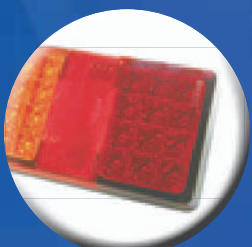
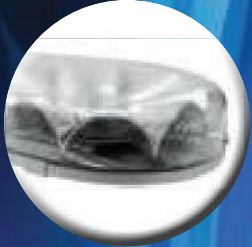


.....  
Emergency  
Vehicle Lighting  
.....

.....  
Commercial  
Vehicle Lighting  
.....

.....  
Reversing  
Safety Systems  
.....





LAP Electrical is proud to be a UK based manufacturer of high-quality automotive electro-mechanical products.



**LAP Electrical** is an established name in the development and production of automotive electro-mechanical products with over 25 years' experience within the OEM and aftermarket sectors in the construction, agricultural and road-going vehicle markets.

LAP is a privately owned company employing 75 people at our 3000m<sup>2</sup> site in Birmingham, UK which combines production, design and management functions. We have developed an efficient and flexible manufacturing and distribution operation, making us ideally placed to respond to production demands and new design opportunities.

Our quality standards, manufacturing flexibility and customer care values are key to our continuing successful growth.



LAP Electrical est un concepteur et fabricant reconnu de produits électromécaniques automobiles, avec plus de 25 ans d'expérience auprès des équipementiers et du marché secondaire dans les secteurs du bâtiment, de l'agriculture et des véhicules routiers.

LAP est une entreprise privée employant 75 personnes sur son site de 3000 m<sup>2</sup> à Birmingham (R.-U.), lequel rassemble les services de production, de conception et de gestion. Nous avons mis en place une activité de fabrication et de distribution efficace et flexible, qui nous permet de répondre aisément aux demandes de production et de tirer parti de nouvelles possibilités de conception.

Nos normes de qualité, notre flexibilité de production et les valeurs de notre service à la clientèle sont des éléments essentiels à la poursuite de notre croissance.



LAP Electrical ist ein etablierter Name in der Entwicklung und Produktion von elektromechanischen Komponenten für die Automobilindustrie. Das Unternehmen kann auf mehr als 25 Jahre Erfahrung in den Erstausrüster- und Zubehörsektoren in den Bereichen Bauwesen, Landwirtschaft und Straßenfahrzeuge verweisen.

LAP befindet sich in Privatbesitz. Wir beschäftigen 75 Mitarbeiter an unserem 3000 m<sup>2</sup> großen Standort in Birmingham, Großbritannien, der Produktion, Design und Managementfunktionen in sich vereint. Wir haben einen effizienten und flexiblen Produktions- und Vertriebsbetrieb entwickelt, der uns eine ideale Stellung für rasche Reaktionen auf neue Produktionsanforderungen und innovative Designmöglichkeiten verschafft.

Unsere hohen Qualitätsstandards, Produktionsflexibilität und Kundenservice sind der Schlüssel zu unserem anhaltend erfolgreichen Geschäftswachstum.



LAP Electrical è da oltre 25 anni una società affermata nella progettazione e produzione di prodotti elettromeccanici per il settore auto OEM e aftermarket, sui mercati dei veicoli da costruzione, agricoli e stradali.

LAP è una società a capitale privato, la cui sede a Birmingham (Regno Unito) occupa 3.000 m<sup>2</sup> e impiega 75 dipendenti nelle attività di produzione, progettazione e management. Le nostre efficienti e flessibili procedure di produzione e distribuzione ci consentono di far fronte alle richieste del mercato e di cogliere nuove opportunità di progettazione.

I nostri standard qualitativi, la nostra flessibilità produttiva e la nostra attenzione al cliente sono alla base della nostra crescita continua e del nostro successo.



LAP Electrical es un nombre reconocido en el desarrollo y la producción de productos electromecánicos para automotores con más de 25 años de experiencia en el sector de repuestos y equipos originales para el mercado de automóviles y vehículos utilizados en la agricultura y la construcción.

LAP es una empresa privada que cuenta con 75 empleados en su planta de 3000 metros cuadrados en Birmingham, Reino Unido, en la que se combinan las funciones de producción, diseño y gestión. Hemos desarrollado un proceso de fabricación y distribución flexible y eficiente el cual nos coloca en una posición inmejorable para responder a las exigencias de la producción y las oportunidades de nuevos diseños.

Nuestros estándares de calidad, flexibilidad en la fabricación y una cuidadosa atención a los clientes son la clave de nuestro continuo y exitoso desarrollo.





*Our flexible manufacturing and distribution operation enables us to rapidly respond to customer demand from around the globe.*

## Engineering Excellence

LAP Electrical is at heart an engineering company with new product design and continuous development of our existing range being central to our ability to provide a first class service to all of our customers. Our extensive engineering capabilities (including 3D CAD facilities) enable us to work closely with other businesses to ensure all of our products meet their requirements.

Our vehicle specific product ranges such as Fuel Senders and PCV Valves are custom designed in tandem with our O.E. customers in the automotive and construction sectors. However, our focus on engineering excellence applies equally to the Emergency Lighting, Commercial Vehicle Lighting and Reversing Safety ranges that are showcased in this catalogue.

Our design, quality and product engineering teams are totally integrated at our manufacturing base in Birmingham enabling us to rapidly bring new innovations to market whilst building a responsive partnership with all our clients, whatever their size.

## Flexible Manufacturing

Ongoing investment in the latest automated assembly plant and equipment has enabled us to expand our total production capability to more than 2½ million finished units per annum. Along with the flexibility of our multi-skilled labour force, this allows us to tailor production in-line with client requirements.

With a 900m<sup>2</sup> warehouse unit adjacent to our manufacturing base, we work with the leading distribution companies to ensure our products are rapidly delivered to customers worldwide.

Accreditation to the TS16949 quality management standard is a cornerstone of our position as a key supplier to major manufacturers in the automotive world such as Ford and Jaguar Land Rover. However, it is just one part of our overall product focus – we also incorporate electronic test facilities for 100% checking at the end of our assembly lines and are always working to reinforce the reputation for quality and reliability that the LAP brand carries.





## Worldwide Customer Base

LAP Electrical exports to over 50 countries worldwide.

- AUSTRALIA
- AUSTRIA
- BAHRAIN
- BELGIUM
- BRAZIL
- CHINA
- CZECH REPUBLIC
- DENMARK
- DUBAI
- ESTONIA
- FINLAND
- FRANCE
- GERMANY
- GREECE
- HOLLAND
- HUNGARY
- ICELAND
- INDIA
- ISRAEL
- ITALY
- JAPAN
- JORDAN
- KENYA
- KOREA
- LATVIA
- LITHUANIA
- MALAYSIA
- MEXICO
- MOROCCO
- NEW CALEDONIA
- NEW ZEALAND
- NORWAY
- PERU
- POLAND
- PORTUGAL
- QATAR
- REPUBLIC OF IRELAND
- ROMANIA
- RUSSIA
- SAUDI ARABIA
- SHARJAH
- SINGAPORE
- SLOVAKIA
- SLOVENIA
- SOUTH AFRICA
- SPAIN
- SULTANATE OF OMAN
- SWEDEN
- THAILAND
- TURKEY
- USA





PCV Valves



Fuel Senders & Modules



Fuel & Vent Lines



Classic & Aftermarket Signal Lamps



Wiper Motor Systems



Defence Products



MTA Authorised Distributor



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# ROTATING BEACONS

LAP Electrical Ltd is a firmly established name in the manufacture of emergency lighting beacons.

Our popular range of rotating beacons are designed to provide superior light output for maximum visibility.



### Main Features

- EMC approved (ECE R10)
- 12V or Dual Voltage (12/24V) options
- Reverse polarity protection
- Robust design
- 70mph rated on magnetic version
- Meets IP56 international protection standards
- -30°C to +50°C extreme temperature reliability
- Unique maintenance free direct drive mechanism provides low noise operation



### Materials

- High performance ABS base
- Non-fading acrylic or polycarbonate lens

### Replacement Parts

- Lens

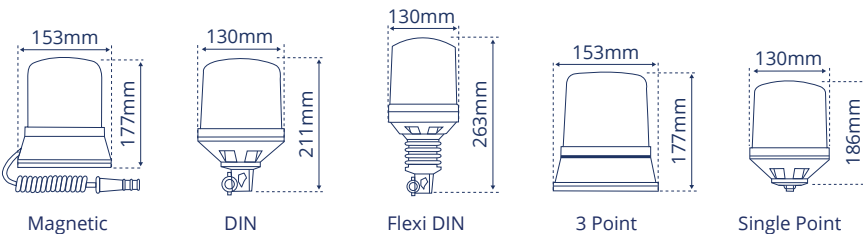
### Warranty

- LAP offer a 12 month or 2000 hour guarantee on our products, subject to the item being fitted and used in accordance with the correct instructions.

### Colours



### Applications



Part No	Voltage	Action	Colours	Current Consumption 12/24V	Flash Rate (Per min)	Mounting	Weight KG (Approx)
LAP259	12V	Rotating	A/B/R/G	4.6A	180	Magnetic	1.07
LAP260	12/24V	Rotating	A/B/R/G	4.6/3.0A	180	Magnetic	1.07
LAP269	12V	Rotating	A/B/R/G	4.6A	180	DIN	0.75
LAP270	12/24V	Rotating	A/B/R/G	4.6/3.0A	180	DIN	0.75
LAP271	12V	Rotating	A/B/R/G	4.6A	180	Flexi DIN	0.80
LAP272	12/24V	Rotating	A/B/R/G	4.6/3.0A	180	Flexi DIN	0.80
LAP254	12V	Rotating	A/B/R/G	4.6A	180	Three Point	0.50
LAP255	12/24V	Rotating	A/B/R/G	4.6/3.0A	180	Three Point	0.50
LAP121	12V	Rotating	A/B/R/G	4.6A	180	Single Point	0.67
LAP122	12/24V	Rotating	A/B/R/G	4.6/3.0A	180	Single Point	0.67

ECE R65 Approval is appropriate to rotating beacons with either an Amber or Blue lens fitted. 12/24V Units are supplied without bulbs.

## ROTATING BEACONS (RMB Range)

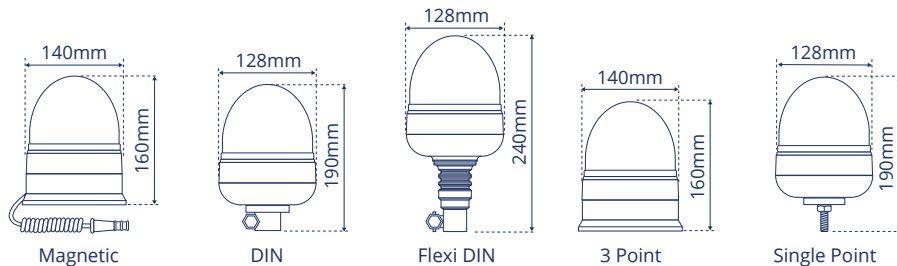
Our new economical range of R65 approved rotating beacons are reliable and durable.



### Main Features

- EMC approved (ECE R10)
- Dual Voltage (12/24V)
- 40mph rated on magnetic version
- Reverse polarity protection
- Supplied with 12V and 24V bulbs
- -15°C to +40°C extreme temperature reliability
- Maintenance free worm drive mechanism
- 12 month warranty

### Colour Applications



## ROTATING AND LED 'AGRI' BEACONS (RCB040 Range)

With a Flexi-DIN mounting and available in Rotating and LED models, our low-cost RCB beacons are ideal for agricultural applications.



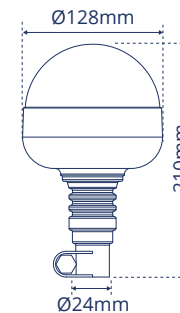
### Main Features - RCB040

- EMC approved (ECE R10)
- ECE R65 approved
- Dual Voltage (12/24V)
- Lightweight (560g)
- Reverse polarity protection
- Supplied with 12V and 24V bulbs
- -15°C to +40°C extreme temperature reliability
- Maintenance free worm drive mechanism
- 12 month warranty

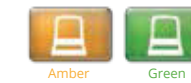


### Main Features - RCB040LED

- EMC approved (ECE R10)
- Voltage 10-30Vdc
- Lightweight (560g)
- 40 LEDs that can operate in 3 selectable flash patterns - rotating, double flash and quad flash
- -15°C to +40°C extreme temperature reliability
- 12 month warranty



### Colours



### Applications





# LED R65 BEACONS (LFB Range)

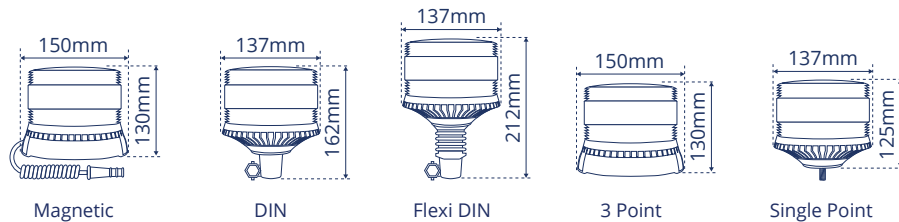
The LFB Range features a robust polycarbonate fresnel lens and 12 x 3W high performance LEDs that can operate in four flash patterns.



### Main Features

- 4 x ECE R65 approved flash patterns (single, double (default), triple, quad)\*
- EMC approved (ECE R10)
- Voltage 10-30Vdc
- 70mph rated on magnetic version
- 3-Point and single point models can be linked for synchronised flash
- Sealed against dust and moisture ingress
- -30°C to +50°C extreme temperature reliability

\*Double flash only on DIN and Flexi-DIN models



Source: Ford Europe

### Materials

- Advanced plastic polyamide heat sink
- High performance ABS base
- Polycarbonate lens

### Warranty

- LAP offer a 24 month guarantee on our LED R65 Beacons, subject to the item being fitted and used in accordance with the correct instructions.

### Colour



Amber

### Applications



Part No	Voltage	Colour	Max Current Consumption 12/24V	Flash Rate (Per min)	Mounting	Weight KG (Approx)
LFB020	10-30V	Amber	2.0/1.3A	120	Magnetic	1.20
LFB030	10-30V	Amber	2.0/1.3A	120	DIN	0.70
LFB040	10-30V	Amber	2.0/1.3A	120	Flexi DIN	0.90
LFB050	10-30V	Amber	2.0/1.3A	120	Three Point	0.70
LFB060	10-30V	Amber	2.0/1.3A	120	Single Point	0.70



# LED R65 BEACONS (LRB Range)

LAP have combined the latest LED technology with advanced optics to provide this unique ECE Reg 65 LED beacon. The powerful LEDs are arranged to produce a brilliant 360 degree flash pattern to provide superior light output for maximum visibility.



### Main Features

- EMC approved (ECE R10)
- Voltage 10-30Vdc
- Robust design
- 70mph rated on magnetic version
- Sealed against dust and moisture ingress
- Very low power consumption
- Double flash
- -30°C to +50°C extreme temperature reliability



Source: Ford Europe

### Materials

- Aluminium Heat Sink
- High performance ABS base
- Polycarbonate lens

### Warranty

- LAP offer a 24 month guarantee on our LED R65 Beacons, subject to the item being fitted and used in accordance with the correct instructions.



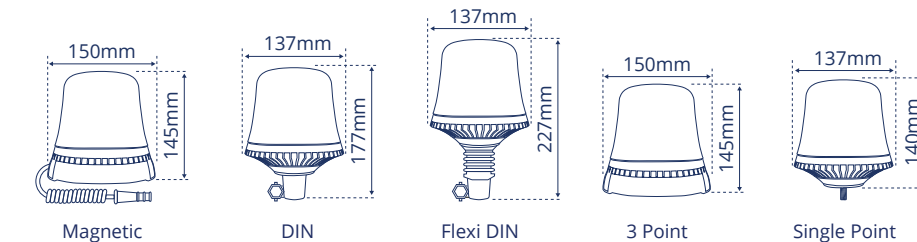
### Colour



### Applications



Part No	Voltage	Action	Colour	Max Current Consumption 12/24V	Flash Rate (Per min)	Mounting	Weight KG (Approx)
LRB020	10-30V	Double Flash	Amber	2.0/1.3A	120	Magnetic	1.40
LRB030	10-30V	Double Flash	Amber	2.0/1.3A	120	DIN	0.90
LRB040	10-30V	Double Flash	Amber	2.0/1.3A	120	Flexi DIN	1.10
LRB050	10-30V	Double Flash	Amber	2.0/1.3A	120	Three Point	0.90
LRB060	10-30V	Double Flash	Amber	2.0/1.3A	120	Single Point	0.90

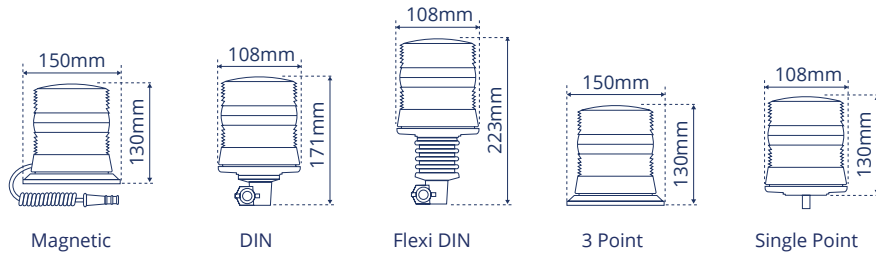


# LED COMPACT BEACONS (LCB Range)

Our LED Compact Beacons feature 4 x 4W high powered LEDs with advanced optics and are ideal for off-road use whilst also being suitable for a variety of vehicle applications.

### Main Features

- EMC approved (ECE R10)
- Voltage 10-30Vdc
- Low profile and compact design
- 70mph rated on magnetic version
- Sealed against dust and moisture ingress
- Very low power consumption
- Double flash
- Meets IP56 international protection standards
- -30°C to +50°C extreme temperature reliability
- 2 year warranty



### Materials

- High performance ABS base
- Acrylic lens

### Warranty

- LAP offer a 24 month guarantee on our compact LED beacons, subject to the item being fitted and used in accordance with the correct instructions.

**40% brighter than our LMB range**

### Colours



### Applications



Part No	Voltage	Action	Colours	Current Consumption 12/24V	Flash Rate (Per min)	Mounting	Weight KG (Approx)
LCB020	10-30Vdc	Double Flash	A/B/R/G	0.6/0.3A	80	Magnetic	1.00
LCB030	10-30Vdc	Double Flash	A/B/R/G	0.6/0.3A	80	DIN	0.50
LCB040	10-30Vdc	Double Flash	A/B/R/G	0.6/0.3A	80	Flexi DIN	0.60
LCB050	10-30Vdc	Double Flash	A/B/R/G	0.6/0.3A	80	Three Point	0.40
LCB060	10-30Vdc	Double Flash	A/B/R/G	0.6/0.3A	80	Single Point	0.40

# LED BEACONS (LMB Range)

Our mid-range LED LMB Beacons feature 40 LEDs that can operate in three flash patterns including simulated rotating.



### Main Features

- EMC approved (ECE R10)
- Fully encapsulated electronics
- Dual Voltage 12/24V
- 40mph rated on magnetic version
- Meets IP65 international protection standards
- 3 selectable flash patterns - rotating, double flash and quad flash

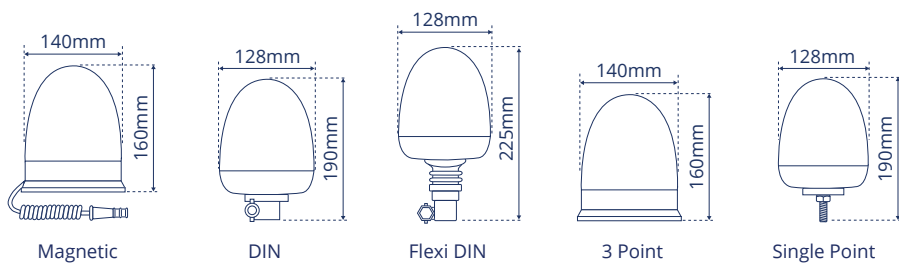


### Materials

- High performance ABS base
- Polycarbonate lens

### Warranty

- LAP offer a 12 month guarantee on our beacons, subject to the item being fitted and used in accordance with the correct instructions.



### Colours



### Applications



Part No	Voltage	Colours	Max Current Consumption 12/24V	Flash Rate (Per min)		Mounting	Weight KG (Approx)
				Double/Quad Flash	Rotating		
LMB020	12/24V	A/B/R/G	1.2/0.6A	75	120	Magnetic	0.60
LMB030	12/24V	A/B/R/G	1.2/0.6A	75	120	DIN	0.52
LMB040	12/24V	A/B/R/G	1.2/0.6A	75	120	Flexi DIN	0.54
LMB050	12/24V	A/B/R/G	1.2/0.6A	75	120	Three Point	0.37
LMB060	12/24V	A/B/R/G	1.2/0.6A	75	120	Single Point	0.49



## LED BEACONS (LSB Range)

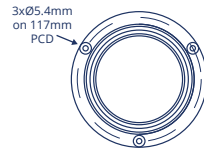
Our LSB beacons are compact, economical and the multi-voltage model is ideal for material handling applications.



### Main Features

- EMC approved (ECE R10)
- Dual Voltage (12/24V) and Multi-Voltage (10-110Vdc) models
- 2 selectable flash patterns - rotating and quad flash
- 40 ultra-bright SMD LEDs (60 on MV model)
- Compact design ideal for limited space
- PCD of 117mm (3 point model)
- Extra strong polycarbonate lens
- Meets IP56 international protection standards
- -30°C to +50°C extreme temperature reliability
- 12 month warranty

### Colour Applications



## LED BEACONS (LLP and LLT Range)

Our high performance, low profile LED Beacons are a cost effective solution for working vehicles of all types that require supplementary warning light devices.



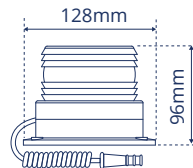
### Main Features

- EMC approved (ECE R10)
- Multi-Voltage (10-100Vdc)
- Fully encapsulated electronics
- Sealed against dust and moisture ingress
- Meets IP67 protection standards
- -30 to +50°C extreme temperature reliability
- Low power consumption (0.1 Amps)
- 4 flash patterns (static, single, double, quad)
- 24 month warranty

### Colours Applications



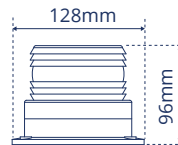
LSB020  
(12/24V)



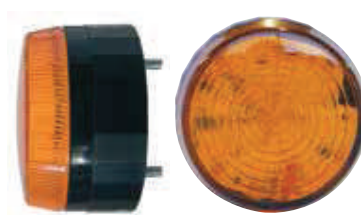
Magnetic



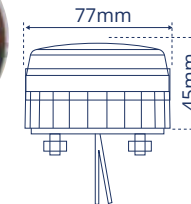
LSB MV050  
(10-110Vdc)



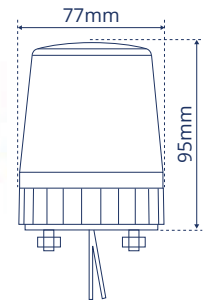
3 Point



LLPMV



LLTMV



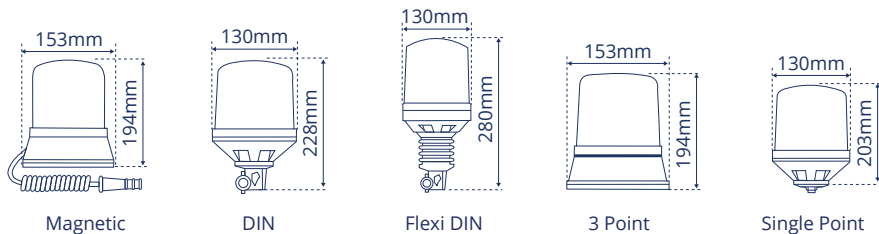
# HIGH POWER XENON BEACONS (XHP Range)

Our high power xenon beacons feature advanced fresnel optics coupled with a 14 Watt high intensity xenon discharge lamp which provides ECE R65 approved visual warning in single and double flash modes.



### Main Features

- 14 Watt
- EMC approved (ECE R10)
- Dual Voltage (12/24V)
- Vibration protected circuits
- Reverse polarity protection
- Built-in option of either single or double flash
- 70mph rated magnetic version
- Meets IP56 international protection standards
- -30°C to +50°C extreme temperature reliability



Source: Ford Europe

### Materials

- High performance ABS base
- Polycarbonate lens

### Replacement Parts

- Lens

### Warranty

- LAP offer a 12 month or 2000 hour guarantee on our products, subject to the item being fitted and used in accordance with the correct instructions.

### Colours



### Applications



Part No	Voltage	Action	Colours	Current Consumption 12/24V	Flash Rate (Per min)	Mounting	Weight KG (Approx)
XHP020	10-30V	Sgl./Dbl.Fl.	A/B/R/G	2.0/1.0A	125	Magnetic	1.40
XHP030	10-30V	Sgl./Dbl.Fl.	A/B/R/G	2.0/1.0A	125	DIN	0.90
XHP040	10-30V	Sgl./Dbl.Fl.	A/B/R/G	2.0/1.0A	125	Flexi DIN	1.00
XHP050	10-30V	Sgl./Dbl.Fl.	A/B/R/G	2.0/1.0A	125	Three Point	0.80
XHP060	10-30V	Sgl./Dbl.Fl.	A/B/R/G	2.0/1.0A	125	Single Point	0.85

ECE R65 Approval is appropriate to XHP range when beacons are operated in a single or double flash mode and fitted with either an Amber or Blue lens.

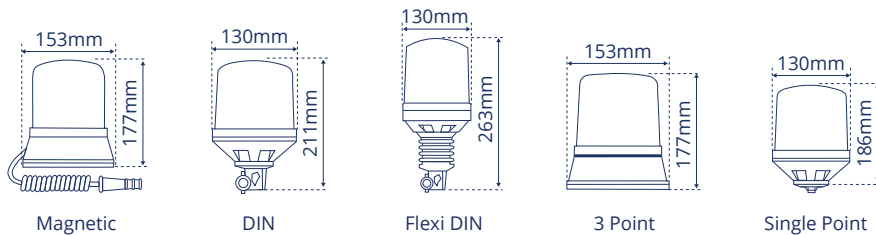
# XENON BEACONS (XNB Range)

With a 7 Watt xenon lamp and inner fresnel lens, our XNB range provides high brightness visual warning in single and double flash modes.



### Main Features

- 7 Watt
- EMC approved (ECE R10)
- Dual Voltage 12/24V
- Vibration protected circuits
- Reverse polarity protection
- Built-in option of either single or double flash
- 70mph rated on magnetic version
- Meets IP56 international protection standards
- -30°C to +50°C extreme temperature reliability



Source: Ford Europe

### Materials

- High performance ABS base
- Non-fading acrylic or polycarbonate lens

### Replacement Parts

- Lens

### Warranty

- LAP offer a 12 month or 2000 hour guarantee on our products, subject to the item being fitted and used in accordance with the correct instructions.

### Colours



### Applications



Part No	Voltage	Action	Colours	Current Consumption 12/24V	Flash Rate (Per min)	Mounting	Weight KG (Approx)
XNB020	10-30V	Sgl./DbI.Fl.	A/B/R/G	1.6/0.8A	125	Magnetic	1.40
XNB030	10-30V	Sgl./DbI.Fl.	A/B/R/G	1.6/0.8A	125	DIN	0.90
XNB040	10-30V	Sgl./DbI.Fl.	A/B/R/G	1.6/0.8A	125	Flexi DIN	1.00
XNB050	10-30V	Sgl./DbI.Fl.	A/B/R/G	1.6/0.8A	125	Three Point	0.80
XNB060	10-30V	Sgl./DbI.Fl.	A/B/R/G	1.6/0.8A	125	Single Point	0.85



# COMPACT XENON BEACONS (XCB Range)

Low power consumption and high durability make this range ideal for plant and contracting, agriculture, utility and fleet vehicles. The low cost 2 Watt version is compact and rugged in design and ideal for off-road use whilst the powerful 6 Watt version is suitable for a variety of vehicle applications.



### Main Features

- Single flash
- Dual Voltage (12/24V)
- EMC approved (ECE R10)
- Low profile and compact design
- 70mph rated on magnetic version
- A choice of either 2 Watt or 6 Watt versions
- Sealed against dust and moisture ingress
- Very low power consumption
- Meets IP56 international protection standards
- -30°C to +50°C extreme temperature reliability

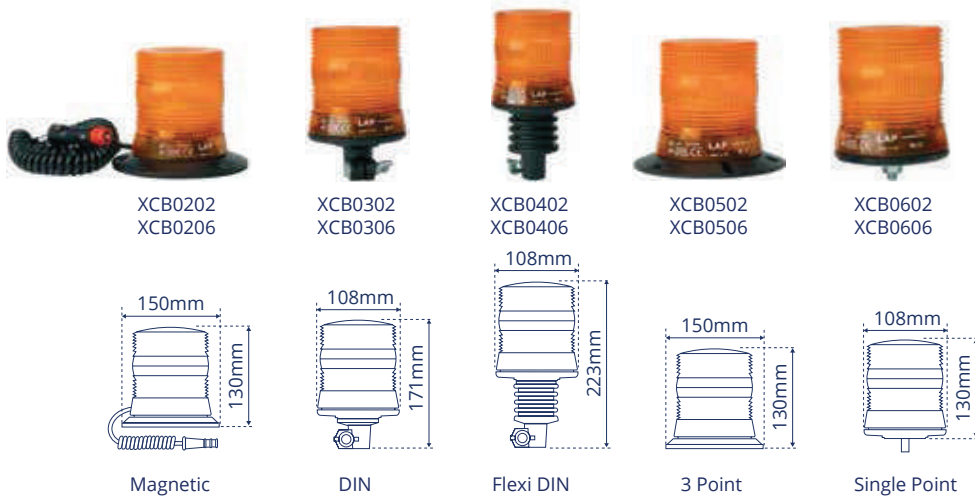


### Materials

- High performance ABS base
- Acrylic lens

### Warranty

- LAP offer a 24 month guarantee on our compact xenon beacons, subject to the item being fitted and used in accordance with the correct instructions.



### Colours



### Applications



Part No	Voltage	Action	Colours	Current Consumption 12/24V	Flash Rate (Per min)	Mounting	Weight KG (Approx)
<b>2 Watt</b>							
XCB0202	10-30Vdc	Single Flash	A/B/R/G	0.175/0.150A	75	Magnetic	1.00
XCB0302	10-30Vdc	Single Flash	A/B/R/G	0.175/0.150A	75	DIN	0.50
XCB0402	10-30Vdc	Single Flash	A/B/R/G	0.175/0.150A	75	Flexi DIN	0.60
XCB0502	10-30Vdc	Single Flash	A/B/R/G	0.175/0.150A	75	Three Point	0.40
XCB0602	10-30Vdc	Single Flash	A/B/R/G	0.175/0.150A	75	Single Point	0.40
<b>6 Watt</b>							
XCB0206	10-30Vdc	Single Flash	A/B/R/G	0.460/0.395A	75	Magnetic	1.00
XCB0306	10-30Vdc	Single Flash	A/B/R/G	0.460/0.395A	75	DIN	0.50
XCB0406	10-30Vdc	Single Flash	A/B/R/G	0.460/0.395A	75	Flexi DIN	0.60
XCB0506	10-30Vdc	Single Flash	A/B/R/G	0.460/0.395A	75	Three Point	0.40
XCB0606	10-30Vdc	Single Flash	A/B/R/G	0.460/0.395A	75	Single Point	0.40

# MULTI-VOLTAGE XENON BEACONS (XCBMV Range)

Designed specifically for the forklift truck and electric vehicle markets, these beacons are compact and rugged in design and available in 10-100Vdc and 12-80Vdc.



### Main Features

- Single flash
- EMC approved
- Low profile and compact design
- 70mph rated on magnetic version
- Very low power consumption
- Robust design
- Meets IP56 international protection standards
- -30°C to +50°C extreme temperature reliability
- Choice of either 2 Watt or 6 Watt versions



### Materials

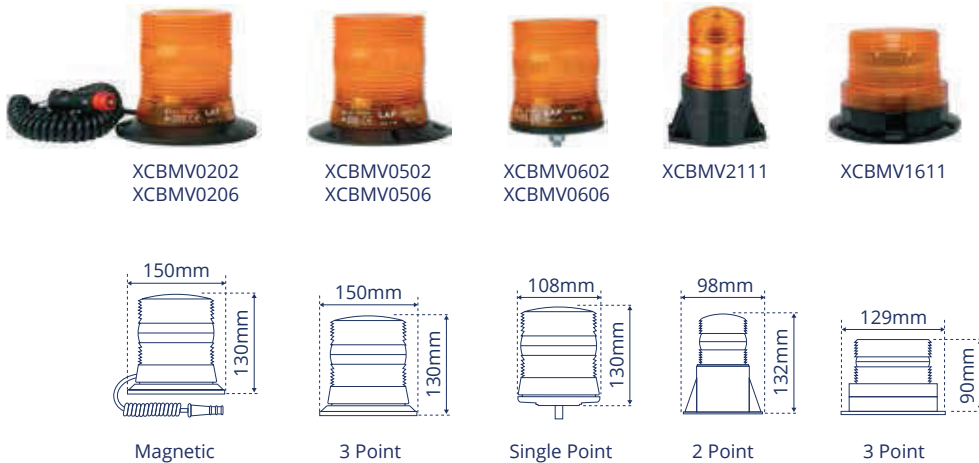
- High performance ABS base
- Acrylic lens

### Replacement Parts

- Xenon tube - 1611 and 2111 only
- Lens kits - 1611 and 2111 only

### Warranty

- LAP offer a 24 month guarantee on our multi-voltage xenon beacons, subject to the item being fitted and used in accordance with the correct instructions.



### Colours



### Applications



Part No	Voltage	Action	Colours	Current Consumption (mA)					Flash Rate (Per min)	Mounting	Weight KG (Approx)
				12V	24V	48V	80V	100V			
<b>2 Watt</b>											
XCBMV0202	10-100Vdc	Single Flash	A/B/R/G	175	150	55	30	20	75	Magnetic	1.00
XCBMV0502	10-100Vdc	Single Flash	A/B/R/G	175	150	55	30	20	75	Three Point	0.40
XCBMV0602	10-100Vdc	Single Flash	A/B/R/G	175	150	55	30	20	75	Single Point	0.40
XCBMV1611	12-80Vdc	Single Flash	A/B/R/G	175	150	55	30	N/A	75	Three Point	0.50
XCBMV2111	12-80Vdc	Single Flash	A/B/R/G	175	150	55	30	N/A	75	Two Point	0.50
<b>6 Watt</b>											
XCBMV0206	10-100Vdc	Single Flash	A/B/R/G	460	395	215	130	100	75	Magnetic	1.00
XCBMV0506	10-100Vdc	Single Flash	A/B/R/G	460	395	215	130	100	75	Three Point	0.40
XCBMV0606	10-100Vdc	Single Flash	A/B/R/G	460	395	215	130	100	75	Single Point	0.40

## STATIC AIRPORT BEACONS

Our static flash airport beacons conform to the CAP168 regulations required for airport vehicles.



### Main Features

- EMC approved
- Conforms to CAP168 regulations
- 12V and 24V models available
- Long peak intensity through 360° lens diffusion
- 80 flashes per minute
- 70mph rated on magnetic version
- 12 month warranty

### Colour



Amber

### Applications



Refuse Truck Utility Vehicles Airport Vehicles



Part No	Voltage	Action	Colour	Current Consumption		Mounting	Weight KG (Approx)
				12/24V	Flash Rate (Per min)		
LAP221	12V	Single Flash	Amber	1.0A	80	Three Point	0.62
LAP222	24V	Single Flash	Amber	0.5A	80	Three Point	0.62
LAP223	12V	Single Flash	Amber	1.0A	80	Magnetic	1.17
LAP224	24V	Single Flash	Amber	0.5A	80	Magnetic	1.17
LAP225	12V	Single Flash	Amber	1.0A	80	Single Point	0.85
LAP226	24V	Single Flash	Amber	0.5A	80	Single Point	0.85

## LOW PROFILE XENON BEACONS

Our high performance Low Profile Xenon Beacons are a cost effective solution for working vehicles of all types that require supplementary warning light devices.



### Main Features

- EMC approved
- Multi-Voltage (10-100Vdc)
- 2 & 5 Watt versions
- Vibration protected circuit
- Polycarbonate lens and base
- Sealed against dust and moisture ingress
- Meets IP67 protection standards
- -30 to +50°C extreme temperature reliability
- 12 month warranty

### Colours

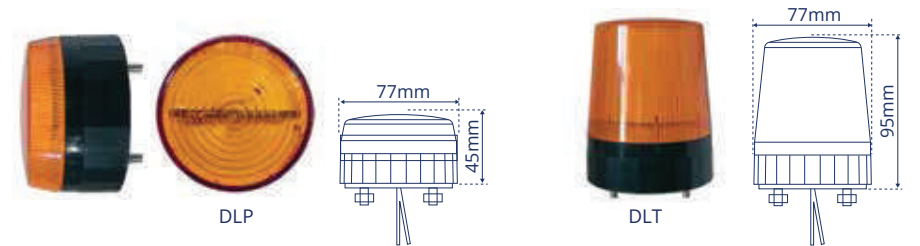


Amber Blue Red Green

### Applications



Refuse Truck Utility Vehicles Agriculture Plant & Contracting Fleet



Part No	Voltage	Colours	Current Consumption (mA)					Flash Rate (Per min)	Mounting	Weight KG (Approx)
			12V	24V	48V	80V	100V			
<b>2 Watt</b>										
DLP2MV	10-100Vdc	A/B/R/G	180	160	120	90	70	75	Two Point	0.17
DLT2MV	10-100Vdc	A/B/R/G	180	160	120	90	70	75	Two Point	0.22
<b>5 Watt</b>										
DLP5MV	10-100Vdc	A/B/R/G	260	230	150	120	100	75	Two Point	0.17
DLT5MV	10-100Vdc	A/B/R/G	260	230	150	120	100	75	Two Point	0.22

110Vac and 230Vac models also available suitable for industrial applications.



## INDUSTRIAL BEACONS

Specifically designed for the industrial sector these beacons are ideally suited for use with fixed plant equipment, fire and safety alarm systems and control panel alarms. The industrial beacon range is available in Xenon, Rotating and Static Flashing models. Voltage options include 115Vac, 230Vac and 12/24Vdc.



### Main Features

- Dimensions: 153 (d) x 190 (h) mm
- Robust three point fixing
- 115Vac, 230Vac and 12/24Vdc versions
- Xenon Models - single/double flash
- Static flashing and rotating models - tungsten (115V & 230V) or halogen (12/24V) bulbs
- Available with amber, blue, red or green lenses
- Meets IP56 protection standards

### Colours



Part No	Voltage	Colours	Flash Rate (Per min)	Mounting	Weight KG (Approx)
<b>XENON BEACONS</b>					
LAP400	115Vac	A/B/R/G	125	Three Point	0.80
LAP401	230Vac	A/B/R/G	125	Three Point	0.80
LAP402	12/24V	A/B/R/G	125	Three Point	0.80
<b>STATIC FLASHING</b>					
LAP411	115Vac	A/B/R/G	75	Three Point	0.70
LAP412	230Vac	A/B/R/G	75	Three Point	0.70
LAP462	12/24V	A/B/R/G	75	Three Point	0.70
<b>ROTATING</b>					
LAP431	115Vac	A/B/R/G	180	Three Point	0.90
LAP432	230Vac	A/B/R/G	180	Three Point	0.90
LAP442	12/24V	A/B/R/G	180	Three Point	0.90

## BEACON SPARES & ACCESSORIES

LAP offer a number of replacement parts to service our beacon range.



### Lenses

Beacon Type	Material	Amber	Blue	Red	Green
Rotating Beacon & Xenon Beacon XNB	Acrylic	63200266	63200267		
Rotating Beacon & Xenon Beacon XNB	Polycarbonate	63200285	63200286	63200287	63200288
LMB Beacon	Polycarbonate	63200865	63201029	63201008	63200866
Static Beacon	Acrylic	63200266			
Xenon Beacon XHP	Polycarbonate	63200146	63200172	63200171	63200173
XCBMV1611	Polycarbonate	1200A	1200B	1200R	1200G
XCBMV2111	Polycarbonate	2100A	2100B	2100R	2100G
Compact Lightbar CLB	Polycarbonate	63200728			



### Replacement Xenon Tubes

Beacon Type	Part No.
XCBMV1611	FT1611
XCBMV2111	FT2111



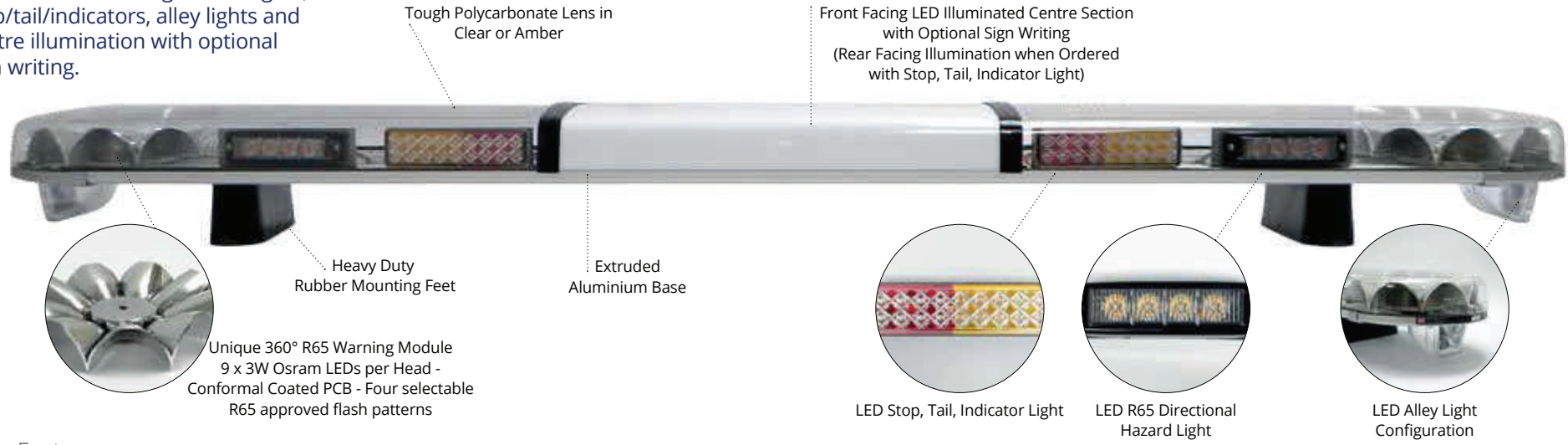
### Accessories

Beacon Type	Material
Curly Cable & Din Plug	63200528
Din Stem (Bolt-on)	LAP903
Beacon Guard (For 255/050)	63200655
Beacon Guard (For 0506/0502)	63200656
Beacon Guard (For 1611)	BG1611
Beacon Bracket (255/050/1611)	63200659
Beacon Bracket (2111)	BB2111
Drive Belt (CLB & Rotating Titan)	63200756

# TITAN LED LIGHTBARS

Combining the latest LED technology with unique optics, the TITAN lightbar range provides a brilliant 360° of visual warning that is ECE R65 approved.

Designed and manufactured in the UK, the TITAN lightbar is built to your exact requirements, offering a variety of flexible options to suit multiple vehicle applications including hazard lights, stop/tail/indicators, alley lights and centre illumination with optional sign writing.



## Main Features

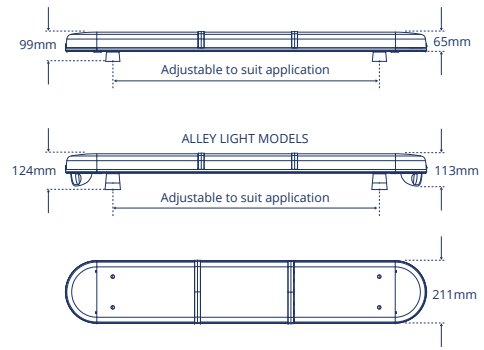
- Dual Voltage (12/24V)
- 2ft (0.6m), 2½ft (0.76m), 3ft (0.9m), 4ft (1.2m), 5ft (1.5m) & 6ft (1.8m) models available
- Four R65 approved flash patterns (single, double, triple, quad flash)
- Optional airport flash pattern (upon request)
- Meets ECE R65 & EMC regulations (ECE R10)
- 360° high performance optics for improved safety
- Amber or clear polycarbonate lenses
- Extruded aluminium base
- Fully encapsulated electronic control module
- Long life LED technology
- Opal, clear or amber centre sections available
- 4 bolt mounting fix / High rise feet option
- Extreme temperature reliability -30° to +50°
- 3 year warranty
- 2ft Magnetic models available
- 2.5 metre multi-core cable



**Special request lightbar service**

As we manufacture all our Titan lightbars at our UK production facility we can accommodate any specification that you require.


Simply contact our customer services team and we will be happy to assist.



Components	Current Consumption 12V	Current Consumption 24V
R65 LED Module (x1)	2.00 amp	1.00 amp
Centre Illumination (x1)	0.40 amp	0.20 amp
Alley Light (x1)	0.30 amp	0.15 amp
Hazard Light (x1)	0.30 amp	0.15 amp
Stop, Tail, Indicator (x1)	0.60 amp	0.30 amp

## TITAN LED LIGHTBAR Specifications

*These lightbar drawings are for illustration purposes only*

Reflector Module 	Stop, Tail, Indicator Light <b>STI</b>	Hazard Light <b>HAZ</b>	Alley Light <b>A</b>	Magnetic 
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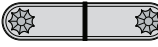

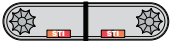
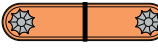


### Lightbar Length - 2ft (610mm)

 LB242AC	 LB242AC/MAG	 LB242WA	 LB242WA/MAG
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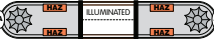









### Lightbar Length - 2½ft (762mm)

 LB302AC	 LB302WA
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### Lightbar Length - 3ft (915mm)

 LB362AC	 LB362AC/I	 LB362AC/S
 LB362WA	 LB362WA/I	 LB362WA/S

### Lightbar Length - 4ft (1220mm)

 LB482AC	 LB482AC/I	 LB482AC/IH
 LB482AC/IS	 LB482AC/ISHA	 LB482AC/IHHA
 LB484AC	 LB484AC/I	 LB482WA
 LB482WA/I	 LB482WA/IH	 LB482WA/IS
 LB482WA/ISHA	 LB482WA/IHHA	 LB484WA

### Lightbar Length - 5ft (1524mm)







 LB602AC	 LB602AC/IS	 LB602AC/ISHA
 LB602WA	 LB602WA/IS	 LB602WA/ISHA

## TITAN LED LIGHTBAR Specifications























*These lightbar drawings are for illustration purposes only*

Reflector Module 	Stop, Tail, Indicator Light <b>STI</b>	Hazard Light <b>HAZ</b>	Alley Light <b>A</b>	Magnetic 
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### Lightbar Length - 5ft (1524mm) continued...

 LB604AC	 LB604AC/IS	 LB604AC/ISHA
 LB604WA	 LB604WA/IS	 LB604WA/ISHA

### Lightbar Length - 6ft (1828mm)

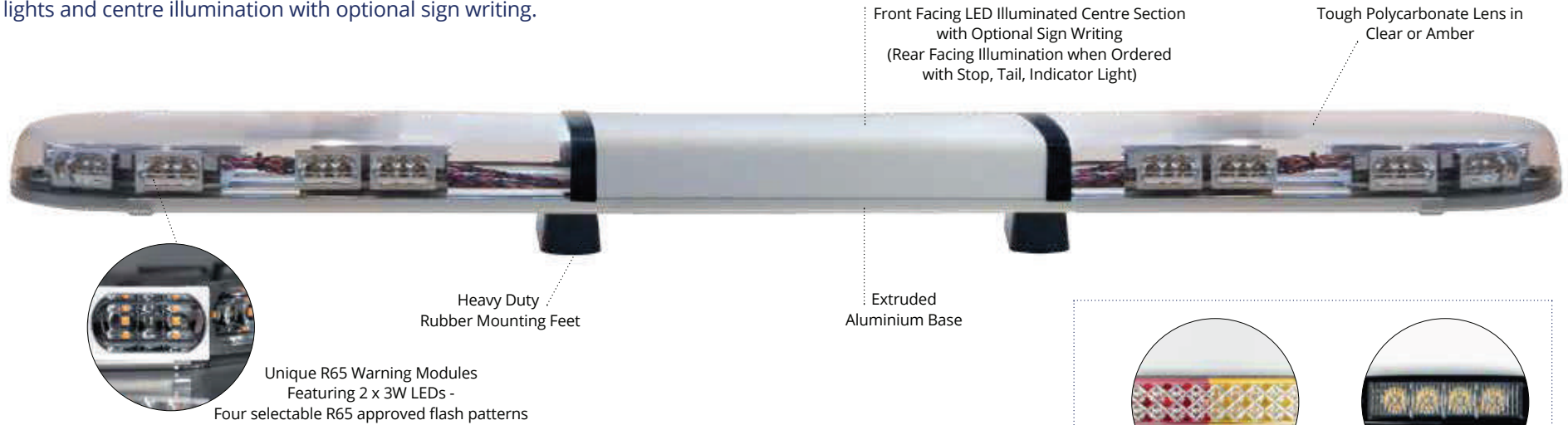
 LB722AC	 LB722AC/I
 LB722AC/S	 LB722AC/H
 LB722AC/IS	 LB722AC/ISHA
 LB722WA	 LB722WA/I
 LB722WA/S	 LB722WA/H
 LB722WA/IS	 LB722WA/ISHA
 LB724AC	 LB724AC/I
 LB724AC/H	 LB724AC/IS
 LB724AC/ISHA	 LB724WA
 LB724WA/I	 LB724WA/H
 LB724WA/IS	 LB724WA/ISHA



# LIGHTNING TITAN LED LIGHTBARS

Featuring four ECE R65 approved flash patterns and three operating modes, the LIGHTNING TITAN LED lightbar is a highly versatile addition to our UK manufactured lightbar range.

The advanced electronic control unit of the LIGHTNING TITAN lightbar enables additional front and rear facing LED modules to be specified for enhanced visual warning. Additional options include hazard lights, stop/tail/indicators, alley lights and centre illumination with optional sign writing.

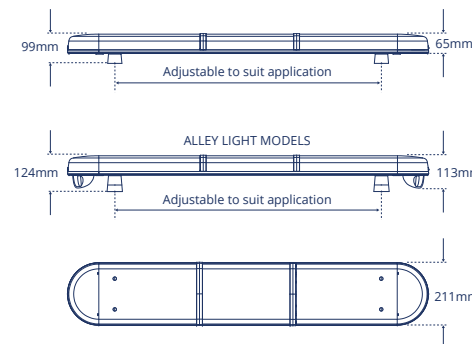


## Main Features

- Dual Voltage (12/24V)
- 2ft (0.6m), 2½ft (0.76m), 3ft (0.9m), 4ft (1.2m), 5ft (1.5m) & 6ft (1.8m) models available
- Four R65 approved flash patterns (single, double, triple, quad flash) with optional airport flash pattern
- Three selectable operating modes - Simultaneous, Left/Right and Front/Back
- Meets ECE R65 & EMC regulations (ECE R10)
- Amber or clear polycarbonate lenses
- Extruded aluminium base
- Fully encapsulated electronic control module
- Long life LED technology
- Opal, clear or amber centre sections available
- 4 bolt mounting fix / High rise feet option
- Extreme temperature reliability -30° to +50°
- 3 year warranty
- 2ft Magnetic models available
- 2.5 metre multi-core cable

## Special request lightbar service

As we manufacture all our Titan lightbars at our UK production facility we can accommodate any specification that you require. Simply contact our customer services team and we will be happy to assist.

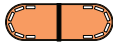
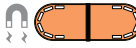


Components	Current Consumption	
	12V	24V
R65 LED Module (x1)	0.50 amp	0.30 amp
Centre Illumination (x1)	0.40 amp	0.20 amp
Alley Light (x1)	0.30 amp	0.15 amp
Hazard Light (x1)	0.30 amp	0.15 amp
Stop, Tail, Indicator (x1)	0.60 amp	0.30 amp


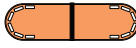
LIGHTNING TITAN LED LIGHTBAR Specifications *These lightbar drawings are for illustration purposes only*

2 LED Module - AMBER 	2 LED Module - WHITE 	Stop, Tail, Indicator Light 	Hazard Light 	Magnetic 
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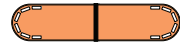


Lightbar Length - 2ft (610mm)

 LBL2412AC	 LBL2412AC/MAG	 LBL2412WA	 LBL2412WA/MAG
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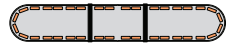

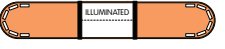


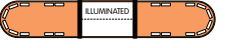
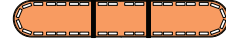
Lightbar Length - 2½ft (762mm)

 LBL3012AC	 LBL3012WA
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Lightbar Length - 3ft (915mm)

 LBL3612AC	 LBL3612AC/I	 LBL3620AC/I
 LBL3612WA	 LBL3612WA/I	 LBL3620WA/I






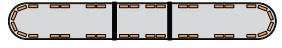






Lightbar Length - 4ft (1220mm)

 LBL4812AC	 LBL4812AC/I	 LBL4812AC/IH
 LBL4812AC/IS	 LBL4820AC/I	 LBL4836AC
 LBL4812WA	 LBL4812WA/I	 LBL4812WA/IH
 LBL4812WA/IS	 LBL4820WA/I	 LBL4836WA















LIGHTNING TITAN LED LIGHTBAR Specifications *These lightbar drawings are for illustration purposes only*

2 LED Module - AMBER 	2 LED Module - WHITE 	Stop, Tail, Indicator Light 	Hazard Light 	Magnetic 
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Lightbar Length - 5ft (1524mm)

 LBL6012AC	 LBL6012AC/I	 LBL6012AC/HH
 LBL6012AC/IS	 LBL6020AC/I	 LBL6036AC
 LBL6012WA	 LBL6012WA/I	 LBL6012WA/HH
 LBL6012WA/IS	 LBL6020WA/I	 LBL6036WA

Lightbar Length - 6ft (1828mm)

 LBL7212AC	 LBL7212AC/I
 LBL7212AC/S	 LBL7212AC/IS
 LBL7212AC/HH	 LBL7220AC/I
 LBL7252AC	 LBL7212WA
 LBL7212WA/I	 LBL7212WA/S
 LBL7212WA/IS	 LBL7212WA/HH
 LBL7220WA/I	 LBL7252WA

## ECLIPSE LED LIGHTBARS

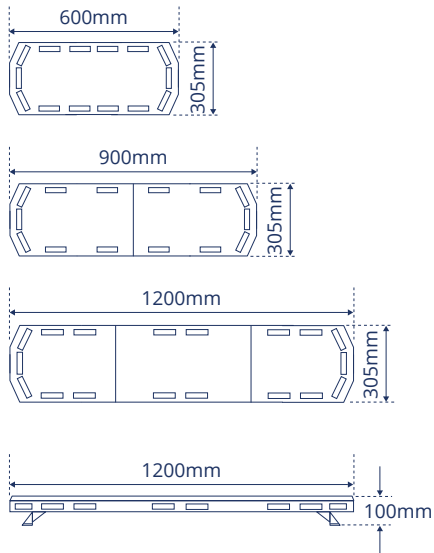
The Eclipse range of LED lightbars feature tough polycarbonate lenses and the latest generation LEDs with advanced optics. They have been designed to meet all the necessary standards for on and off-road use.



### Main Features

- EMC approved (ECE R10)
- Sizes available: 2ft (600mm), 3ft (900mm) & 4ft (1200mm)
- Dual Voltage (12/24V)
- 4 x 3W amber LEDs per module
- Clear lens
- 10 flash patterns (Rotating and single flash meet R65)
- Weatherproof and vibration resistant design
- Polycarbonate lens with aluminium base
- 2 year warranty

### Applications



Part No	Size	No. of Modules	No. of LEDs	ECE R65
LAP2314AC	2ft (600mm)	14	56 x 3.0W	✓
LAP2314AC/ECO	2ft (600mm)	14	56 x 1.0W	
LAP3518AC	3ft (900mm)	14	56 x 3.0W	✓
LAP4722AC	4ft (1200mm)	18	72 x 3.0W	✓

## MINI LED LIGHTBARS (LAP1220 Range)

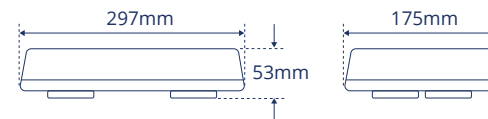
ECE R65 approved versions of our popular LAP1220 mini LED lightbars are now available with magnetic and single point fixings.



### Main Features

- ECE R65 approved
- EMC approved (ECE R10)
- Dual Voltage (12/24V)
- Amber polycarbonate lens and ABS base
- Extremely low power consumption
- 10 flash patterns with single flash meeting R65 approval
- 20 white LEDs
- 12 month warranty

### Applications



Part No	Lens Colour	No. of Modules	No. of LEDs	LED Rating	Mounting	ECE R65	Current Consumption 12/24V
LAP1220R65MAG	Amber	10	20	3.0W	Magnetic	✓	1.4/0.7A
LAP1220R65SP	Amber	10	20	3.0W	Single Point	✓	1.4/0.7A
LAP1220MAG	Amber	10	20	0.5W	Magnetic		0.8/0.4A
LAP1220SP	Amber	10	20	0.5W	Single Point		0.8/0.4A



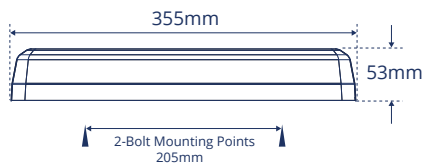
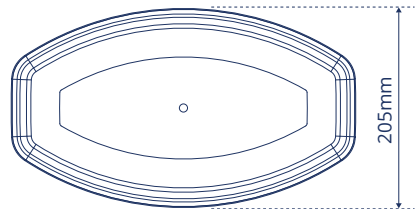
## MINI LED LIGHTBARS (LAP1424 Range)

The LAP1424 is ECE Regulation 65 approved and available in magnetic and 2-bolt permanent mount models.



### Main Features

- ECE R65 approved (Double Flash 2Hz Mode)
- EMC approved (ECE R10)
- Dual Voltage (12/24V)
- Clear polycarbonate lens
- Current consumption (Avg/Max): 2.9/5.8A @ 12V, 1.4/2.9A @ 24V
- 23 flash patterns
- 24 x 3W amber LEDs
- 2-Bolt models can be linked for synchronised flash
- 2 year warranty



### Applications



Part No	No. of Modules	No. of LEDs	LED Rating	Mounting
LAP1424MAG	4	24	3.0W	Magnetic
LAP1424TB	4	24	3.0W	Two Bolt

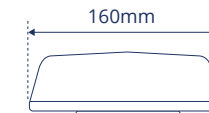
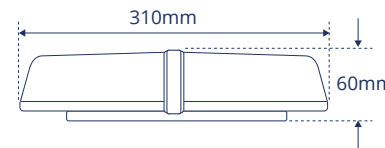
## MINI LED LIGHTBARS (LAP1224 Range)

The LAP1224 range of mini LED lightbars feature 24 high power amber LEDs which can operate in 8 flash patterns.



### Main Features

- EMC approved
- Dual Voltage (12/24V)
- Clear polycarbonate lens
- Available in magnetic and single point fixings
- Aluminium base
- Low power consumption - 12V max 2A, 24V max 1A
- 8 flash patterns
- 24 x 1W amber LEDs
- Weatherproof and vibration resistant design
- 12 month warranty



### Applications

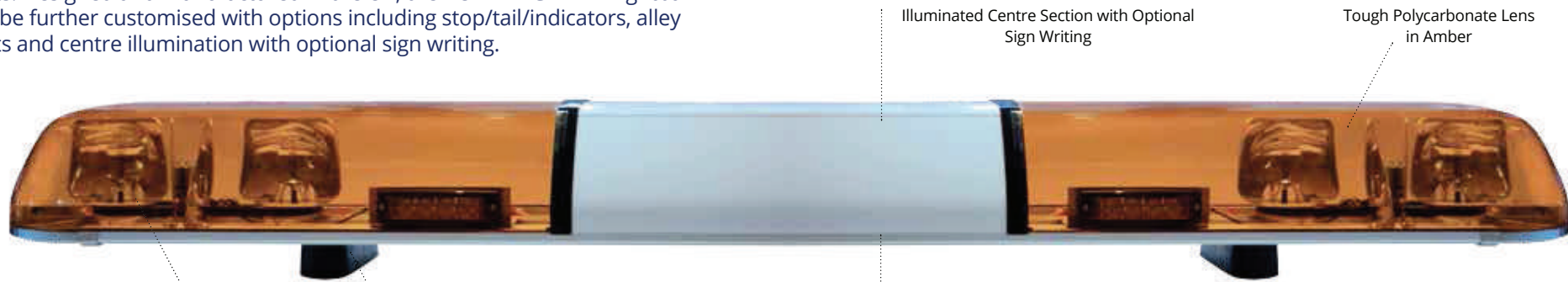


Part No	Lens Colour	No. of Modules	No. of LEDs	LED Rating	Mounting
LAP1224MAG	Clear	6	24	1.0W	Magnetic
LAP1224SP	Clear	6	24	1.0W	Single Point

# ROTATING TITAN LIGHTBARS

Utilising the robust technology of our halogen beacons, the ROTATING TITAN lightbar provides a cost effective way to add ECE R65 approved visual warning to vehicles of any size.

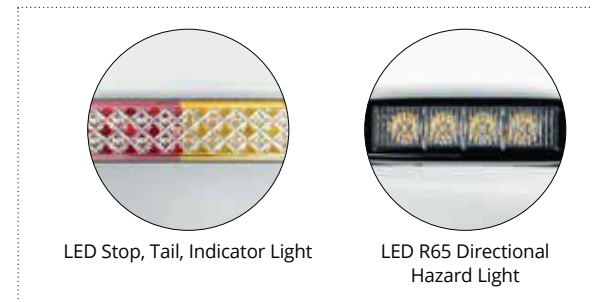
The advanced LAP optical system provides long range, wide angle visibility which can be supplemented with front and rear facing directional LED hazard lights. Designed and manufactured in the UK, the ROTATING TITAN lightbar can be further customised with options including stop/tail/indicators, alley lights and centre illumination with optional sign writing.



Advanced LAP reflector technology provides R65 approved light output. Available as single or double belt driven rotating modules.

Heavy Duty Rubber Mounting Feet

Extruded Aluminium Base

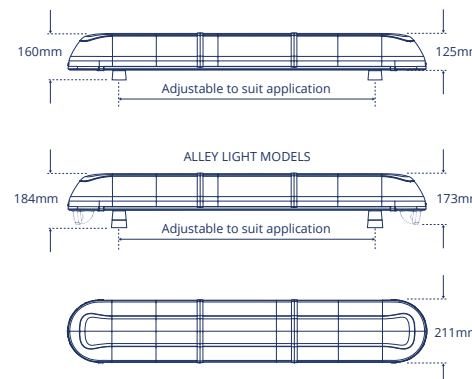


## Main Features

- Dual Voltage (12/24V)
- 2ft (0.6m), 2½ft (0.76m), 3ft (0.9m), 4ft (1.2m), 5ft (1.5m) & 6ft (1.8m) models available
- Nominal flash rate: 180 per min
- Meets ECE R65 & EMC regulations (ECE R10)
- Amber polycarbonate lens
- Extruded aluminium base
- Reverse polarity protection
- Opal or amber centre sections available
- 4 bolt mounting fix / High rise feet option
- Extreme temperature reliability -30° to +50°
- 1 year warranty
- 2.5 metre multi-core cable
- Supplied with 12V halogen bulbs

### Special request lightbar service


























As we manufacture all our Titan lightbars at our UK production facility we can accommodate any specification that you require. Simply contact our customer services team and we will be happy to assist.



Components	Current Consumption 12V	Current Consumption 24V
R65 Rotating Module (x1)	4.60 amp	3.00 amp
Centre Illumination (x1)	1.80 amp	0.90 amp
LED Alley Light (x1)	0.30 amp	0.15 amp
LED Hazard Light (x1)	0.30 amp	0.15 amp
LED Stop, Tail, Indicator (x1)	0.60 amp	0.30 amp

## ROTATING TITAN LIGHTBAR Specifications

*These lightbar drawings are for illustration purposes only*

Rotating Module and Mirror 	Stop, Tail, Indicator Light <b>STI</b>	Hazard Light <b>HAZ</b>
<b>Lightbar Length - 2ft (610mm)</b>		
 LBR242A	 LBR302A	 LBR302A/I
<b>Lightbar Length - 3ft (915mm)</b>		
 LBR362A	 LBR362A/I	 LBR362A/S
<b>Lightbar Length - 4ft (1220mm)</b>		
 LBR482A	 LBR482A/I	 LBR482A/IS
 LBR482A/IH	 LBR484A	 LBR484A/I
<b>Lightbar Length - 5ft (1524mm)</b>		
 LBR602A	 LBR604A	 LBR604A/I
 LBR604A/S	 LBR604A/IHH	 LBR604A/IS
<b>Lightbar Length - 6ft (1828mm)</b>		
 LBR722A	 LBR724A	
 LBR724A/I	 LBR724A/S	
 LBR724A/IHH	 LBR724A/IS	

## COMPACT ROTATING LIGHTBARS (CLB Range)

Our Compact Lightbar is designed to provide superior light output and maximum visibility.



Source: Ford Europe

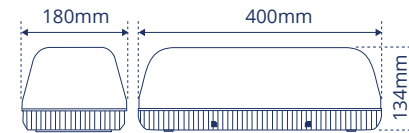
### Main Features

- CE and 'E' approved (EMC)
- Dual Voltage (12/24V)
- Fitted with 12V bulbs
- Reverse polarity protection
- Meets IP56 international protection standards
- -30°C to +50°C extreme temperature reliability
- 12 month warranty

### Colour



### Applications



Part No	Voltage	Action	Colour	Current Consumption 12/24V	Flash Rate (Per min)	Mounting	ECE R65	Weight KG (Approx)
CLB55SA	12/24V	Rotating	Amber	9.2/6A	180	Single Point	✓	2.50
CLB55MA	12/24V	Rotating	Amber	9.2/6A	180	Magnetic	✓	3.20
CLB55TA	12/24V	Rotating	Amber	9.2/6A	180	Twin Bolt	✓	2.50



## LED R65 MODULES

Our R65 range of modules are available with 3, 4 and 6 LEDs and are designed for applications where ECE R65 approved auxiliary warning lights are required.

### LED3R65 - 3 x LED



Specifications:

- Weight: 0.07Kg
- Current Draw: 12V - 400mA
- Dimensions: 89 (w) x 34 (d) x 22mm (h)

#### Main Features

- EMC approved (ECE R10)
- 6 flash patterns
- 3 ECE R65 approved flash patterns (single flash, double flash & quad flash)
- IP67 rated ingress protection
- Multiple units can be linked for synchronised / alternate flash



#### Materials

- Lens: Polycarbonate
- Base: Aluminium

#### Warranty

- 24 month warranty

### LED4R65 - 4 x LED



Specifications:

- Weight: 0.09Kg
- Current Draw: 12V - 600mA
- Dimensions: 117 (w) x 34 (d) x 22mm (h)

### LED6R65 - 6 x LED



Specifications:

- Weight: 0.12Kg
- Current Draw: 12V - 850mA
- Dimensions: 155 (w) x 34 (d) x 22mm (h)

Part No	Voltage	Colour	ECE R65
<b>3 LED Modules</b>			
LED3R65A	12/24V	Amber	✓
LED3R65B	12/24V	Blue	✓
LED3R65R	12/24V	Red	
<b>4 LED Modules</b>			
LED4R65A	12/24V	Amber	✓
LED4R65B	12/24V	Blue	✓
LED4R65R	12/24V	Red	
<b>6 LED Modules</b>			
LED6R65A	12/24V	Amber	✓
LED6R65B	12/24V	Blue	✓
LED6R65R	12/24V	Red	

## LED MODULES

### LED3DV - 15 Flash Patterns



Specifications:

- Lens: Polycarbonate
- Base: Aluminium
- Weight: 0.08Kg
- Current draw: 12V - 350mA
- Dimensions: 105 (w) x 38 (d) x 28mm (h)

#### Main Features

- EMC approved (ECE R10)
- 3 x LED Light
- IP67 rated ingress protection
- Multiple units can be linked for synchronised / alternate flash
- Steady on function
- 24 month warranty

Part No	Voltage	Colour
LED3DVA	12/24V	Amber
LED3DVB	12/24V	Blue
LED3DVR	12/24V	Red
LED3DVG	12/24V	Green

### LED4DV - 16 Flash Patterns



Specifications:

- Lens: Polycarbonate
- Base: Aluminium
- Weight: 0.12Kg
- Current draw: 12V - 700mA
- Dimensions: 117 (w) x 43 (d) x 31mm (h)

#### Main Features

- EMC approved (ECE R10)
- 4 x LED Light
- IP67 rated ingress protection
- Multiple units can be linked for synchronised / alternate flash
- Steady on function
- 24 month warranty

Part No	Voltage	Colour
LED4DVA	12/24V	Amber

## LED MODULES

### LED-3A - 10 Flash Patterns



#### Specifications:

- Lens: Polycarbonate
- Base: Aluminium
- Weight: 0.09Kg
- Current draw: 12V - 700mA
- Dimensions: 77 (w) x 29 (d) x 16mm (h)

#### Main Features

- EMC approved (ECE R10)
- ECE R65 approved
- 3 x LED Light
- IP56 rated ingress protection
- Multiple units can be linked for synchronised / alternate flash
- Single flash meets R65
- Supplied with on/off and flash pattern changing switches
- 12 month warranty



Part No	Voltage	Colour
LED-3A	12/24V	Amber

### LED3 - 12 Flash Patterns



#### Specifications:

- Lens: Polycarbonate
- Weight: 0.10Kg
- Current draw: 12V - 350mA
- Dimensions: 99 (w) x 41 (d) x 30mm (h)

#### Main Features

- EMC approved (ECE R10)
- 3 x LED Light
- Waterproof with sealed for life electronics
- Multiple units can be linked for synchronised / alternate flash
- 24 month warranty

Part No	Voltage	Colour
LED312A	12/24V	Amber
LED312B	12/24V	Blue
LED312R	12/24V	Red
LED312W	12/24V	White

## LED MODULES

### LED4 - 19 Flash Patterns



#### Specifications:

- Lens: Polycarbonate
- Weight: 0.13Kg
- Current draw: 12V - 700mA
- Dimensions: 122 (w) x 41 (d) x 30mm (h)

#### Main Features

- EMC approved (ECE R10)
- 4 x LED Light
- Waterproof with sealed for life electronics
- Multiple units can be linked for synchronised / alternate flash
- 24 month warranty

Part No	Voltage	Colour
LED412A	12/24V	Amber
LED412B	12/24V	Blue
LED412R	12/24V	Red
LED412W	12/24V	White

### LED6 - 12 Flash Patterns



#### Specifications:

- Lens: Polycarbonate
- Weight: 0.27Kg
- Current draw: 12V - 700mA
- Dimensions: 99 (w) x 72 (d) x 30mm (h)

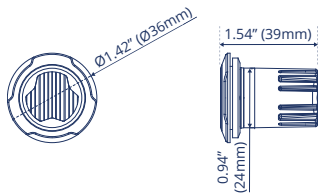
#### Main Features

- EMC approved (ECE R10)
- 6 x LED Light (3 x 2)
- Waterproof with sealed for life electronics
- Multiple units can be linked for synchronised / alternate flash
- 24 month warranty

Part No	Voltage	Colour
LED612A	12/24V	Amber
LED612B	12/24V	Blue
LED612R	12/24V	Red
LED612W	12/24V	White

## RECESSED AND SURFACE MOUNT LED MODULES

### RM3 - 16 Flash Patterns



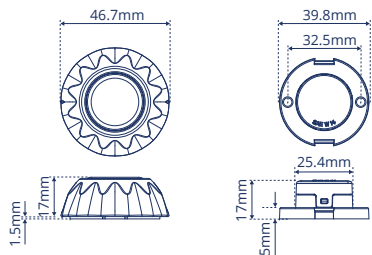
Part No	Voltage	Colour
RM3A	12/24V	Amber
RM3B	12/24V	Blue

#### Main Features

- EMC approved (ECE R10)
- ECE R65 approved
- 3 x LED Light
- Long life LED technology rated to 100,000 hours of operation
- Multiple units can be linked for synchronised / alternate flash
- Fully weatherproof and vibration resistant
- Aluminium base for efficient heat dissipation and maximum durability
- Max. Current: 0.48A @12VDC / 0.24A @24VDC



### SM3 - 12 Flash Patterns



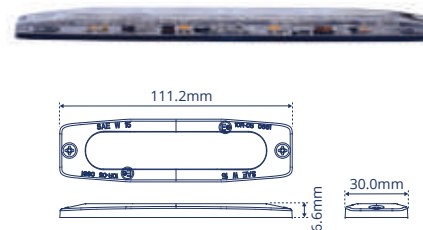
Part No	Voltage	Colour
SM3A	12/24V	Amber
SM3B	12/24V	Blue

#### Main Features

- EMC approved (ECE R10)
- 3 x LED Light
- 0.67" (17mm) Super low-profile thickness
- Internal installation in vehicle lamp with 1" (25.4mm) cut-out
- External surface mount on vehicle body with flange
- Multiple units can be linked for synchronised / alternate flash
- Max. Current: 0.47A @12VDC / 0.24A @24VDC

## SPECIALIST LED MODULES

### SLED4A - 24 Flash Patterns

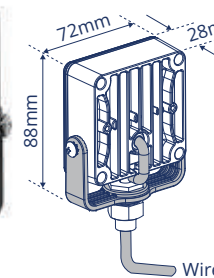
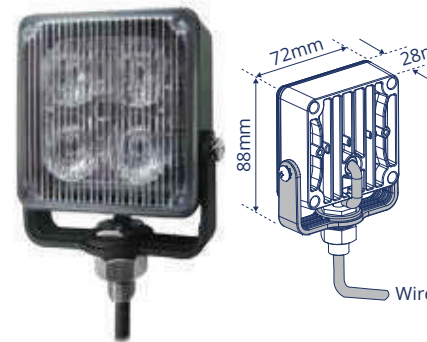


Part No	Voltage	Colour
SLED4A	12/24V	Amber

#### Main Features

- EMC approved (ECE R10)
- 4 x LED Light
- Self-adhesive backing for quick mounting
- Built-in 24 selectable flash patterns in split or simultaneous flash
- Long life LEDs technology rated to 100,000 hours of operation
- Multiple units can be linked for synchronised / alternate flash
- Fully weatherproof and vibration resistant
- Aluminium base for efficient heat dissipation and maximum durability
- Max. Current: 0.65A @12VDC / 0.33A @24VDC

### SQ4 - 5/18 Flash Patterns



Part No	Voltage	Colour	Flash Patterns	ECE R65
SQ4A	12/24V	Amber	5	✓
SQ4B	12/24V	Blue	18	
SQ4R	12/24V	Red	18	
SQ4W	12/24V	White	18	

#### Main Features

- EMC approved (ECE R10)
- SQ4A: 4 x 3W LEDs - Double flash meets R65
- Steady on function
- Supplied with single point fix adjustable mounting bracket
- Multiple units can be linked for synchronised / alternate flash
- IP67 rated ingress protection
- Max. Current: 0.55A @ 12.8V / 0.26A @ 24V
- Polycarbonate lens with diecast housing
- 24 month warranty





## SPECIALIST LED MODULES

### LE4DV - 19 Flash Patterns



#### Main Features

- EMC approved (ECE R10)
- 4 x LED Light
- Waterproof with sealed for life electronics
- Multiple units can be linked for synchronised / alternate flash
- Steady on function
- 24 month warranty

#### Specifications:

- Lens: Polycarbonate
- Weight: 0.24Kg
- Current draw: 12V - 700mA
- Dimensions: 148 (w) x 55 (d) x 30mm (h)

Part No	Voltage	Colour
LE4DVA	12/24V	Amber
LE4DVB	12/24V	Blue
LE4DVR	12/24V	Red

## SPECIALIST LED MODULES

### XLED6DV - 11 Flash Patterns (Wide Angle Optics)



#### Main Features

- EMC approved
- Xtreme LED Light
- Waterproof with sealed for life electronics
- Multiple units can be linked for synchronised / alternate flash
- 24 month warranty

#### Specifications:

- Lens: Polycarbonate
- Body: Aluminium coated black
- Weight: 0.24Kg
- Current draw: 12V - 700mA
- Dimensions: 148 (l) x 55 (d) x 30mm (h)

Part No	Voltage	Colour
XLED6DVA	12/24V	Amber
XLED6DVB	12/24V	Blue
XLED6DVR	12/24V	Red

### LE8DV - 19 Flash Patterns



#### Main Features

- EMC approved (ECE R10)
- 8 x LED Light (4 x 2)
- Waterproof with sealed for life electronics
- Multiple units can be linked for synchronised / alternate flash
- Steady on function
- 24 month warranty

#### Specifications:

- Lens: Polycarbonate
- Weight: 0.59Kg
- Current draw: 12V - 1.4 Amps
- Dimensions: 148 (w) x 93 (d) x 30mm (h)

Part No	Voltage	Colour
LE8DVA	12/24V	Amber
LE8DVB	12/24V	Blue
LE8DVR	12/24V	Red

## MOUNTING OPTIONS

### L Bracket



Suitable for:	Part No:
LED312	MB03S
LED412	MB04S
LE4	MBX06
XLED	MBX06

### Double L Bracket



Suitable for:	Part No:
LE8	MBL08
LED612	MB06S

### Adjustable L Bracket

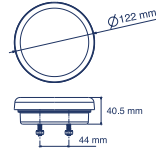


Suitable for:	Part No:
LE4	MBX06A
XLED	MBX06A

## REAR LAMPS

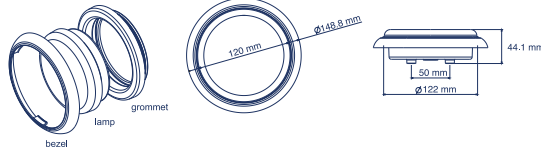
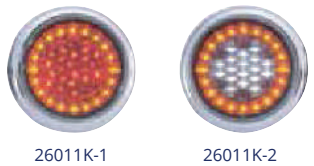
Our range of Commercial Vehicle Lighting products include the latest long life LEDs which provide bright and reliable, maintenance-free operation. The LAP Commercial Vehicle LED lighting range is covered by a 5 year warranty.

### 26004 Series



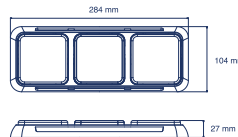
Part No	Voltage	Stop	Tail	Reverse	D.I.	Fog	Connector	ECE
26004N-1	12/24V	✓	✓		✓		200mm cable	✓
26004N-2	12/24V			✓	✓		200mm cable	✓
26004N-3	12/24V				✓	✓	200mm cable	✓

### 26011 Series



Part No	Voltage	Stop	Tail	Reverse	D.I.	Connector	ECE
26011K-1	12/24V	✓	✓		✓	400mm cable	✓
26011K-2	12/24V			✓	✓	400mm cable	✓

### 26000 Series

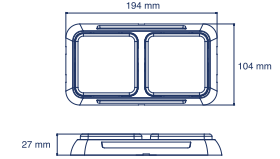


Part No	Voltage	Stop	Tail	Reverse	D.I.	Fog	Connector	ECE
26000RAC-BV	12/24V	✓	✓	✓	✓		400mm cable	✓
26000RAR-1BV	12/24V	✓	✓		✓	✓	400mm cable	✓

### 26001 Series



26001AR-BV

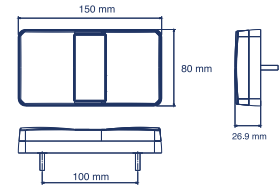


Part No	Voltage	Stop	Tail	D.I.	Connector	ECE
26001AR-BV	12/24V	✓	✓	✓	400mm cable	✓

### 26002 Series



26002AR



Part No	Voltage	Stop	Tail	D.I.	Reflex	Connector	ECE
26002AR	12/24V	✓	✓	✓	✓	300mm cable	✓

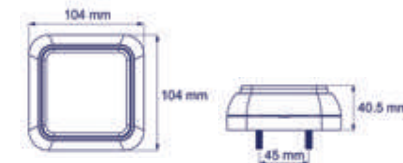
### 26018 Series



26018C-BV



26018R-1BV

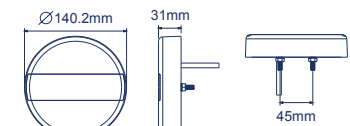


Part No	Voltage	Reverse	Fog	Connector	ECE
26018C-BV	12/24V	✓		200mm cable	✓
26018R-1BV	12/24V		✓	200mm cable	✓

### 26027 Series



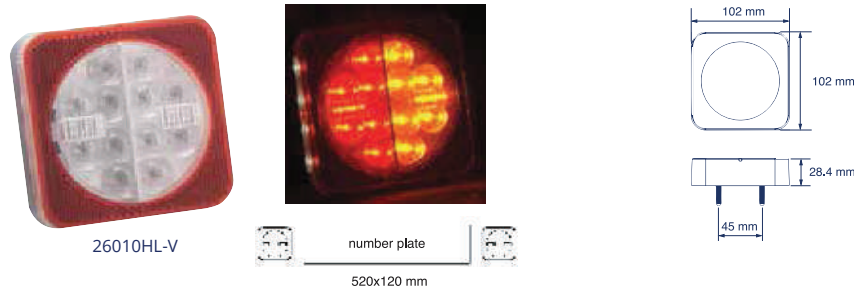
26027



Part No	Voltage	Stop	Tail	D.I.	Connector	ECE
26027	24V	✓	✓	✓	200mm cable	✓

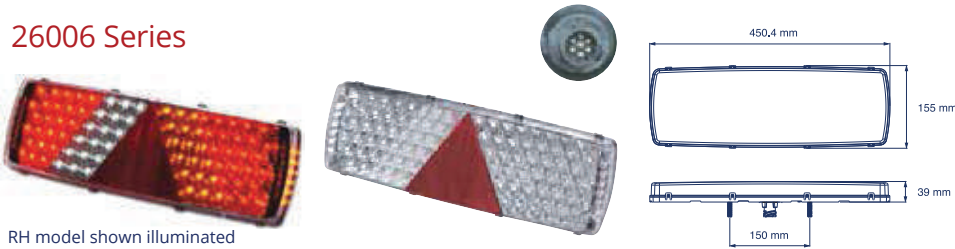
## REAR LAMPS AND REFLECTORS

### 26010 Series



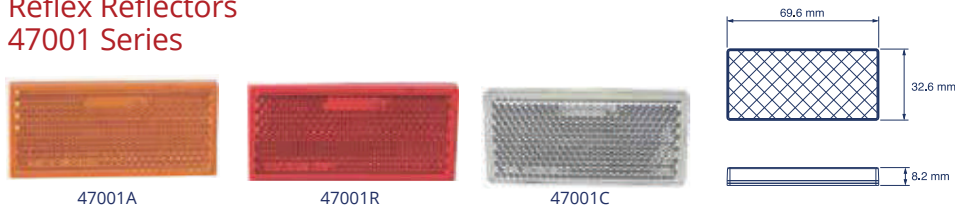
Part No	Voltage	Handed	Stop	Tail	D.I.	License	Reflex	Connector	ECE
26010HL-V	12/24V	RH & LH	✓	✓	✓	✓	✓	500mm cable	✓

### 26006 Series



Part No	Voltage	Stop	Tail	Reverse	D.I.	Fog	Side Marker	Reflex	Connector	ECE
26006RH	12/24V	✓	✓	✓	✓	✓	✓	✓	7-pin	✓
26006LH	12/24V	✓	✓	✓	✓	✓	✓	✓	7-pin	✓

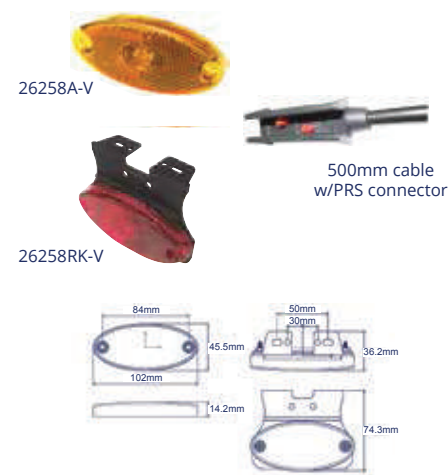
### Reflex Reflectors 47001 Series



Part No	Colour	Adhesive	ECE
47001A	Amber	✓	✓
47001R	Red	✓	✓
47001C	White	✓	✓

## MARKER LAMPS

### 26258 Series (Side)



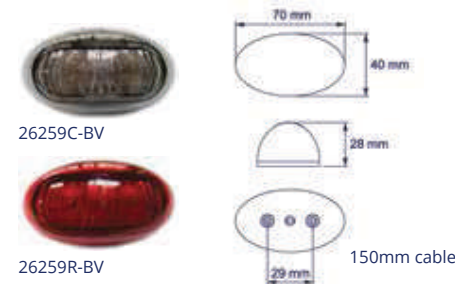
Part No	Voltage	Colour	Bracket	ECE
26258A-V	12/24V	Amber	✓	✓
26258AK-V	12/24V	Amber	✓	✓
26258R-V	12/24V	Red	✓	✓
26258RK-V	12/24V	Red	✓	✓
26258C-V	12/24V	White	✓	✓
26258CK-V	12/24V	White	✓	✓

### 26550 Series



Part No	Voltage	Handed	ECE
26550-2VRH	12/24V	Right Hand	✓
26550-2VLH	12/24V	Left Hand	✓

### 26259 Series (Outline)



Part No	Voltage	Colour	ECE
26259C-BV	12/24V	White	✓
26259R-BV	12/24V	Red	✓

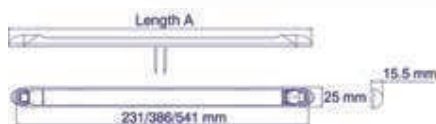
### 26256 Series - Number Plate Lamp



Part No	Voltage	Connector	ECE
26256CK-G	12/24V	450mm fly lead	✓

## INTERIOR LAMPS

### Strip Lights

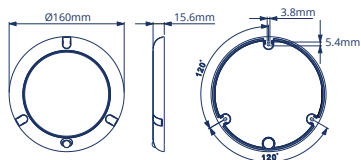


#### Main Features

- EMC approved (ECE R10)
- Integral on/off switch for maximum versatility
- Water, dust and shock resistant
- Operating temperature: -30 to +50 °C
- Wiring: 100mm fly lead
- 5 year warranty

Part No	Voltage	Length A	Current	Consumption 12/24V	Lumen	Candela	Number of LEDs
22785CKS-WV	12/24V	245mm	0.3/0.2A		300	60	9
22776CKS-WV	12/24V	400mm	0.5/0.2A		600	130	18
22762S-12V	12V	555mm	0.6A		378	420	27
22762S-24V	24V	555mm	0.59A		378	420	27

### Circular Lights



#### Main Features

- Ultra low profile
- Built-in motion detecting PIR sensor for automatic switch on
- Non-PIR models can be controlled by a linked PIR model
- Water, dust and shock resistant
- Operating temperature: -30 to +50 °C
- IP67 Ingress Protection

Part No	Voltage	SMD LEDs	Current	Consumption 12/24V	Lumen	Candela	PIR Sensor	Connection
22791CP-V	12/24V	21	0.5/0.25A		1400	160	✓	180mm cable
22791C-V	12/24V	21	0.5/0.25A		1400	160		180mm cable

## LED WORK LAMPS (LAP279 Range)

Our 27W LED Work Lamps feature the latest LED technology for bright light output with minimal power consumption. Available as round or square models, they are both lightweight and durable.



LAPS279



LAPR279

#### Main Features

- EMC approved
- 9 x 3W High intensity LEDs with wide angle optics for flood beam
- 27W / 1600 Lumen
- PMMA Lens with die cast aluminium housing
- IP67 Ingress Protection
- 12 month warranty

#### Specifications

- Operating temperature: -40 to +120°C
- Voltage: 12-30V
- Current draw: 2.1A (12V) - 1.1A (24V)
- Dimensions: 110 (l) x 55 (d) x 128mm (h)
- Dimensions for magnetic version: 110 (l) x 55 (d) x 155mm (h)



LAPS279MAG



LAPR279MAG



## LED WORK LAMPS (LAPS155)

The dual voltage (12/24V) LAPS155 is manufactured with 5 x 3W LEDs and is an excellent source of working light.



### Main Features

- Dual Voltage (12/24V)
- Current draw: 1.25A (12V) - 0.625A (24V)
- IP67 Ingress Protection
- Dimensions: 110 (l) x 51 (d) x 135 mm (h)
- Extra strong polycarbonate lens
- Aluminium housing
- Stainless steel bracket
- 15W/1100 Lumen
- 12 month warranty

## BLUE FORKLIFT WARNING LIGHT (FKL15B)

Specifically designed for safety, the FKL15B gives advance warning of approaching forklift vehicles and other traffic in loud environments.



### Main Features

- Multi-Voltage (10-48V)
- 5 x 3W Blue LEDs
- IP67 Ingress Protection
- Dimensions: 99 (l) x 85 (d) x 152 mm (h)
- 1100 Lumen
- Strong polycarbonate lens
- Aluminium housing
- 12 month warranty

## OEM LED WORK LAMPS



Part No	Voltage	Type	SMD High Power LEDs				Current Draw	Connector	Weight KG (Approx)
			Qty	Watt	Lumen	HV CD			
22806	12-36V	Spot	9	22	2160	5400	1.5A (13.5V) / 0.73A (28V)	280mm cable	0.67
22807	12-36V	Flood	9	22	2160	4100	1.5A (13.5V) / 0.73A (28V)	280mm cable	0.66
22808	12-36V	Flood	8	19	1920	3600	1.5A (13.5V) / 0.67A (28V)	280mm cable	0.62
22809	12-36V	Flood	6	18	1440	3450	1.0A (13.5V) / 0.5A (28V)	280mm cable	0.51
22817	12-36V	Flood	3	8	720	1100	0.6A (13.5V) / 0.3A (28V)	280mm cable	0.17

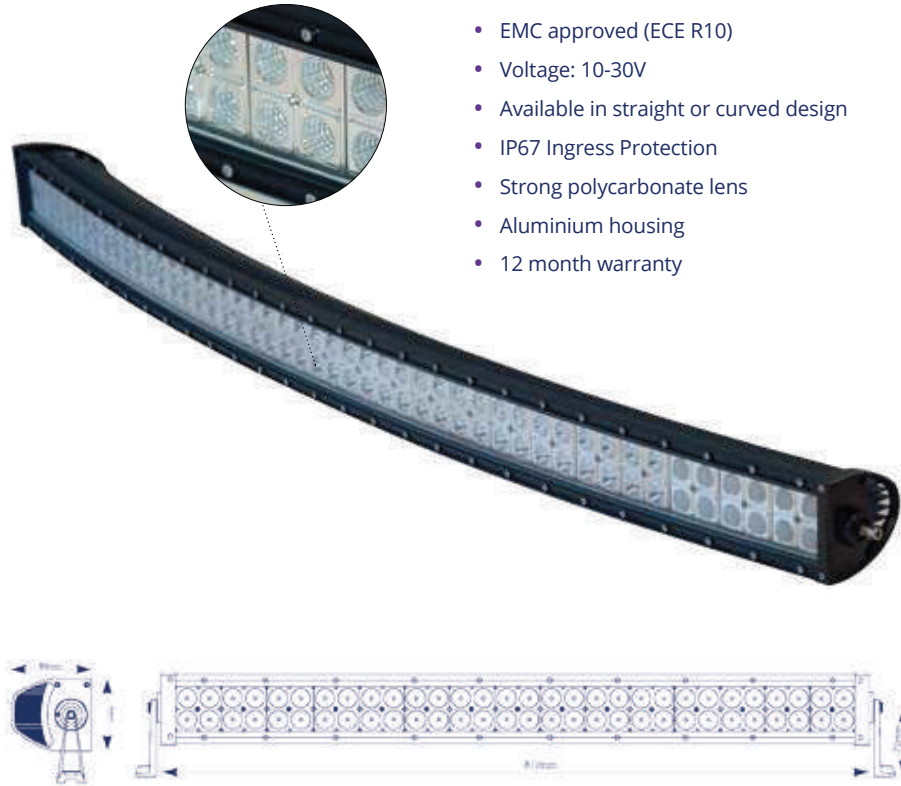
Material				Resistant			IP Rating	Temperature
Lens	Housing	Bracket	Hardware	Water	Dust	Shock		
PC	Aluminium	Stainless	Steel	✓	✓	✓	IP69K	-30°C - +50°C

## LED WORK LIGHT BARS

Our range of straight and curved LED work light bars are manufactured with ultra-bright 3W LEDs giving an impressive working light that can be angled to your exact requirement. Available in 3 different lengths, the SB & BB worklight bars provide a large, well illuminated working area.

### Main Features

- EMC approved (ECE R10)
- Voltage: 10-30V
- Available in straight or curved design
- IP67 Ingress Protection
- Strong polycarbonate lens
- Aluminium housing
- 12 month warranty



Part No	Style	Length	Number of 3W LEDs	Total Power	Voltage	Lumen
BB31	Curved	31" (810mm)	60	180W	10-30V	12600
BB41	Curved	41" (1060mm)	80	240W	10-30V	16800
BB50	Curved	50" (1260mm)	96	288W	10-30V	20160
SB31	Straight	31" (810mm)	60	180W	10-30V	10800
SB41	Straight	41" (1060mm)	80	240W	10-30V	14400
SB50	Straight	50" (1260mm)	96	288W	10-30V	17280

## REVERSING CAMERA KIT (RCK070) AND ACCESSORIES

Supplied with 7" LCD monitor, 1/3" CMOS camera and 20 metre extension cable.



### Main Features

- EMC approved (ECE R10)
- Voltage: 9-36V
- Rear-view camera meets IP68 rating
- Lens angle of 120°
- Operating temperature of -20°C to +50°C
- 18 IR Infrared LEDs for low light and night use
- 3 Camera input capacity
- Integral monitor speaker and camera microphone

## ACCESSORIES

Easy to use plug-in and go optional extras for the RCK range.



63201103

Standard rear view camera as supplied with RCK070 kit, can be used as secondary or tertiary inputs and complete with adjustable visor.

Dimensions:  
80 x 75 x 70mm



63201104 (left)  
63201105 (right)

Left & right hand side cameras designed for safety when turning near pedestrians, cyclists and smaller vehicles.

Dimensions:  
60 x 57 x 84mm



63201106

Rear centre camera for use when loading & unloading, reversing and while vehicle is stationary.

Dimensions:  
135 x 210 x 77mm



63201108 (5m)  
63201109 (10m)  
63201110 (20m)

5m, 10m & 20m extension cables, available for all vehicle sizes.



63201107

Adjustable camera, ideal for use as a secondary camera and can be positioned anywhere on vehicle.

Dimensions:  
80 x 63 x 56mm

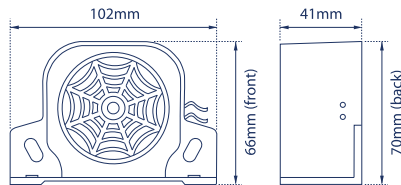
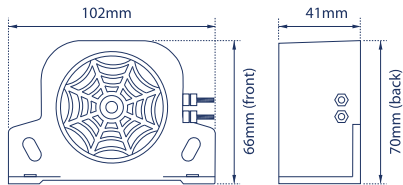


63201111 and 63201112

Adaptor cables for using new RCK accessories with the VPK range.

# REVERSING ALARMS

High performance safety reversing alarms that are designed to meet the requirements of a wide range of on and off-road vehicle applications.



## Main Features

- Multi-Voltage 12-80Vdc
- CE and 'E' marked (EMC)
- Available in 87, 97, 102 and 107 dB sound levels
- Night-silent model available
- Fully weatherproof / pressure washable
- Reverse polarity protected
- Available with wire lead or stud connections
- Epoxy encapsulated housing
- -30°C to +77°C extreme temperature reliability
- 2 year warranty

## What is ECE Regulation 65 ?

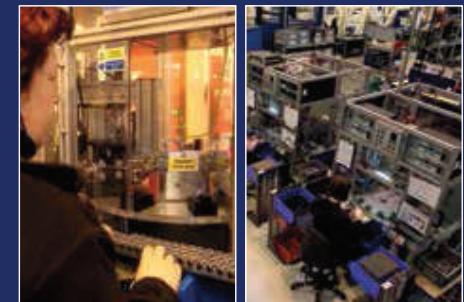
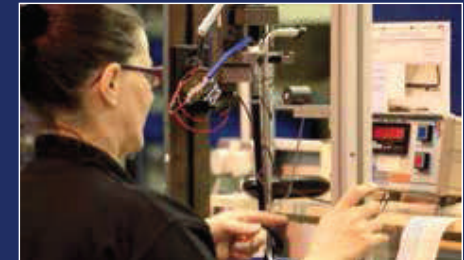


This regulation applies to vehicle warning lighting such as lightbars and beacons and ensures that a range of key measurements are met in terms of light output and environmental performance. This test is carried out under laboratory conditions, once approved products are issued with a certificate and it is a requirement for the "E" mark to be visibly displayed on the product.

In Europe all working vehicles must be fitted with Regulation 65 approved products, however in the UK this is not mandatory. Many UK fleet operators or insurance companies will follow the guidelines set out in the Traffic Signs Manual under Chapter 8 (section 5.3) which recommends the use of Regulation 65 approved products.

 LAP Quality & Reliability Guaranteed

Part No	Decibels	Voltage	Current Consumption @80Vdc	Mounting	Night Silent	Weight KG (Approx)
<b>Wire Lead Connection</b>						
RA087W	87dB	12-80Vdc	0.1A	Universal		0.30
RA097W	97dB	12-80Vdc	0.2A	Universal		0.30
RA097N	97dB	12-80Vdc	0.2A	Universal	✓	0.30
RA102W	102dB	12-80Vdc	0.25A	Universal		0.30
RA107W	107dB	12-80Vdc	0.4A	Universal		0.30
<b>Stud Terminal</b>						
RA087S	87dB	12-80Vdc	0.1A	Universal		0.32
RA097S	97dB	12-80Vdc	0.2A	Universal		0.32
RA102S	102dB	12-80Vdc	0.25A	Universal		0.32
RA107S	107dB	12-80Vdc	0.4A	Universal		0.32







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