ ↻ Illuminated ↻ ◇ ↻	12V **628.3A01*** 24V **628.3A02*** ✔ EMC * = non ECE R65

Bespoke lightbars can be designed on request.

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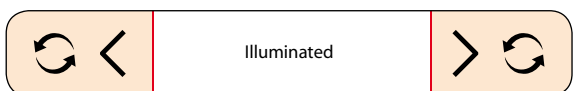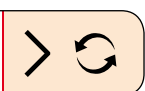
1372mm / 54"

HALO™ **LED**

2 Halo LED

		12V **60-00428-V** 24V **60-00469-V**
R65	◄ Illuminated ►	✓ EMC

4 Halo LED

		12V **60-00429-V** 24V **60-00470-V**
R65	◇ Illuminated ◇	✓ EMC

VigiLED II

2 Halo LED and 2 VigiLED

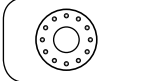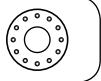|		12V **60-01008-V** 24V **60-01009-V**
R65	◄ LED Illuminated LED ►	✓ EMC

Bespoke lightbars can be designed on request.

If the specification you need for a lightbar isn't shown in this catalogue, we can make one for you.
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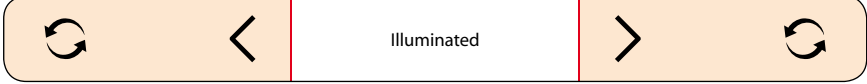
1524mm / 60"
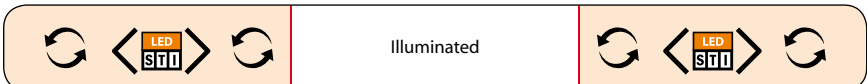
™EVOLUTION Xenon

4 Xenon

								10-30V **6G5.0A00**

⊕ ◇ ⊕	‹ ›	⊕ ◇ ⊕	10-30V **6B5.0A00*** ✔ EMC * = non ECE R65

4 Xenon

	12V **6G5.3A01** 24V **6G5.3A02**

⊕ ◇ ⊕	Illuminated	⊕ ◇ ⊕	12V **6B5.3A01*** 24V * = non ✔ EMC **6B5.3A02*** ECE R65

™EVOLUTION Rotator

2 Rotators

	12V **605.3A01** 24V **605.3A02**

↻	‹	Illuminated	›	↻	✔ EMC

4 Rotators, LED Stop/Tail/Indicator

	12V **625.3A01.ACAA** 24V **625.3A02.ACAA**

↻ ‹LED STI› ↻	Illuminated	↻ ‹LED STI› ↻	✔ EMC

4 Rotators

	12V **625.0A01.AAAB** 24V **625.0A02.AAAB**

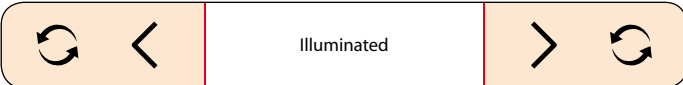| ↻ ◇ ↻	◇	↻ ◇ ↻	12V **625.0A01*** 24V * = non ✔ EMC **625.0A02*** ECE R65

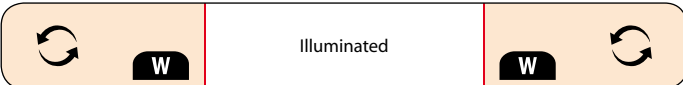## Bespoke lightbars can be designed on request.

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Simply contact Customer Service to discuss your requirements and our design team will create a bar best suited to your needs.

1524mm / 60"

EVOLUTION Rotator

⟳ 4 Rotators

R65		12V **625.3A01.AAAB** 24V **625.3A02.AAAB**
	⟳ ◇ ⟳ Illuminated ⟳ ◇ ⟳	✓ EMC 12V **625.3A01*** 24V **625.3A02*** * = non ECE R65

⟳ 6 Rotators

		12V **6W5.0A01** 24V **6W5.0A02**
	⟳ ◇ ⟳ ⟳ ◇ ⟳ ⟳ ◇ ⟳	✓ EMC

⟳ 4 Rotators, 4 LEDs (2 front and 2 rear)

R65		12V **625.3A01.AAAA9R** 24V **625.3A02.AAAA9R**
	⟳ ⟨ LED / LED ⟩ ⟳ Illuminated ⟳ ⟨ LED / LED ⟩ ⟳	✓ EMC

⟳ 2 Rotators, with Worklamps

R65		12V **605.3A01.CAAA** 24V **605.3A02.CAAA**
	⟳ ⟨ W Illuminated W ⟩ ⟳	✓ EMC

⦿ 4 Halo LED

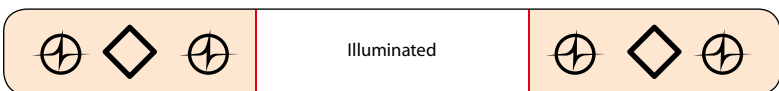| R65		✓ EMC 12V **60-00527-V** 24V **60-00528-V**
	⦿ ◇ ⦿ Illuminated ⦿ ◇ ⦿	

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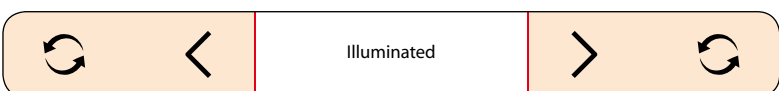
60 Series Lightbars

1829mm / 72"

ᵀᴹ𝐄𝐕𝐎𝐋𝐔𝐓𝐈𝐎𝐍 Xenon
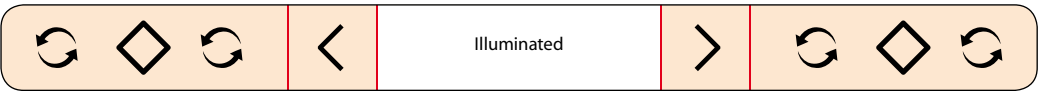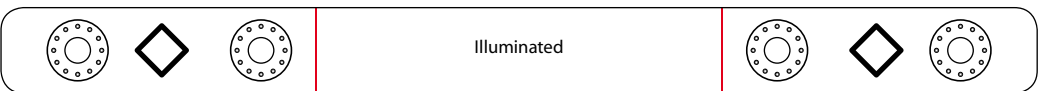
4 Xenon

R65	12V **6G6.3A01** 24V **6G6.3A02**
Illuminated	12V **6B6.3A01*** ✔ EMC 24V **6B6.3A02*** * = non ECE R65

ᵀᴹ𝐄𝐕𝐎𝐋𝐔𝐓𝐈𝐎𝐍 Rotator

4 Rotators

R65	12V **626.0A01.AAAB** 24V **626.0A02.AAAB**
	12V **626.0A01*** ✔ EMC 24V **626.0A02*** * = non ECE R65

4 Rotators

R65	12V **626.3A01.AAAB** 24V **626.3A02.AAAB**
Illuminated	12V **626.3A01*** ✔ EMC 24V **626.3A02*** * = non ECE R65

4 Halo LED

R65	12V **60-00529-V** 24V **60-00530-V**
Illuminated	✔ EMC

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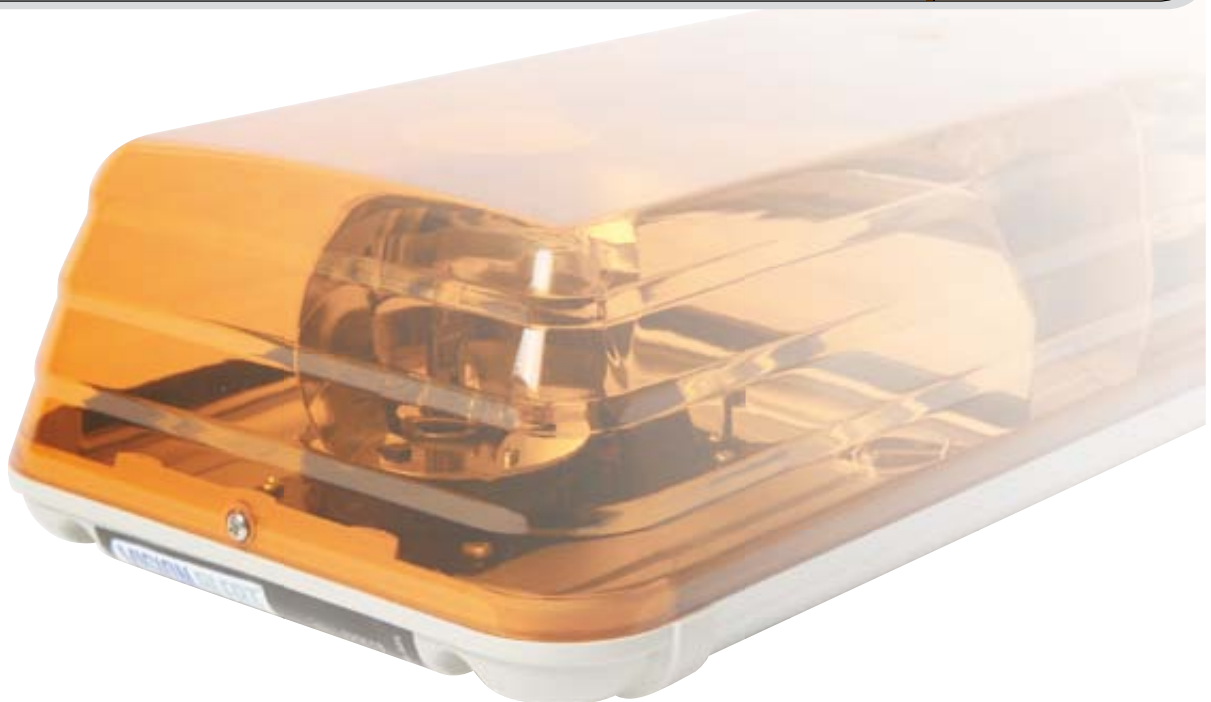
65 SERIES

R65

Features

- Low profile styling with high intensity ultra bright LEDs
- Low current draw less than 20% of standard bars
- Long life LED technology ensuring that the bars are maintenance-free for years to come
- 360° light output with increased dispersion at peak output
- Rigid aluminium base a standard with 60 Series bars
- Tough polycarbonate lens
- Well protected and proven protection against water and dust ingress
- ECE R65 Class I and Class II amber versions available
- Multiple LED options available, each module contains 6 powerful amber LEDs
- Cruise function available
- Opal or clear centre sections available
- Various mounting options available

Bespoke options available

- Worklights
- Centre illumination
- Stop and tail lights
- Stop tail and indicator lights
- Signage on request

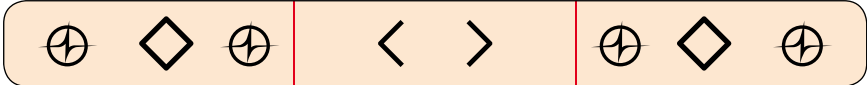## Bespoke lightbars can be designed on request

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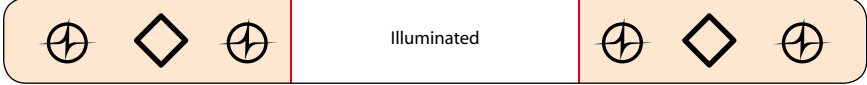
R65 65 Series

The 65 Series is the new lower profile LED version of our 60 Series lightbars. We have developed completely new lenses and high power LED modules. Utilising the latest LED technology and a unique optic provides the 360º light distribution required to achieve ECE R65 Class I and Class II approvals. Combining fabulous style, versatility, high performance and a trusted chassis, this new bar has it all. A new unique controller allows for extra modules to be added if required.

Part No.	Volts	Centre	Length (mm)	Modules
65-00001-V	12/24	Clear	630	8 x 6 LED modules
65-00002-V	12/24	Opal	1060	8 x 6 LED modules
65-00017-V	12/24	Opal	1275	4 x 6 LED modules
65-00003-V	12/24	Opal	1275	8 x 6 LED modules
65-00004-V	12/24	Opal	1435	8 x 6 LED modules
65-00005-V	12/24	Opal	1590	12 x 6 LED modules
65-00006-V	12/24	Opal	1890	12 x 6 LED modules
65-00007-V	12/24	Opal	2160	12 x 6 LED modules

• All of the above products are ECE R65 Class I

   Class II available on request

   ✓ EMC

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70 SERIES

R65

Features

- High profile modern styling
- Free form designed reflectors that give an even intensity over greater areas, providing up to 20% improved light output compared to leading competitors
- Dual voltage user selectable belt positions for 12 and 24V applications (only available when other non voltage items included in the bar)
- Aluminium base (only available when other non voltage items included in the bar)
- Polycarbonate lens
- ECE R65 options available
- Various mounting options available

Bespoke options available

- Worklights
- VigiLEDs
- Alley lights
- Stop and tail lights
- Stop tail and indicator lights
- Centre illumination

Bespoke lightbars can be designed on request

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570mm / 22"

Bespoke Rotator, Xenon and LED options also available.

Xenon

2 Xenon, Double Flash

R65

	10-30V **7F0.000**
⊕ 〈 〉 ⊕	10-48V **710.000*** ✔ EMC * = non ECE R65

2 Xenon, Quad Flash

	10-48V **740.000**
⊕ 〈 〉 ⊕	✔ EMC

Rotators

2 Rotators

R65

	12V **700.001** 24V **700.002**
↻ 〈 〉 ↻	✔ EMC

Value LED

LED   2 LEDs

	12/24V **70-00324-V**
LED 〈 〉 LED	✔ EMC

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RotoLED

	2 RotoLED	
R65		12/24V **70-00434-V**
	LED LED	✓ EMC

742mm / 29"
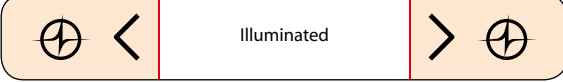
Rotators
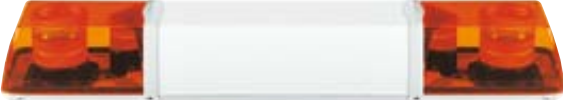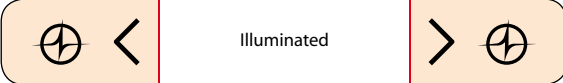
	2 Rotators	
R65		12V **702.001** 24V **702.002**
	↻ ‹ Illuminated › ↻	✓ EMC

1000mm / 39"

Bespoke Rotator, Xenon and LED options also available.

Xenon

	2 Xenon, Double Flash	
R65		12V **7F3.001** 24V **7F3.002**
	⊕ ‹ Illuminated › ⊕	12V **713.001*** 24V **713.002*** ✓ EMC * = non ECE R65

	2 Xenon, Quad Flash	
		12V **743.001** 24V **743.002**
	⊕ ‹ Illuminated › ⊕	✓ EMC

Bespoke lightbars can be designed on request.

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70 Series Lightbars

1000mm / 39"

Bespoke Rotator, Xenon and LED options also available.

Rotators

2 Rotators	12V **703.001**
R65	24V **703.002**
Illuminated	✔ EMC

Value LED
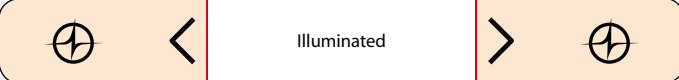
2 LED with 2 VigiLED to rear	12V **70-00328-V**
LED	
LED · LED · LED · LED	✔ EMC

RotoLED

2 RotoLED	12/24V **70-00436-V**
R65	
LED · LED	✔ EMC

1212mm / 48"

Xenon

2 Xenon, Double Flash	12V **7F4.001**
R65	24V **7F4.002**
Illuminated	12V **714.001***
	✔ EMC · 24V **714.002*** · * = non ECE R65

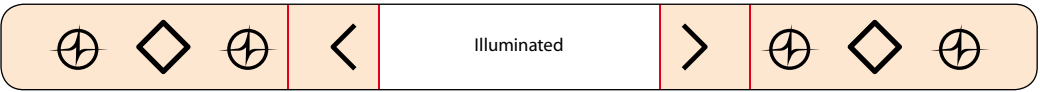### Bespoke lightbars can be designed on request.

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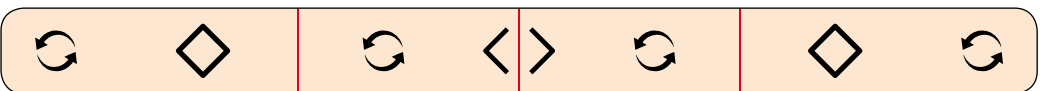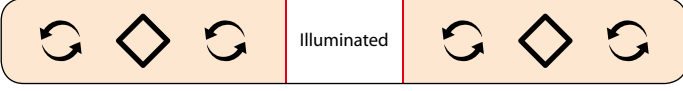
1212mm / 48"

Xenon

2 Xenon, Quad Flash	
	12V **744.001** 24V **744.002**
⊕ ❮ Illuminated ❯ ⊕	✓ EMC

4 Xenon	
	✓ EMC 10-48V **734.500** (Double flash)
⊕ ◇ ⊕ ◇ ⊕ ◇ ⊕	✓ EMC 10-48V **754.500** (Quad flash)

Rotators

2 Rotators	
R65	12V **704.001** 24V **704.002**
↻ ❮ Illuminated ❯ ↻	✓ EMC

4 Rotators, 200mm Centre	
R65	12V **724.Y01.AWA** 24V **724.Y02.AWA**
↻ ◇ ↻ Illuminated ↻ ◇ ↻	✓ EMC 12V **724.Y01*** 24V **724.Y02*** *= non ECE R65
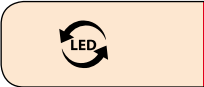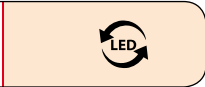
Value LED

LED 2 LED	
	12/24V **70-00326-V**
LED ❮ ❯ LED	✓ EMC

1212mm / 48"
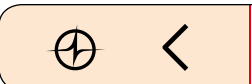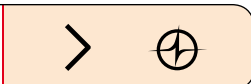
RotoLED

2 RotoLED			12/24V **70-00437-V**
R65			
LED		LED	✓ EMC

1372mm / 54"

Bespoke Rotator, Xenon and LED options also available.

Xenon

2 Xenon, Double Flash			12V **7F8.001** 24V **7F8.002**
R65			
⊕ ‹	Illuminated	› ⊕	12V **718.001*** 24V **718.002*** ✓ EMC * = non ECE R65

2 Xenon, Quad Flash			12V **748.001** 24V **748.002**
⊕ ‹	Illuminated	› ⊕	✓ EMC

4 Xenon			12V **738.001** (Double flash) 24V **738.002** (Double flash)
⊕ ◇ ⊕	Illuminated	⊕ ◇ ⊕	12V **758.001** (Quad flash) 24V **758.002** (Quad flash) ✓ EMC

Bespoke lightbars can be designed on request.
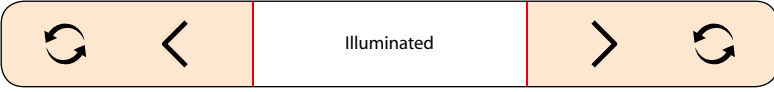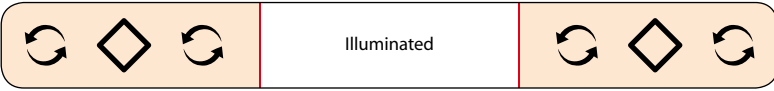
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1372mm / 54"

Bespoke Rotator, Xenon and LED options also available.

Rotators

2 Rotators

Illuminated	12V **708.001**
	24V **708.002**
	✓ EMC

4 Rotators

Illuminated	12V **728.001.AWA**
	24V **728.002.AWA**
	12V **728.001***
	24V **728.002***
	✓ EMC * = non ECE R65
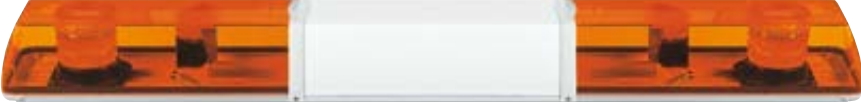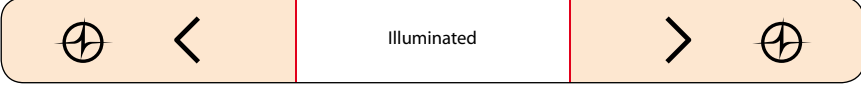
RotoLED

2 RotoLED

| | 12/24V **70-00438-V** |
| LED   LED | ✓ EMC |

1524mm / 60"

Bespoke Rotator, Xenon and LED options also available.

Xenon

2 Xenon, Double Flash

Illuminated	12V **7F5.001**
	24V **7F5.002**
	12V **715.001***
	24V **715.002***
	✓ EMC * = non ECE R65

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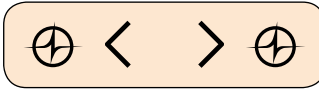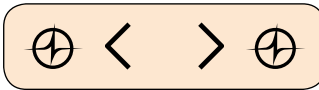Simply contact Customer Service to discuss your requirements and our design team will create a bar best suited to your needs.
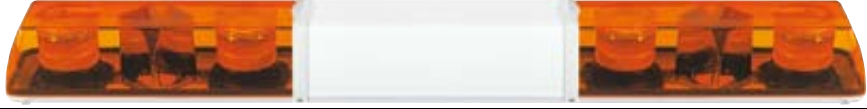
1524mm / 60"
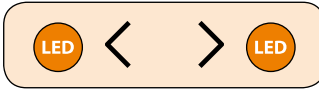
Bespoke Rotator, Xenon and LED options also available.
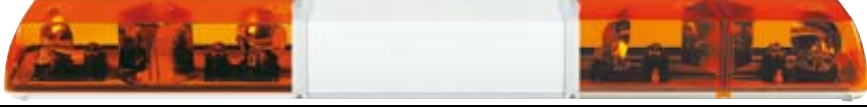
Xenon

2 Xenon, Quad Flash

Illuminated	12V **745.001**
	24V **745.002**
	✓ EMC

4 Xenon, Double Flash

R65

Illuminated	12V **7G5.001**
	24V **7G5.002**
	12V **735.001***
	✓ EMC 24V **735.002*** * = non ECE R65

4 Xenon, Quad Flash

Illuminated	12V **755.001**
	24V **755.002**
	✓ EMC

Rotators

2 Rotators

R65

Illuminated	12V **705.001**
	24V **705.002**
	✓ EMC

4 Rotators

R65

Illuminated	12V **725.001.AWA**
	24V **725.002.AWA**
	12V **725.001***
	✓ EMC 24V **725.002*** * = non ECE R65

1524mm / 60"

Value LED

LED	2 LED		
			12/24V **70-00327-V**
LED	‹ ›	LED	✓ EMC
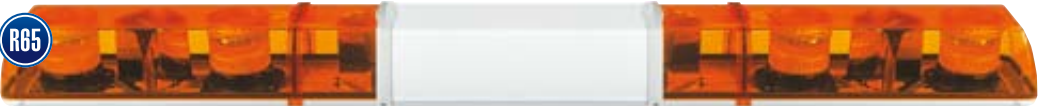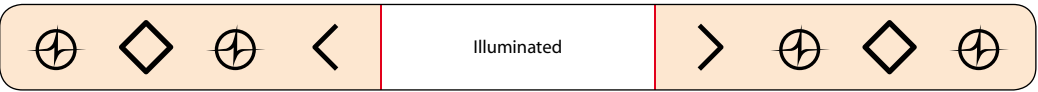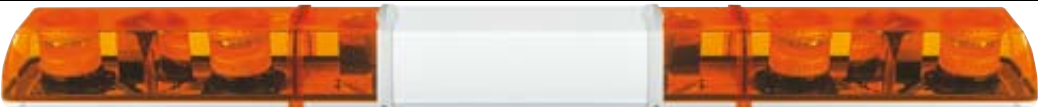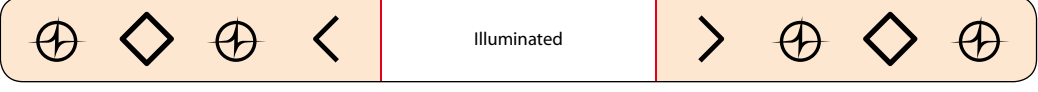
RotoLED

ROTOLED	2 RotoLED		
R65			12/24V **70-00439-V**
LED		LED	✓ EMC

1829mm / 72"

Xenon

⊕	4 Xenon, Double Flash		
R65			12V **7G6.001** 24V **7G6.002**
⊕ ◇ ⊕ ‹	Illuminated	› ⊕ ◇ ⊕	12V **736.001*** 24V **736.002*** ✓ EMC * = non ECE R65

⊕	4 Xenon, Quad Flash		
			12V **756.001** 24V **756.002**
⊕ ◇ ⊕ ‹	Illuminated	› ⊕ ◇ ⊕	✓ EMC
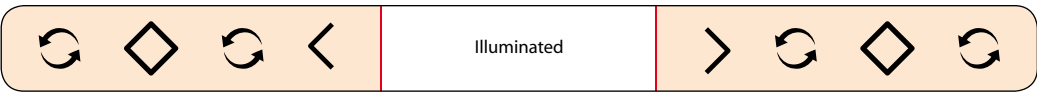
Bespoke lightbars can be designed on request.

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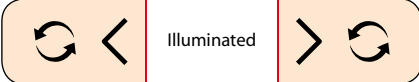
1829mm / 72"

Rotators

	4 Rotators		
R65			12V **726.001.AWA** 24V **726.002.AWA**
↻ ◇ ↻ ‹	Illuminated	› ↻ ◇ ↻	✓ EMC 12V **726.001*** 24V **726.002*** * = non ECE R65

RotoLED

	2 RotoLED	
R65		12/24V **70-00440-V**
LED↻		LED↻ ✓ EMC

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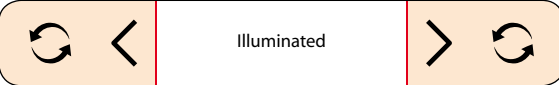
Worklamps

2011 saw worklamps launched by the whole ECCO Group which was possible because of the years of ECCO engineering expertise in LED developments. 2013 sees a further leap in both the range and performance of the ECCO Group worklamps.

Moreover our expertise in LED technology has enabled us to specify combinations of LEDs from chosen LED manufacturers that maximize performance and price, enabling ECCO Group to become even more competitive in the market. As LEDs improve you can be assured that ECCO Group and Vision Alert are at the very forefront of developments to ensure you have the most cost-effective, versatile and superior performing worklamps on the market today.

HALOGEN

The standard for worklamps for many years, halogen lamps provide good performance at a price to suit all budgets, ranging from single or twin beam lamps, square, rectangular, round or oval designs and even magnetic mounting versions, these classic designs offer illumination for all vehicle types.

HID

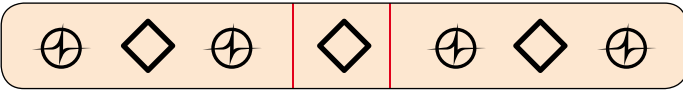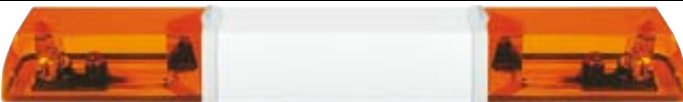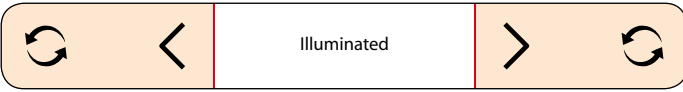Once heralded as the ultimate solution, HID (High Intensity Discharge) lamps always came at a substantial price. Providing a superior lighting performance from only 35W of power, HID lamps offer around 2 ½ times the output of halogen and are ideal for operators of large construction and mining machinery or operators of equipment in very low light conditions.

LED

LED worklamps have only been on the scene for the past 5 years but in that time they have caught up and overtaken halogen for performance and some of our high output lamps are matching HID for light output. More than that LED developments have progressively brought prices down to a point where LED is now competitive with halogen... AND with a fit-and-forget capability. With LEDs lasting upwards of 50,000 hours there's no need to mount them in accessible places to change bulbs. ECCO Group have the single largest range of LED worklamps on the market today, all backed by our quality assurance and technical support. The range includes square, rectangular, round and oval lamps, small 600 lumen devices comparable with halogen output, through to 3000 lumen versions.

Standard light output <1,000 Lumens **1**

High performance light output 1,000 - 2,000 Lumens **2**

Ultra performance light output 2,000+ Lumens **3**
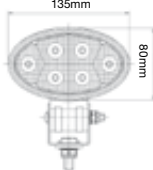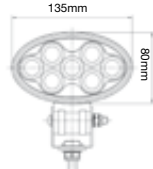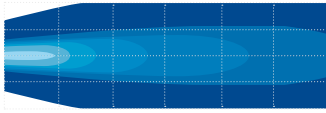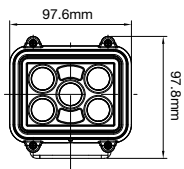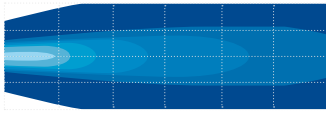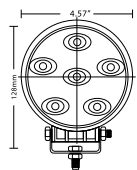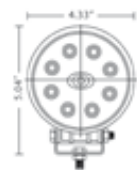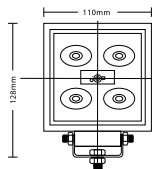
Worklamps

LED Worklamps

Note: Light output patterns are representative of each lamp
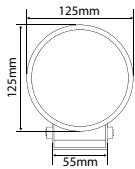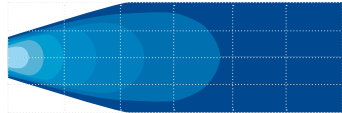
Oval LED Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E92001	Flood	Polycarbonate	12/24V	6 x 3W	Bracket	1 — 550 Lumens — IP67

Oval LED Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E92002	Spot	Polycarbonate	12/24V	7 x 3W	Bracket	1 — 640 Lumens — IP67

Square LED Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E92003	Spot	Glass	12/24V	5 x 1W	Bracket	1 — 490 Lumens — IP67

Circular LED Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E92004-E	Flood	Polycarbonate	12/24V	6 x 3W	Bracket	1 — 550 Lumens — IP67, EMC

Circular LED Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E92005	Flood	Acrylic	10-30V	8 x 3W	Bracket	1 — 750 Lumens — IP67, CE, EMC

Square LED Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E92007-E	Flood	Polycarbonate	12/24V	9 x 3W	Bracket	1 — 500 Lumens — IP67, EMC

Material Handling Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E92009	Spot	Polycarbonate	10-80V	6 x 3W	Bracket	1 — 320 Lumens
E92010	Flood	Polycarbonate	10-80V	6 x 3W	Bracket	IP67
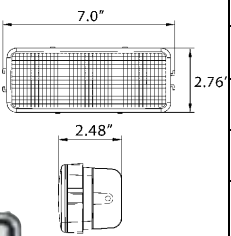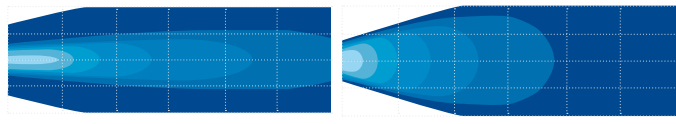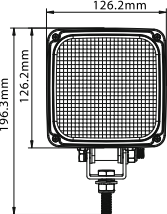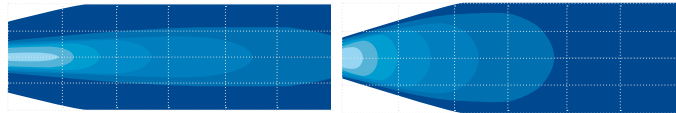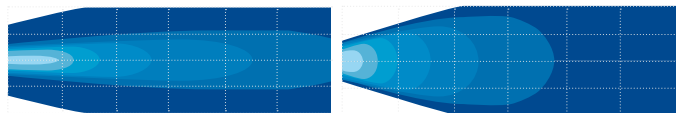
Worklamps
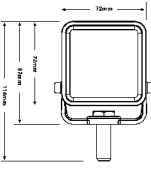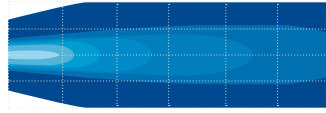
LED Worklamps

Note: Light output patterns are representative of each lamp
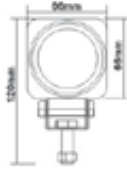
Circular LED Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E92014	Flood	Polycarbonate	12/24V	9 x 3W	Bracket	**3** 2000 Lumens — IP67, EMC

Modular capable LED Worklamps

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E92017 Single	Spot	Polycarbonate	12/24V	12 x 3W	Bracket	
E92018 Modular	Spot	Polycarbonate	12/24V	12 x 3W	Bracket	**2** 1400 Lumens
E92019 Single	Flood	Polycarbonate	121/24	12 x 3W	Bracket	
E92020 Modular	Flood	Polycarbonate	12/24V	12 x 3W	Bracket	
Can be slotted together to form a bank of lighting						IP68
E94011		Connection loom required to link modular models				

Square LED Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E92022	Spot	Polycarbonate	12/24V	16 x 3W	Bracket	1520 Lumens **2**
E92023	Flood	Polycarbonate	12/24V	16 x 3W	Bracket	1295 Lumens — IP68

Rectangular LED Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
EW2301	Spot	Glass	12/24V	6 x 10W	Bracket	**3** 3000 Lumens
EW2300	Flood	Glass	12/24V	6 x 10W	Bracket	IP67

VigiLED Square Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
497335	Spot	Polycarbonate	12/24V	6W	Surface or bracket	**1** 450 Lumens — IP69K, EMC
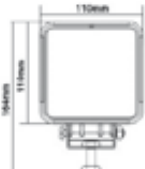
Square LED Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
EW2401	Spot	Glass	12/24V	4 x 3W	Bracket	**1** 500 Lumens — IP67, EMC
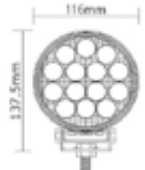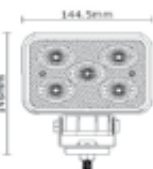
Worklamps
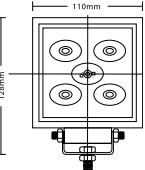
LED Worklamps

Note: Light output patterns are representative of each lamp

Rectangular LED Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
EW2411	Flood	Polycarbonate	12/24V	6 x 3W	Bracket	**1** 750 Lumens; IP67, EMC
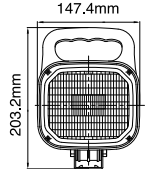
Square LED Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
EW2421	Flood	Polycarbonate	12/24V	16 x 3W	Bracket	**2** 1800 Lumens; IP67, EMC

Circular LED Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
EW2431	Flood	Polycarbonate	12/24V	14 x 3W	Bracket	**2** 1700 Lumens; IP67, EMC

Rectangular LED Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
EW2501	Flood	Polycarbonate	12/24V	5 x 10W	Bracket	**3** 2700 Lumens; IP67, EMC

Square Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E92027	Flood	PMMA	12/24V	5 x 3W	Bracket	**2** 1000 Lumens; IP67, EMC
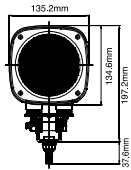
HID Worklamps

Square HID Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E93001	Flood	Glass	12/24V	35W	Bracket	Handle Integrated switch **3**
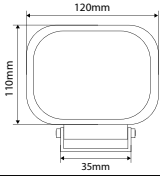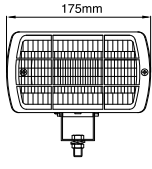
Worklamps

HID Worklamps
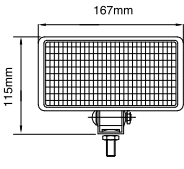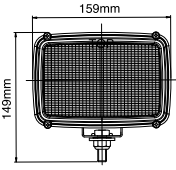
Vibration resistant HID Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E93013	Flood	Glass	12/24V	35W	Bracket	Heavy duty Shock resistant rubber mounting
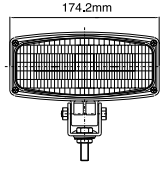
Power HID Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E93017	Flood	Glass	12/24V	35W	Bracket	
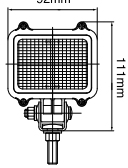
Halogen Worklamps

Rectangular Halogen Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91041	Flood	Glass	12/24V	55W	Bracket	Stone Guard

Rectangular Halogen Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91048	Flood	Glass	12/24V	55W	Bracket	

Twin Beam Rectangular Halogen Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91064	Flood	Glass	12/24V	110W	Bracket	
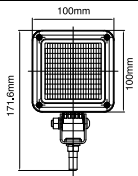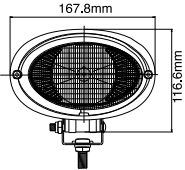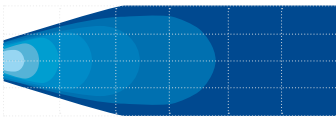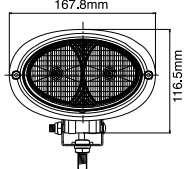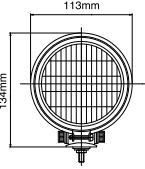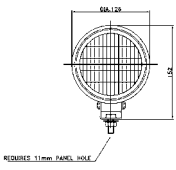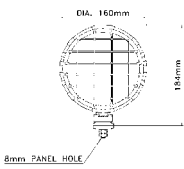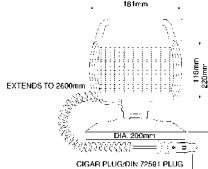
Twin Beam Rectangular Halogen Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91010	Flood	Glass	12/24V	110W	Bracket	

Rectangular Halogen Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91025	Flood	Glass	12/24V	55W	Bracket	

Worklamps

Halogen Worklamps

Note: Light output patterns are representative of each lamp
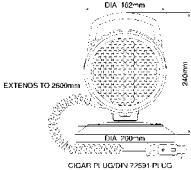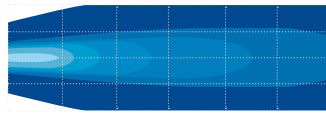
Square Halogen Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91099	Flood	Glass	12/24V	55W	Bracket	

Oval Halogen Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91082	Flood	Glass	12/24V	55W	Bracket	

Twin Beam Oval Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91088	Flood	Glass	12/24V	110W	Bracket	

Circular Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91002	Flood	Glass	12/24V	55W	Bracket	Stainless steel housing

Circular Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91104	Flood	Glass	12/24V	55/70W	Bracket	Rubber housing

Circular Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91105	Flood	Glass	12/24V	55/70W	Tilt/Swivel	Grille

Rectangular Mag Base Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91106	Flood	Polycarbonate	12/24V	55W	Magnetic	Handle
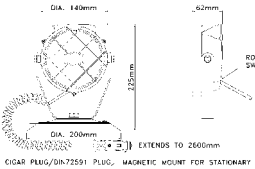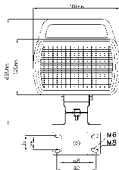
For static use only

Worklamps
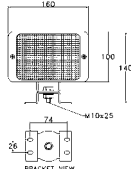
Halogen Worklamps
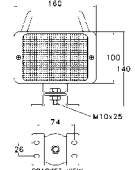
Note: Light output patterns are representative of each lamp
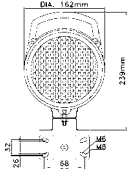
Circular Mag Base Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91107	Spot	Polycarbonate	12/24V	55W	Magnetic	Handle

For static use only
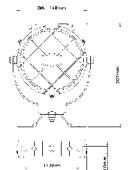
Circular Mag Base Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91108	Flood	Polycarbonate	12/24V	55W	Magnetic	Grille Integrated Switch

Rectangular Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91109	Flood	Polycarbonate	12/24V	55/70W	Bracket	Handle

Rectangular Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91110	Flood	Glass	12/24V	55/70W	Bracket	

Rectangular Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91111	Flood	Glass	12/24V	110/140W	Bracket	Handle
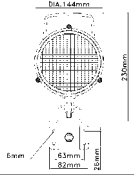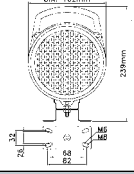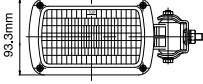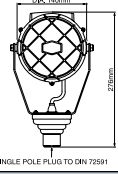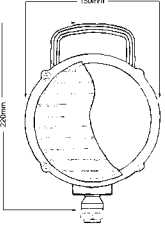
Circular Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91112	Flood	Polycarbonate	12/24V	55/70W	Bracket	Grille Integrated Switch

Circular Worklamp

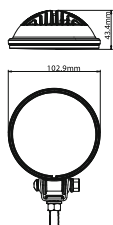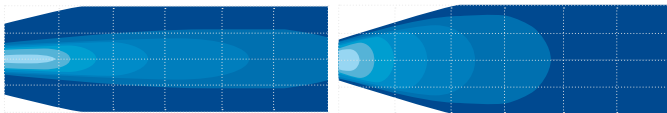| Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91114	Flood	Glass	12/24V	55/70W	Bracket	Grille Integrated Switch
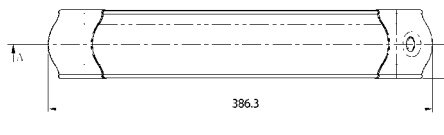
Worklamps

Halogen Worklamps
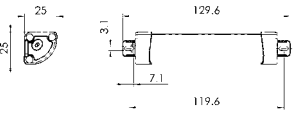
Note: Light output patterns are representative of each lamp
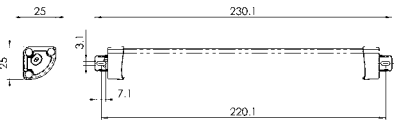
Circular Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91115	Flood	Glass	12/24V	55/70W	Bracket	Handle, Integrated Switch

Circular Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91116	Flood	Polycarbonate	12/24V	55/70W	Bracket	Handle, Amber lens

Rectangular Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91030	Flood	Glass	12/24V	55W	Bracket	Side mount

Circular Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91117	Flood	Glass	12/24V	55W	DIN Pole	Grille, Integrated Switch

Circular Worklamp

Part No.	Beam	Lens	Voltage	Watts	Mount	Extra Features
E91118	Flood	Glass	12/24V	55W	Ball Joint	Handle, Grille
E91119	Flood	Glass	12/24V	70W	Ball Joint	Handle, Grille

Magnetic Mounting Foot

Part No.	
170.027	To fit all worklamps with single bolt bracket mount. For static use only
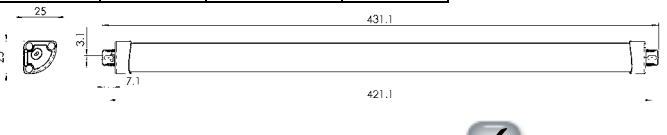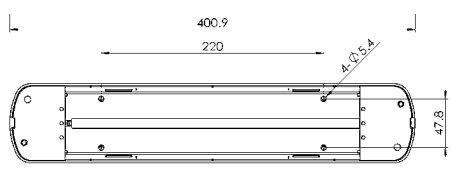
LED Compartment Lighting
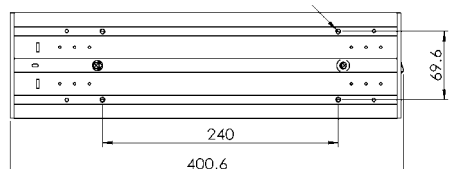
LED Internal Cab Light		Part No.	Voltage	Max Current	Watts	Extra Features
Internal use only		EW9000	12/24V	0.28A	12 x 0.4W	Diffuser lens Top mounted illuminated switch

LED Compartment Light		Part No.	Voltage	Max Current	Watts	Extra Features
Internal use only		EW9001	12/24V	0.08A	3 x 0.4W	Diffuser lens

LED Compartment Light		Part No.	Voltage	Max Current	Watts	Extra Features
Internal use only		EW9002	12/24V	0.17A	6 x 0.4W	Diffuser lens

LED Compartment Light		Part No.	Voltage	Max Current	Watts	Extra Features
Internal use only		EW9003	12/24V	0.28A	12 x 0.4W	Diffuser lens

LED In-Cab Light		Part No.	Voltage	Max Current	Watts	Extra Features
Internal use only		EW9004	12/24V	0.56A	24 x 0.4W	Diffuser lens Top mounted switch 2 intensity settings

LED In-Cab Light		Part No.	Voltage	Max Current	Watts	Extra Features
Internal use only		EW9005	12/24V	0.56A	30 x 0.4W	Diffuser lens Side mounted switch 2 intensity settings

Reversing Safety Systems

Vision Alert offers the most comprehensive range of reversing safety products on the market today. Designed specifically with the commercial and industrial vehicle operator in mind the broad range of alarms, CCTV, mirrors and sensors captures every requirement that demanding highway, construction, mining, material handling and agriculture applications need every day.

ALARMS

ECCO Group is the world leader in reversing alarms, supplying to the most respected OEMs who demand complete confidence in the safety of their vehicles. After 40 years of designing and building alarms, ECCO has developed an engineering and assembly know-how second-to-none. Supplying to over 60 countries worldwide, all ECCO reversing alarms are certified to SAE J994 and now for 2013 ECCO offers the '*sshh sshh*' sound with its Multi-Frequency alarms... the only ones worldwide to be certified to SAE J994.

CCTV TECHNOLOGY

Flexible camera and monitor combinations allow you to create the perfect system for your vehicle. With a wide range of the latest technology monitors, cameras, accessories and cables, the options are endless. The Vision Alert CCTV range is packed full of premium product features, including touch control technology and remote control operation, all designed to satisfy the needs of all commercial vehicle operators whether they be a goods vehicle, tow truck, farm equipment or construction machinery.

MIRRORS

Comprising the three most popular universal mirror selections, Vision Alert offers a wide angle round and half round mirror where space is at a premium, along with a Class VI front safety mirror. In addition Vision Alert offers three rugged mirror arms to mount the mirrors in the safest and most effective position.

REVERSING SENSORS

Vision Alert offers the two most popular kits designed entirely around the needs of heavy vehicle operators. With wireless operation and easy to use controllers and indicator screens, the range comprises a medium duty kit for mounting into metal or plastic bumpers kits, along with a truly heavy-duty kit with sensors mounted into die cast metal housings for flexible mounting options on every type of vehicle.

SMART ALARM®

Noise Pollution Solutions™

How Smart Alarms® adjust to the environment

1. **LISTENS** → 2. **SOUNDS** → 3. **SHUTS DOWN**

0.4 Seconds   0.5 Seconds   0.1 Seconds

CYCLE REPEATS
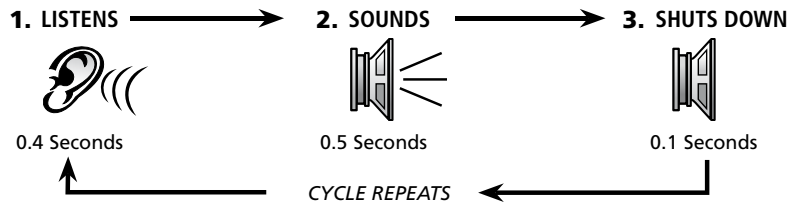
The alarms featured on this page constantly measure ambient noise and adjust their sound level to 5 dB(A) above, creating a volume that is safe without being annoying or contributing to noise pollution.

Smart Alarm®	Part No.	V	dB(A)	A			✓
500 Series	950-001	12/24	82-102	0.4A	◎ 1m		EMC, 🆄🅻
	950-000	12/24	82-102	0.4A		📶	EMC, 🆄🅻
	951-001	12-48	77-97	0.2A	◎ 1m		EMC, 🆄🅻
	951-000	12-48	77-97	0.2A		📶	EMC, 🆄🅻
600 Series							
	901-001	12/24	82-107	0.3A	◎ 450mm		EMC, 🆄🅻
	931-001	12-48	82-102	0.2A	◎ 450mm		EMC, 🆄🅻
800 Series	917-001	12/24	87-112	0.4A	◎ 450mm		EMC
800 Series (with OEM mounting plate)	914-001	12/24	87-112	0.4A	◎ 450mm		EMC
700 Series	920-000	12/24	97-112	0.6A		📶	EMC

500 Series

Features:
- Compact design and universal mounting maximises location options
- Stud terminal connection, Self-earthing
- Lead wire
- Encapsulated electronics extend product life

Part No.	V	dB(A)	A	🔘 📶	✓	
505-001	12/24	87	0.1A	🔘 2m	SAE J994 Type D EMC, RU	**87** dB(A)
505-000	12/24	87	0.1A	📶		
580-001	12-80	87	0.1A	🔘 1m	SAE J994 Type D EMC, RU	**87** dB(A)
580-000	12-80	87	0.1A	📶		
520-001	12/24	97	0.2A	🔘 1m	SAE J994 Type C EMC, RU	**97** dB(A)
520-000	12/24	97	0.2A	📶		
585-001	12-48	97	0.1A	🔘 1m	SAE J994 Type C EMC, RU	**97** dB(A)
585-000	12-48	97	0.1A	📶		
530-001	12/24	102	0.9A	🔘 1m	SAE J994 Type F EMC, RU	**102** dB(A)
530-000	12/24	102	0.9A	📶		
950-001	12/24	82-102	0.4A	🔘 1m	EMC, RU	**82-102** dB(A)
950-000	12/24	82-102	0.4A	📶		

SMART ALARM®

500 Series

	Part No.	V	dB(A)	A	🔊 📶	✔	
SMART ALARM®	**951-001**	12-48	77-97	0.2A	🔊 1m	EMC, 🇺🇱	**77-97** dB(A)
	951-000	12-48	77-97	0.2A	📶		
NIGHT *Silent* — Alarm sound can be disabled during restricted hours either via switch or double engaging reverse gear.	**520-004** Double engage	12/24	97-0	0.2A	🔊 300mm	SAE J994 Type C EMC, SAE J994 Type F	**97-0** dB(A)
	515-004 Double engage	12/24	90-0	0.2A	🔊 300mm		**90-0** dB(A)
	515-002 Switched	12/24	90-0	0.2A	🔊 300mm		**90-0** dB(A)
NIGHT *Reduction* — Alarm volume can be reduced during restricted hours via a switch.	**515-003** Switched	12/24	90-78	0.1A	🔊 300mm	SAE J994 Type F EMC SAE J994 Type C & D	**90-78** dB(A)
	520-003 Switched	12/24	97-87	0.1A	🔊 300mm		**97-87** dB(A)

2.8 [72] **3.25 [82]** **1.6 [41]** **4.0 [102]**

575 Series

SAE APPROVED
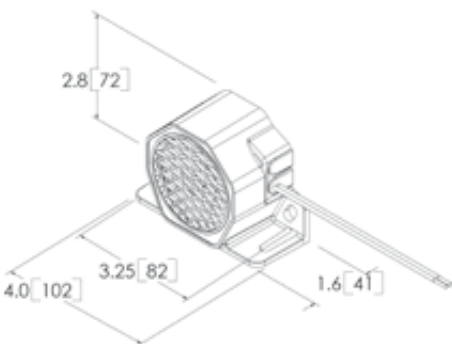
Features:
- Compact design and universal mounting maximises location options
- Encapsulated electronics extend product life

Part No.	V	dB(A)	A	🔊 📶	✔	
575-001	12/24	107	1.3A	🔊 1m	SAE J994 Type B EMC, 🇺🇱	**107** dB(A)

600 Series

Features:
- Compact design and universal mounting maximises location options
- Unique reverse-mounted speaker design protects the alarm in demanding environments
- Encapsulated electronics extend product life
- Roll out to Glass Filled Nylon Housing during 2013

3.8 [97]
4.5 [114]
5.0 [127]
3.0 [76]
2.8 [71]
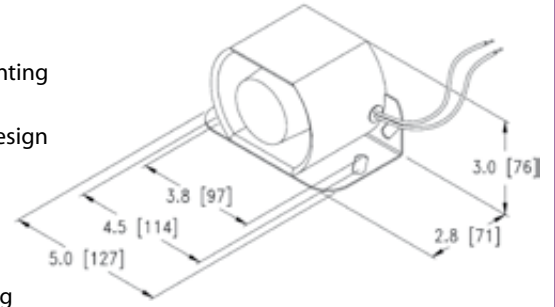
	Part No.	V	dB(A)	A	⊚ ▤	✓	
SMART ALARM®	**901-001**	12/24	82-107	0.3A	⊚ 450mm	EMC, 🔊	**82-107** dB(A)
	931-001	12-48	82-102	0.3A	⊚ 450mm		**82-102** dB(A)
	610-001	12-36	97	0.5A	⊚ 450mm	SAE J994 Type C EMC, 🔊	**97** dB(A)
	630-001	12-36	107	1.7A	⊚ 450mm	SAE J994 Type B EMC, 🔊	**107** dB(A)

Reversing Alarms

700 Series

SAE APPROVED
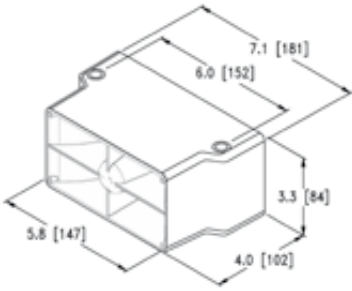
Features:
- OEM popular design for rugged construction applications
- 920-000 includes protective grille
- Stud terminal connection
- Encapsulated electronics extend product life

	Part No.	V	dB(A)	A		✓	
SMART ALARM®	920-000	12/24	97-112	0.6A		EMC	**97-112** dB(A)
Switchable dB(A)	777-000	12/24	97, 107, 112	0.5A		SAE J994 Type A, B, C EMC	**97, 107, 112** dB(A)

800 Series

SAE APPROVED

Features:
- Steel housing and rugged construction
- Designed for demanding applications
- Encapsulated electronics extend product life
- Roll out to Glass Filled Nylon Housing during 2013

4.1 [103]
3.95 [98]
5.09 [129]
5.8 [146]

SMART ALARM®

Part No.	V	dB(A)	A		✓	
917-001	12/24	87-112	0.4A	450mm	EMC	**87-112** dB(A)
810-001	12-36	97	0.5A	450mm	SAE J994 Type C EMC	**97** dB(A)
830-001	12-36	107	1.3A	450mm	SAE J994 Type B EMC	**107** dB(A)
850-001	12-36	112	1.7A	450mm	SAE J994 Type A EMC, ⓤ	**112** dB(A)

800 Series (with OEM mounting plate)

SAE APPROVED

Features:
- As 800 Series plus integral bracket including popular OEM mounting pattern
- Roll out to Glass Filled Nylon Housing during 2013

4.0 [101]
3.09 [78]
4.13 [105]
5.2 [132]
6.2 [156]
7.10 [180]
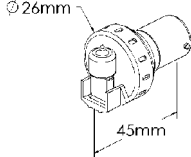
SMART ALARM®

Part No.	V	dB(A)	A		✓	
914-001	12/24	87-112	0.4A	450mm	EMC	**87-112** dB(A)
876-001	12-36	112	1.7A	450mm	SAE J994 Type A EMC	**112** dB(A)
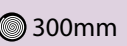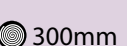
Reversing Alarms

For applications such as vans, mini-buses and other vehicles under 2.5 tonnes

Light Duty Alarms

Back-up Alert	Part No.	V	dB(A)	A		✔
	110-000	12	87	0.2A	Bulb socket	-
	110-002	24	97	0.2A	Bulb socket	-

Ø26mm
45mm

Audible Reversing Indicator (ARI)	Part No.	V	dB(A)	A		✔
	125-001	12/24	90	0.4A	300mm	EMC
	126-001	12/24	97	0.4A	300mm	EMC

2.0
4.0   3.25

Warning Alarms

1.70 [43]
1.09 [28]
1.29 [33]
1.76 [45]
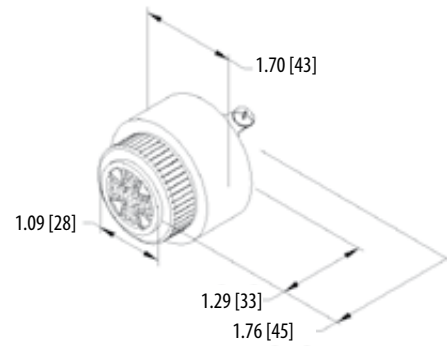
Features:

- Panel mount 32mm hole
- Ideal for in-cab warning
- Piezo electronics

	Part No.	V	dB(A)	A		✔
Fast pulse	120-001	12-48	80	0.1A	4-40 Screw Connection	EMC, ⓊⓁ
Slow pulse	120-002	12-48	80	0.1A	4-40 Screw Connection	EMC
Dual mode	120-003	12-48	80	0.1A	4-40 Screw Connection	EMC
Loud continuous	120-004	12-48	80	0.1A	4-40 Screw Connection	EMC
Medium continuous	121-001	12-48	68	0.1A	4-40 Screw Connection	EMC, ⓊⓁ

Reversing Alarms

Special Purpose Alarms

SAE APPROVED

Dual Function Alarm	Part No.	V	dB(A)	A			✓
	532-000	12/24	102 Reverse/ Dual Tone	0.5A	1m also with		SAE J994 Type F EMC

Constant Tone Alarm	Part No.	V	dB(A)	A			✓
	590-001	12/24	102	0.5A	150mm		EMC, ⊕

Dual Tone Alarm	Part No.	V	dB(A)	A			✓
	591-001	12/24	97	0.5A	1m		EMC

Forward Horn Alarm	Part No.	V	dB(A)	A			✓
Designed for SCR controlled electric vehicles or heavy vibration IL vehicles	**592-000**	12	107	0.5A	40mm with spade		SAE J1105 Type L EMC, ⊕
	593-000	24-48	107	0.7A	40mm with spade		EMC, ⊕

Multi-Frequency Alarms

The Multi-Frequency back-up alarm provides a solution to potential noise pollution created by back-up alarms in confined or densely populated work areas. The Multi-Frequency alarm maintains a safe warning signal for those in the danger zone of backing vehicles while minimising disturbance to work site neighbours. The Multi-Frequency alarm operates by emitting sound at multiple frequencies attenuated above 4000Hz so that the sound is perceived to dissipate more quickly than a conventional pure-tone alarm.

In addition, driver technology used in the EA7020 and EA7070 models extends the life expectancy of the alarm, so much so, that a vehicles life warranty is offered.

Features:
• Universal mounting bracket maximises location options
• Lead wire
• Sealed in epoxy for protection against dust, moisture and vibration
• Temperature range: -40°C to +85°C
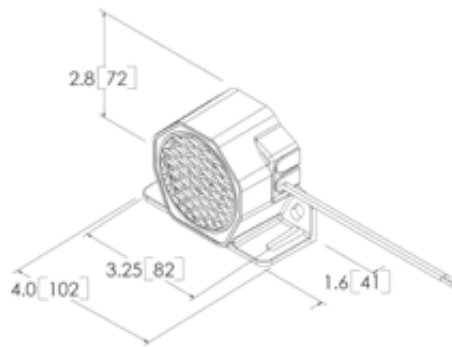
Part No.	V	dB(A)	A			
EA5820	12/24	82	0.34A	276mm	SAE J994 EMC AMECA	**82** dB(A)
EA5050	12/24	87	0.34A	276mm		**87** dB(A)
EA5920	12/24	92	1.0A	276mm		**92** dB(A)
EA5200	12/24	97	1.0A	276mm		**97** dB(A)
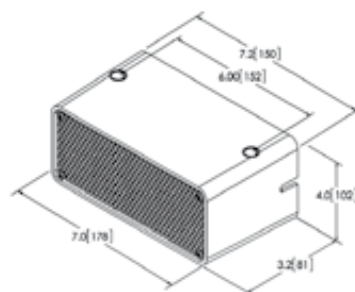
Part No.	V	dB(A)	A			
EA7020	12/24	102	0.6A	292mm	SAE J994 EMC AMECA	**102** dB(A)
EA7070	12/24	107	0.8A	292mm		**107** dB(A)

Application Matrix

Standard	LIGHT DUTY		MEDIUM DUTY		HEAVY DUTY		FORKLIFT	
	Part No.	dB(A)	Part No.	dB(A)	Part No.	dB(A)	Part No.	dB(A)
STANDARD ALARMS			520-001	97	630-001 810-001 830-001	107 97 107	580-001 585-001	87 97
SMART ALARMS			950-001	82-102	901-001 917-001 914-001	82-107 87-112 87-112	931-001 951-001	82-102 77-97
HI NOISE	575-001	107	630-001	107	850-001 876-001	112 112	630-001	107
NIGHT SILENT (via switch or double engaged reverse gear)			515-004 515-002	90-0 90-0	520-004	97-0		
NIGHT REDUCED (via switch or double engaged reverse gear)			515-003	90-78	520-003	97-87		
NIGHT REDUCTION (Smart)			951-001	77-97	901-001	82-107		
BUDGET +			505-001	87	610-001	97		
BUDGET	125-001 126-001	90 97						
MULTI-FREQUENCY ALARMS			EA5820 EA5050 EA5920 EA5200	82 87 92 97	EA7020 EA7070	102 107		

Complete Systems

Gemineye™ 2 Camera Capable Kit

Kit includes:
- **Monitor**
- **1 camera**
- **20m extension lead**
- **Power/connection loom**

✓ EMC

Cost-effective solution

K7000B	7.0" Monitor

Touch Control 3 Camera Capable Kit

7.0" monitor shown

Kit includes:
- **Touch control monitor**
- **1 camera**
- **20m extension lead**
- **Power/connection loom**

✓ EMC

Screen protector and sunshade

140-550	5.0" Monitor
140-750	7.0" Monitor

4 Camera Capable Kit - Single Image

5.6" monitor shown

Kit includes:
- **Monitor**
- **1 camera**
- **20m extension lead**
- **Power/connection loom**

✓ EMC

Shutter camera capable

DAC1001	5.6" Monitor
DAC1002	7.0" Monitor

4 Camera Capable Kit - Multi Image

Kit includes:
- **Monitor**
- **1 camera**
- **20m extension lead**
- **Power/connection loom**

✓ EMC

Shutter camera capable
Split screen option

DAC1003	7.0" Monitor

4 Camera Capable Kit - with Shutter Camera

Kit includes:
- **Monitor**
- **1 shutter camera**
- **20m extension lead**
- **Power/connection loom**

✓ EMC

Shutter camera capable
Split screen option

DAC1021	7.0" Monitor

Premium Systems

3 Camera Capable Kits - with Touch Screen Operation

7.0" monitor shown

Kit includes:
- Monitor
- 1 camera
- 20m extension lead
- Power/connection loom

✓ EMC

Screen protector and sunshade
Bespoke options can be
designed on request.

EC5603-SVK 5.0" Colour CCTV Kit

EC7003-SVK 7.0" Colour CCTV Kit

Cameras

Gemineye Camera

Features include:
- Day/night sensor
- Pixels 580 x 492
- Lens angle 120°
- Operating temp -30°C - +70°C
- Cmos technology
- 4 pin

↔ (H) 76.5mm including bracket.
(W) 74.2mm (D) 66.5mm

✓ IP69K
EMC

Cost-effective solution

C2013B

Standard Camera 90° View

Features include:
- Day/night sensor
- Pixels 640 x 480
- Lens angle 90°
- Operating temp -20°C - +60°C
- Cmos technology
- 4 pin

↔ (H) 72mm including bracket.
(W) 86.6mm (D) 75.1mm

✓ IP69K
EMC

Standard solution

142-050

Standard Camera 90° View with Stainless Steel Shroud and Bracket

Features include:
- Day/night sensor
- Pixels 640 x 480
- Lens angle 90°
- Operating temp -20°C - +60°C
- Cmos technology
- 4 pin

↔ (H) 72mm including bracket.
(W) 86.6mm (D) 75.1mm

✓ IP69K
EMC

142-052

CCTV Reversing Safety

Cameras

Standard Camera 180° View

Features include:
- Day/night sensor
- Pixels 512 x 582
- Lens angle 180°
- Operating temp -20°C - +70°C
- CCD technology
- 4 pin

(H) 72mm including bracket. (W) 86.6mm (D) 75.1mm

✓ IP69K EMC

Wide-angle solution

DAC1006

Standard Shutter Camera*

Features include:
- Day/night sensor
- Pixels 512 x 582
- Lens angle 180°
- Operating temp -20°C - +70°C
- 5 pin connector
- CCD technology

(H) 83.9mm including bracket. (W) 110mm (D) 80.4mm

✓ IP69K EMC

Shutter protects camera when not in use

DAC1005

Multi-Position Shutter Camera*

Features include:
- Day/night sensor
- Pixels 512 x 582
- Lens angle 180°
- Operating temp -20°C - +70°C
- 5 pin connector
- CCD technology
- Two camera viewing positions plus camera park.

(H) 87mm including bracket. (W) 115.5mm (D) 65mm

✓ IP69K EMC

Camera body rotates for protection from extreme condtions

DAC1023

Eyeball Camera

Features include:
- Day/night sensor
- Pixels 512 x 582
- Lens angle 120°
- Operating temp -20°C - +70°C
- CCD technology
- 4 pin

(H) 48mm (W) 57mm (D) 52.2mm

✓ IP69K EMC

DAC1024

*Can only be used with DAC1001, DAC1002, DAC1003, and DAC1021.

CCTV Reversing Safety

Cameras

Sideview/Mirror Camera

Features include:
- Day/night sensor
- Pixels 512 x 582
- Lens angle 120°
- Operating temp -20°C - +70°C
- CCD technology
- 4 pin

(H) 55mm (W) 109mm (D) 110mm

IP69K
EMC

DAC1004

Flush Mount Camera

Features include:
- Pixels 512 x 582
- Lens angle 120°
- Operating temp -20°C - +70°C
- CCD technology
- 4 pin

(W) 30mm (D) 44mm Max.

IP69K
EMC
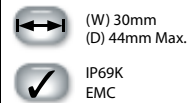
DAC1007

Dome Camera

Features include:
- Pixels 512 x 582
- Lens angle 120°
- Operating temp -20°C - +70°C
- CCD technology
- 4 pin

(W) 118mm (D) 72mm Max.

EMC
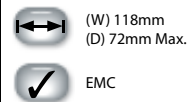
Internal use only

DAC1008

Mini Camera

Features include:
- Day/night sensor
- Pixels 640 x 480
- Lens angle 90°
- Operating temp -20°C - +60°C
- Cmos technology
- 4 pin

(H) 40mm not including bracket. (W) 52mm (D) 55mm

IP69K
EMC
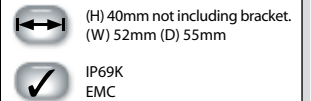
142-051

ECCO Brand Camera

Features include:
- Day/night sensor
- Pixels 500 x 580
- Lens angle 120°
- Operating temp -20°C - +70°C
- CCD technology
- 4 pin

(H) 55mm not including bracket. (W) 78mm (D) 45mm

IP69K
EMC
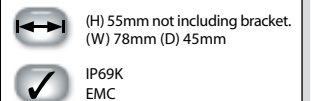
EC2014-SVC

Monitors

Gemineye 7.0" Monitor

(H) 114mm
(W) 174mm (D) 24mm

✓ EMC

Cost-effective solution
2 camera capable

M7000B

Multi-Image 7.0" Monitor

(H) 122mm
(W) 182mm (D) 26mm

✓ EMC

4 camera capable
Split screen option

DAC1011

Single Image Monitors

5.6" monitor   7.0" monitor

EC5603-SVM 5.6" Monitor
(H) 115mm
(W) 161mm (D) 27mm

EC7003-SVM 7.0" Monitor
(H) 129mm
(W) 185mm (D) 27mm

✓ EMC

Touch control
3 camera capable

Touch Control Monitor

5.0" monitor shown

141-950   5.0" Monitor
(H) 107mm
(W) 156mm (D) 32mm

141-970   7.0" Monitor
(H) 139mm
(W) 225mm (D) 34mm

✓ EMC

Touch control
3 camera capable

Monitors

Mirror Monitor

| (H) 79mm (W) 278mm (D) 35mm |
| ✓ EMC |
| Touch control Single camera input |
| **DAC1026   4.3" Monitor** |

Standard Monitors

DAC1009   5.6" Monitor
(H) 136mm (W) 145mm (D) 32mm

DAC1010   7.0" Monitor
(H) 122mm (W) 182mm (D) 26mm

✓ EMC

Heavy Duty IP Rated Monitor

(H) 154mm (W) 225mm (D) 34mm

✓ IP69K EMC

DAC1025

Accessories

Monitor Power / Camera Loom

	22 pin
	DAC1013

Monitor Power / Camera Loom

	13 pin
	DAC1012

Single Camera Cable Extension

10m 4 pin cable extension for standard cameras	**DAC1015**
20m 4 pin cable extension for standard cameras	**DAC1016**
10m 5 pin cable extension for shutter cameras	**DAC1017**
20m 5 pin cable extension for shutter cameras	**DAC1018**

Accessories

Susie Cable Kit

Susie extension kit with adaptors to fit all monitors and cameras

143-006

Monitor Mounting Bracket

Centre mount monitor bracket, self adhesive and flexible for various mounting

DAC1014

Adaptor Leads

5 pin to 4 pin adaptor

Converts shutter camera input to a standard input

147-005

Adaptor Leads

Each kit contains 2 adaptors for adding cameras or monitors where different connections may be used

147-101

147-102
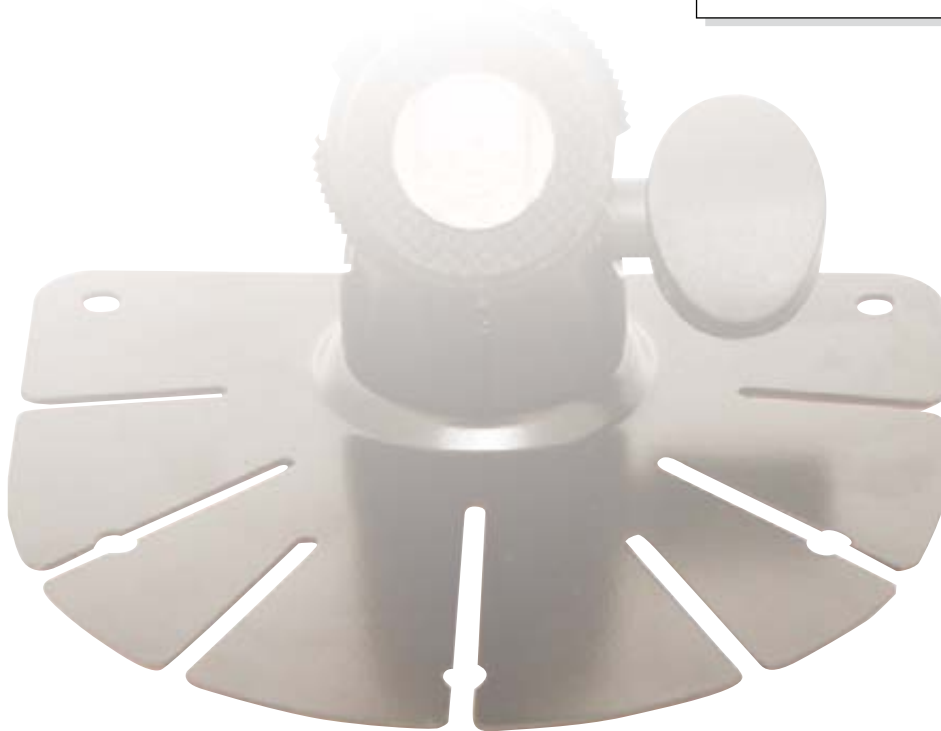
Blind Spot Mirrors

Universal Half Round Safety Mirror | 160-001

Universal, half round safety mirror for use on fork lift trucks, construction equipment and agricultural machinery.

Material:
Glass lens, High Impact resistant ABS mirror body

Suitable for mirror arms:
10mm-20mm diameter

280mm   160mm

Universal Safety Mirror | 160-002

Universal safety mirror for use on construction equipment and agricultural machinery.

Material:
Glass lens, Black powder coated aluminium body

Suitable for mirror arms:
10mm-20mm diameter

315mm   250mm

Front View Safety Mirror | 160-003

"E" approved class VI front view safety mirror. The spherical radius lens gives a constant image allowing for accurate judging of distances. Approved to 2005/27/EC, this relates to the type-approval of devices for indirect vision and of vehicles equipped with these devices.

Material:
Plastic lens, High impact resistant ABS mirror body

Suitable for mirror arms:
10mm-20mm diameter

Ø 370mm   ✓ 2005/27/EC

Universal Direct Mount Mirror Arm | 160-101

340mm

Ø 16mm

Universal Construction Vehicle Mirror Arm (Long) | 160-102

650mm

Ø 18mm
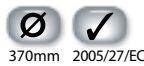
Universal Construction Vehicle Mirror Arm (Short) | 160-103

360mm

Ø 18mm
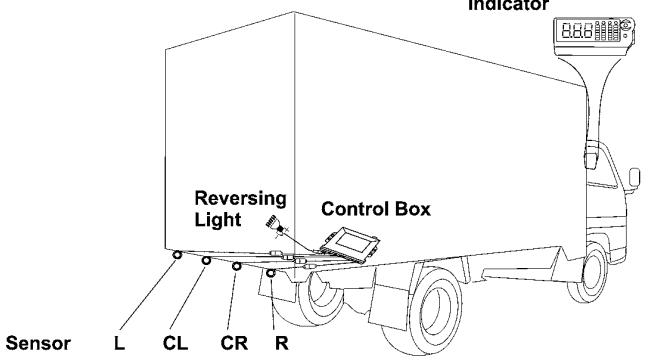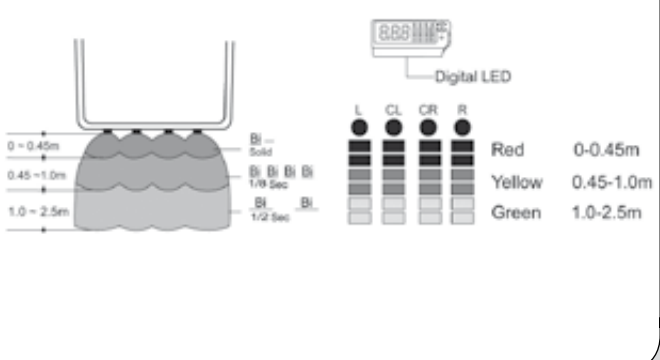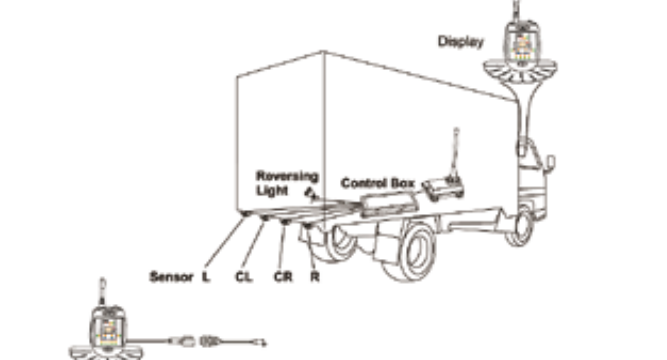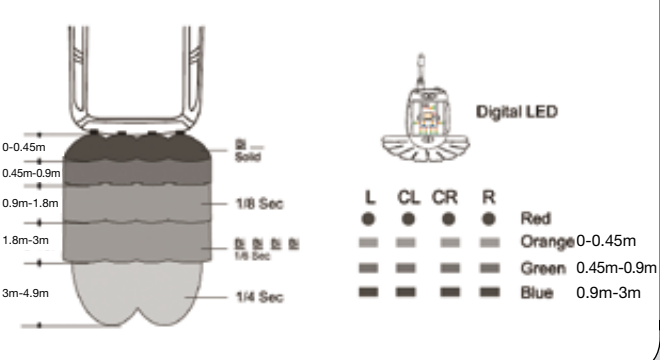
Universal fixing method

Reversing Sensors

- Reversing sensor kits suitable for light to heavy goods vehicles
- Utilising the latest RF technology
- Robust and reliable

Wireless Medium Duty Reversing Sensor Kit | 12/24V

Connection:	Wireless (RF)
Operating temp:	-20°C to +80°C (sensors)
Kit contains:	Display, control box and 4 sensors

150-201
for plastic bumpers
150-202
for metal bumpers

✔ EMC

Indicator

Reversing Light   Control Box

Sensor   L   CL   CR   R

Digital LED

	L	CL	CR	R		
Red					0-0.45m
Yellow					0.45-1.0m
Green					1.0-2.5m

Wireless Heavy Duty Reversing Sensor Kit | 12/24V

Connection:	Wireless (RF)
Operating temp:	-40°C to +80°C (sensors)
Kit contains:	Display, control box, transmitter and 4 sensors

150-301

✔ EMC

Display

Reversing Light   Control Box

Sensor   L   CL   CR   R

Digital LED

	L	CL	CR	R		
Red					
Orange					0-0.45m
Green					0.45m-0.9m
Blue					0.9m-3m

0-0.45m
0.45m-0.9m
0.9m-1.8m
1.8m-3m
3m-4.9m

Sirens, Speakers and Message Display

As part of the ECCO Group, Vision Alert's range of sirens and speakers are backed by the expertise and experience of Hazard Systems, a global market leader in the sirens market.

Our sirens are able to generate a wide range of tones, complying with most European siren tone specifications.

Premium Siren Amplifier

Use in conjunction with the 385-030 world renowned SLIC controller to control your siren and lightbar. This combination can also be used to control a wide variety of lighting systems.

Features

- Voice record / Playback
- Wail, yelp and hi-lo tones, user selectable
- Public address – volume control and microphone
- 8 x lighting control relays – user configurable
- Over voltage, over temperature and polarity protected

- Can be configured for Airhorn or phaser tones
- 60 Watt or 100 Watt output
- Softstart siren
- Radio re-broadcast
- Manual wail

Siren Amplifier Kit 1000 Series

	12V	24V		
	385-026	385-027	Full Kit	(includes all components listed below)
	385-028	385-029	Amp	
	385-030	385-030	SLIC control pad	
	385-031	385-031	Loom	
	385-032	385-032	Microphone	

VA 150 Siren

	385.003	12V
	Phaser, wail, yelp Public Address microphone	

CS200 Series Sirens

	CS201	12 or 24V versions available Up to 200 Watts output Siren/tone scroll, air horn, cancel
	CS202	CS202 adds 3 warning level buttons, manual siren, radio re-broadcast, lighting control button, customer specific tones available on request

Bumper Speaker

	385.033	Speaker 128dB under bumper
	100W	

Speaker

	385.034	Flat Speaker
	For up to 100W siren amp	

100W Speaker

	385.010	11 Ω nominal impedance

Bespoke options can be designed on request.

LED Message Master
Warning Sign Matrix

Featuring new electronics, latest surface mount LEDs, bespoke optics and a new touch screen OLED control panel this product takes the message display into a new age.

LED Message Master Controller	Kit Part No.	Voltage	LED Colour
	HD0012R	10-30V	Red
	HD0012W	10-30V	White
	HD0012A	10-30V	Amber

Message Master LED Display Panel

✔ EMC

LED Display Panel features:

- New low profile design
- IP67 sealed enclosure and connections
- High brightness LED display with extra wide viewing angle
- Innovative optical design to improve legibility and reduce sunshine washout
- Flexible mounting options – auto text rotation for mounting upside-down
- 10-30V operation

Control Box features:

- O-LED graphic touchscreen display
- Micro-SD message storage and firmware
- PC message programmer
- Adhesive tape mounting or swivel-mount option
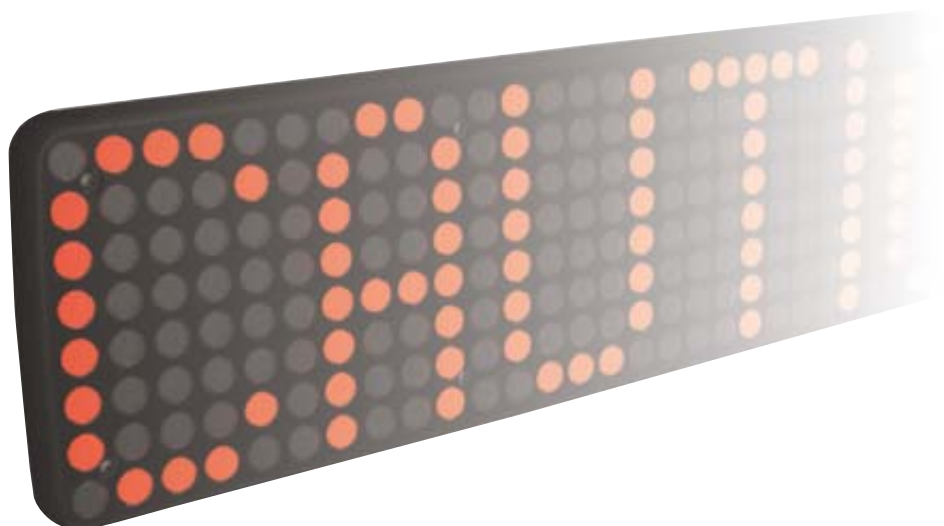
Accessories

Vision Alert's range of warning and safety products is complemented by a comprehensive range of auto electrical accessories. The range includes power supply units for xenon strobe devices, switch packs, individual switches, mounting adapters, along with a wide range of premium quality plugs and sockets for auxiliary components.
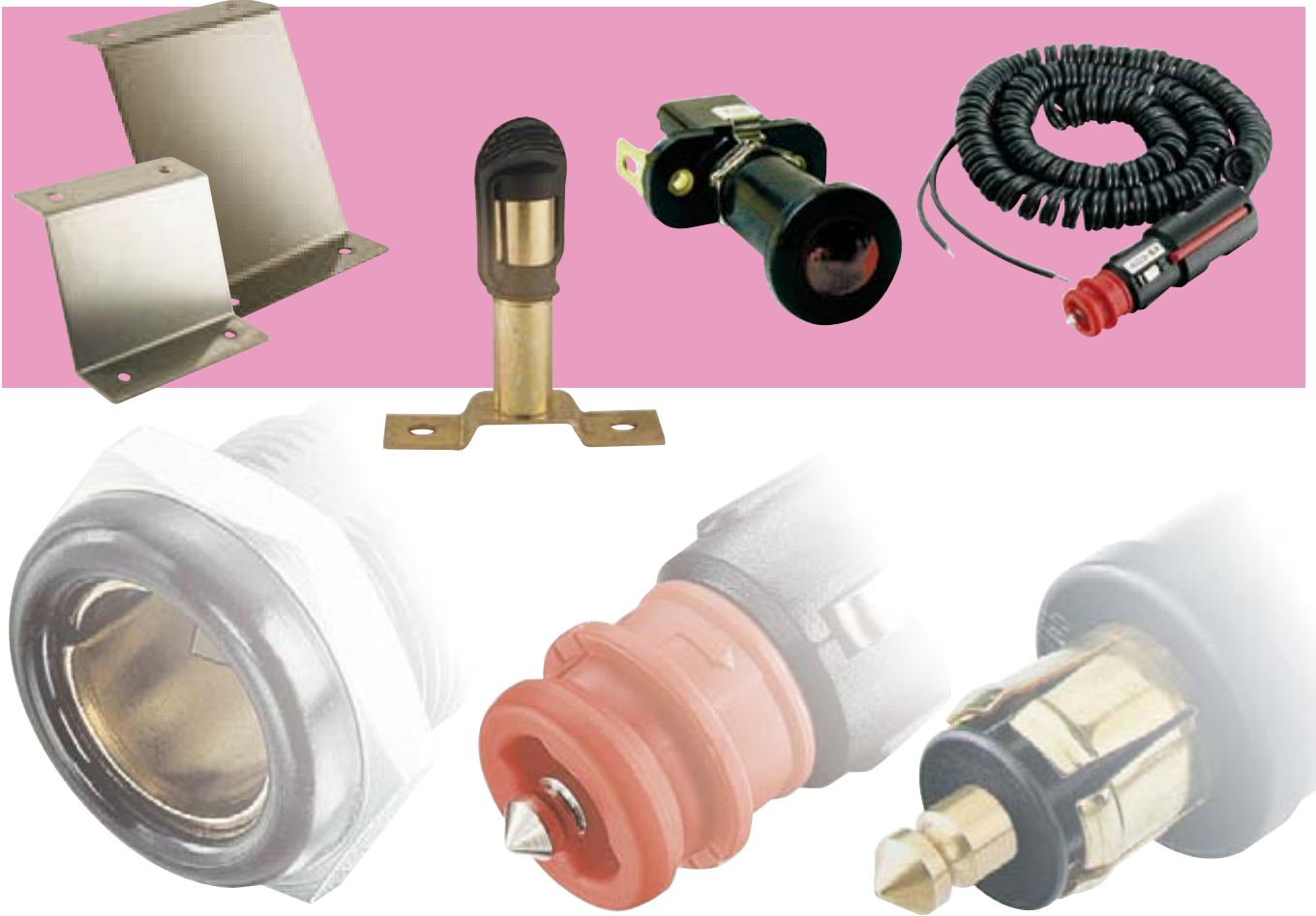
PSUs and Flasher Units

Quantum PSU

100.093	10 - 30V, 50W

- 4 Output Xenon Power Supply
- Heads selectable in pairs
- 8 Flash Patterns
- Hi-Lo Intensity

Alternating Flasher Unit

999.107	12/24V

70 Watts per channel (max)
Insulated Earth Return required

Quantum PSU

100.311	10 - 30V, 60W

- 4 Output Xenon Power Supply
- Selectable Double/ Quad Flash
- Hi-Lo Intensity
- Epoxy filled
- Weather proof connectors

Double PSU

100.304	10 - 30V, 30W

- 2 Output Xenon Power Supply
- Selectable Double/Quad Flash
- Hi-Lo Intensity
- Epoxy filled
- Weather proof connectors

Accessories
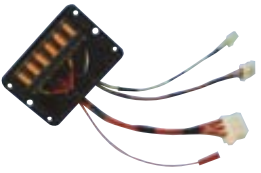
Switch Packs

2 Way Switch Pack

200.041	12V
200.042	24V
2 way switch pack *10 Amps max per switch @ 12V* *5 Amps max per switch @ 24V*	

4 Way Switch Pack

200.051	12V
200.052	24V
4 way switch pack *10 Amps max per switch @ 12V* *5 Amps max per switch @ 24V*	

Keyless Running System

100.333	12V
100.334	24V
System which allows the vehicle engine to continue running after the ignition key is removed. With anti-theft stalling feature.	

Triple Power Socket

67601500	12V
Triple power socket with Universal Plug 16A, Connection possible to all cigarette lighter sockets and DIN standard sockets. 12-24V, 16A max. with three sockets. Internal Ø: 21mm Cable: 2 x 1.5mm² flat cable. Length: 2.0m	

Switches

Battery Isolator Switch

200.008	Battery Isolator Switch - 100A
100 Amp 24V (500 Amp for 5 seconds) Complete with removable key	

Waterproof Switch

100.049	Push On/Off Waterproof
Waterproof push On/Off	

Push/Pull Switches

200.009	Push/pull Switch - Red
200.010	Push/pull Switch - Green
200.014	Push/pull Switch - Amber
10 Amp @ 12V illuminated switch push/pull, plastic shaft, Red, Green, White & Amber	

Toggle Switch

200.020	Toggle Switch
20 Amp @ 12V Toggle On/Off, Chrome	

Illuminated Switch

200.023	Illuminated Switch
10 Amp @ 12V with interchangeable lens Red, Green, & Amber, dual voltage, supplied with 12V bulb, push/pull	

Bendable Universal Pug with Switch

67746000	Bendable Universal Plug with Switch
8A/12-24V, with single-pole circuit breaker 8A, rocker switch imprinted with 0-I. The plug is bendable up to 180°, with screwed terminals, adaptor that can be firmly positioned by a bayonet catch, fitting for cigarette lighter and standard sockets.	

Accessories

Plugs and Sockets

Universal Plug

67713000	8A 12-24V Plug
67713010	16A 12-24V Plug
With maze-like strain relief	

Universal Plug

67711010	16A 12-24V Plug
With screwed strain relief	

Safety Universal Plug

67714000	8A 12-24V Safety Plug
With maze-like strain relief	

Fused

Safety Universal Plug

67712000	8A 12-24V Safety Plug
With screwed strain relief	

Fused

Safety Universal Plug

67712100	8A 12-24V Safety Plug
With screwed strain relief and LED	

Fused

Standard Plug 8A

57725002	8A 12-24V Standard DIN Plug
With soldered contacts	

Standard DIN Plug 12A

58078300	12A 12-24V Standard DIN Plug
With screw terminals and strain relief	

DIN Socket

57607000	16A 12-24V DIN Socket
Requires Ø 18mm opening	

Triple DIN Socket 16A

57612002	16A 12/24V Triple DIN Socket
34mm x 94mm	

DIN Socket & Dust Cap

57607002	16A 12/24V DIN Plug with dust and splash proof cap
Dust and splash proof socket Requires Ø 18mm opening	

Accessories

Plugs and Sockets

Metal DIN Socket 16A

53114320	16A 12/24V Metal DIN Socket with spring loaded cap
	With spring loaded protective cap Requires Ø 18mm opening

Waterproof DIN Socket

52005000	8A 12-24V
	• IP67 Rated • Screw cap • 300mm cable

Set-on Socket Outlet with Protective Cap

57608002	16A 12-24V Surface Mount Socket and cap
	Dust/Splash-proof cap 6.3mm flat terminals

Power Socket to SAE Standard

68040860	20A Socket Outlet with protective cap
	Requires 27.8mm opening Fixing by clip mounting

Universal Plug with Flat Cable

67834000	8A Flat cable with fused Safety Universal Plug
	With 4.0m flat cable

Universal Plug with Helix Cable

67837000	8A 12/24V Helix cable with Universal Plug
	With 0.6m - 3.0m Helix cable

Safety Universal Plug Extension Cable - Helix

67814100	8A 12-24V Safety Universal Plug Extension cable - flat
	With 4.0m flat cable

Fused

Safety Universal Plug Extension Cable - Helix

67818100	8A 12-24V Safety Universal Plug Extension Cable - Helix
	With 0.6m - 3.0m Helix cable

Fused

Twin Socket Connector

67879000	Twin Socket Connector
	Connection is possible in all sockets for cigarette lighters, two large sockets (interior Ø 21mm), 12-24V, 2 x 8A max. Integrated interchangeable 16A fuse. 2 x 0,75mm² flat cable, length 0.25 m.

Fused

USB Built-in Socket 12V DC / 5 V DC 1000mA

67311000	USB Built-in Socket
	12V DC / 5V DC 1000mA with integrated power voltage converter, for charging and operating sat navs, smartphones, mobile phones, PDAs, digital cameras and devices suitable for charging by 5Volt USB. Fastening by plastic screw nut. Installation dimensions Ø 27.8mm, cable connection approx. 150mm pre-assembled.

Accessories

Fixing Kits

Roofbar Fixing Brackets

999.547	1 Bolt Beacon Kit
999.568	Blaze Bar Kit
999.569	**Lightbar Kit** – fits most roofbar sizes

High Lift Feet

905.010	Pair of stainless steel 100mm high lift feet
905.011	Pair of stainless steel 150mm high lift feet

Pole Mount Bracket

100.056	Straight fixing bracket for DIN pole mount products with integral single contact socket

Pole Mount Bracket

100.057	Welded fixing bracket for DIN pole mount products with integral single contact socket

Pole Mount Bracket

100.058	Screw fixing bracket for DIN pole mount products with integral single contact socket

Pole Mount Bracket

100.059	Side fixing bracket for DIN pole mount products with integral single contact socket

Pole Mount Bracket

100.074	Fold down fixing bracket for DIN pole mount products with integral singel contact socket

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