

RSB Series Hazard/Warning Strobe/Rotate Beacons

CLASS 1
SAE/J845

ECE R10
Compliant

IP67
Protection

3 Year
Warranty

- Complies with SAE/J845 Class 1 Strobe*
- High Powered LEDs
- 10 Selectable Flash Patterns
- Voltage Range 10-30 Volt
- 3 Point Fixed Mounting
- IP67 100% Water/Dust Proof
- 3 Year Warranty

Function	Amber Strobe/Rotate Beacon
Size	130mm Round x 118mm
Voltage	Multivolt 10-30V
Cable	350mm
Power	24W
Flash Rate	Varies
Lens	Polycarbonate
Base	Nylon 6-6

@13.8V @28V

Draw Strobe	1.44A	0.73A
Draw Rotate	0.71A	0.36A
Compliant	Category	
SAE/J845	Class 1 - Strobe*	

Fitting Instructions

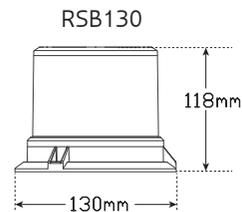
Fixed mount - Run cable through hole in mounting surface, fix beacon using bolts supplied.

Wire Colours:

Red - Power, Black - Earth,
Yellow Synchronisation/Flash Selection



Part Number
RSB130 - Box



Pattern Selection*	FPM	Pattern Selection*	FPM
1 Single - Class 1*	150	6 Double - Class 1*	75
2 Rotating Fast, Anti-Clockwise	125	7 Quad	62
3 Rotate Fast, Clockwise	125	8 Hexa (6)	50
4 Rotate Slow, Anti-Clockwise	62	9 Combination 1	-
5 Rotate Slow, Clockwise	62	10 Combination 2	-

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Function	Amber Strobe/Rotate Beacon
Size	165mm Round x 114mm
Voltage	Multivolt 10-30V
Cable	350mm
Power	20W
Flash Rate	Varies
Lens	Polycarbonate
Base	Nylon 6-6

	@13.8V	@28V
Draw Strobe	2.01A	0.96A
Draw Rotate	0.72A	0.36A

Compliant	Category
SAE/J845	Class 1 - Strobe*

Fitting Instructions

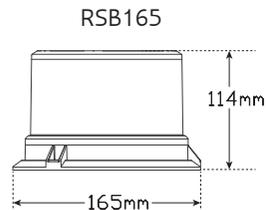
Fixed mount - Run cable through hole in mounting surface, fix beacon using bolts supplied.

Wire Colours:

Red - Power, Black - Earth,
Yellow Synchronisation/Flash Selection



Part Number
RSB165 - Box



Pattern Selection*		FPM	Pattern Selection*		FPM
1	Single - Class 1*	150	6	Double - Class 1*	75
2	Rotating Fast, Anti-Clockwise	75	7	Quad	62
3	Rotate Fast, Clockwise	75	8	Hexa (6)	50
4	Rotate Slow, Anti-Clockwise	32	9	Combination 1	-
5	Rotate Slow, Clockwise	32	10	Combination 2	-



All enquiries P: (03) 9466 7075 E: led@ledtech.com.au, www.ledautolamps.com

All efforts are made to ensure all information is correct and up to date, it can be subject to change without notice. All measurements are in millimeters (mm) and are not to scale.

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RSB SERIES LED BEACONS

Operating Instructions

LED Autolamps RSB Series Beacons offers cost effective, reliable LED warning solutions that meet SAE/J845 Class 1 requirements on selected flash patterns. All featuring a Roman lens, 10-30 Voltage Range, multiple flash patterns and sync control.

The electronics are encapsulated in epoxy resin for dust, moisture and vibration protection while the threaded polycarbonate lens allows easy flash mode selection. This cost-effective beacon series with extended long lifespan can replace old rotating or strobe beacons.

ECE R10
Compliance



Part No. RSB165

Part No. RSB130



WARNING

Failure to install or use this product according to manufacturer's recommendations may result in property damage, serious bodily/personal injury, and/or death to you and those you are seeking to protect!



Do not install and/or operate this safety product unless you have read and understand the safety information contained in this manual.

1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of you and those you are trying to protect.
2. Exercise caution when working with live electrical connections.
3. This product must be properly grounded. Inadequate grounding and/or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.
4. Proper placement and installation are vital to the performance of this warning device. Install this product so that output performance of the system is maximized and the controls are placed within convenient reach of the operator so they can operate the system without losing eye contact with the roadway.
5. Is it the responsibility of the vehicle operator to ensure during use that all features of this product work correctly. In use, the vehicle operator should ensure the projection of the warning signal is not blocked by vehicle components (i.e. open trunks or compartment doors), people, vehicles, or other obstructions.

Product Specifications

Part No.	RSB130	RSB165
Size	130mm Round x 118mm	165mm Round x 114mm
LED Qty	24 x 1W	40 x 0.5W
LED Colour	Amber	Amber
Voltage Range	10-30V	10-30V
Current Draw 13.8V/28V	Strobe 1.44A/0.73A Rotate 0.71A/0.36A	Strobe 2.01A/0.96A Rotate 0.72A/0.36A
Flash Patterns	10	10
Cable Length	350mm	350mm
IP Rating	IP67	IP67
Approvals	SAE/J845 Class 1 - Strobe	SAE/J845 Class 1 - Strobe

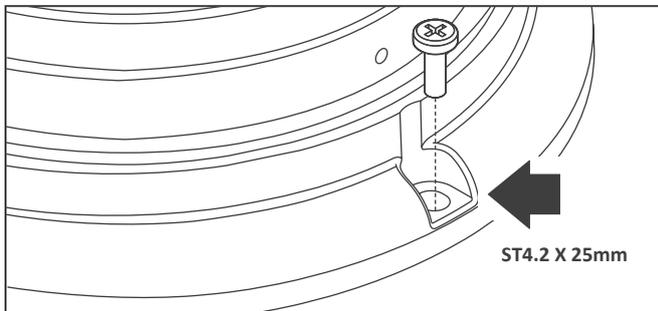
Flash Patterns

Description	FPM	
	RSB130	RSB165
Single (Class 1)	150	150
Rotating - Anticlockwise, Fast	125	75
Rotating - Clockwise, Fast	125	75
Rotating - Anticlockwise, Slow	62	32
Rotating - Clockwise, Slow	62	32
Double (Class 1)	75	75
Quad	62	62
Hexa	50	50
Combination 1		
Combination 2		

Installation & Mounting

Permanent Mount: CAUTION! Permanent mounting of this product will require drilling. It is absolutely necessary to make sure that no other vehicle components could be damaged by this process. Check both sides of the mounting surface before starting. If damage is likely, select a different mounting location.

1. Use the base as a template and mark the three mounting holes off onto the mounting surface. In the center between the mounting holes, mark the location of the wire access hole.
2. Drill mounting holes about 3.5mm into the mounting surface with a drill bit. Drill the wire access hole using a drill bit. Remove any burrs from the wire access hole.
3. Feed the wires first through the cable access hole. Place the base on the mounting surface and align the beacon mounting holes with the mounting holes drilled in step 2. Secure the beacon firmly to the mounting surface using the supplied mounting screws.



Wiring Instructions

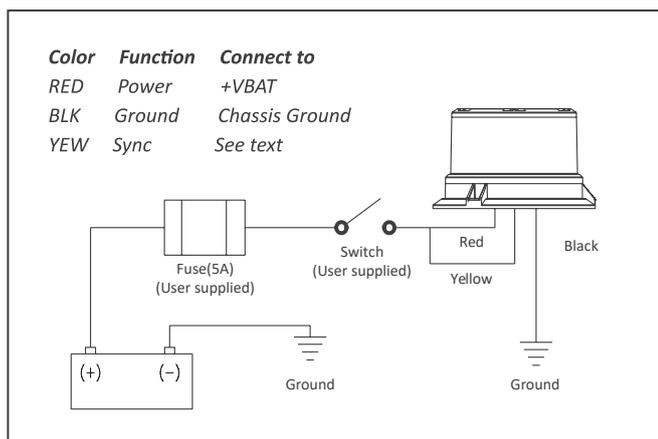
IMPORTANT WARNING! Do not look directly at these LEDs while they are on. Momentary blindness and/or eye damage could result!

Sync:

To sync multi-beacons, configure beacons to display the same phase pattern. With the power off, connect the Yellow wires from each one together. When they are activated, their patterns will be synchronized. To configure their patterns, connect one of the Yellow wire to Red wire/+VBAT.

Flash Pattern Selection:

Flash patterns can be selected by touching the Yellow wire to the Red power wire for less than a second.



Maintenance & Troubleshooting

Maintenance:

This LED beacon has been designed for trouble free operation. There are no periodic maintenance needs for this model.

Troubleshooting:

Most beacon failures, including intermittent or erratic operation as well as failure of operation can be traced to wiring or battery problems. Check all wiring, connections, fuse, switch, and battery voltage to insure that the correct voltage is reaching the beacon.

Warranty - 3 Year

This warranty covers faults in components and workmanship of the lamp itself when used under normal conditions and does not cover the following:

Faulty Installation	Over-voltage	Accidental damage
Excessive heat damage	Misuse or abuse	Cost of labour for removal and/or replacement
Chemicals that damage plastics as per Chemical Resistance List (see website for information)		

Making a Claim: All warranty returns must be tested off the vehicle to ensure that the unit is at fault. This can be done by directly attaching the lamps to a fully charged 12-volt battery.

Do not replace any products unless you are 100% sure that the suspected faulty product will be covered under warranty. If the unit is faulty, call your place of purchase so it can be directed to the LED Technologies warranty department or contact the LED Autolamps warranty department direct for full testing, evaluation, and warranty repairs.

If you consider the lamp to be faulty, disconnect the wiring of the lamp, remove nuts from bolts and send to:

LED Autolamps Reply Paid 90350, PO Box 2107 Bundoora VIC 3083

Please allow five business days for evaluation. Ensure returned warranties/credits have a completed Warranty Claim Form, which is found on our website under the "Warranty" Tab.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Please contact LED Autolamps for full terms and conditions

LED Autolamps

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www.ledautolamps.com