



0-443-27 - 4FT AMBER R65 LED Lightbar

Durite 4Ft (1207mm) R65 Class 2 AMBER Lightbar. 4 Bolt Mount LED Light bar. 12/24VDC. 244W. IP67 / IP69K. 19 Flash Patterns. Approved to ECE R10 (EMC) & R65 (Class 1 & 2).



WARNINGS

Before using this unit please read these instructions carefully.

Take special care to follow the warnings and safety suggestions listed below.

Keep these instructions for future reference.

There are no user-serviceable parts within the unit, refer servicing to qualified service personnel.

This unit is a safety device and it must be connected to its own separate, fused power point to assure its continued operation should any other electrical accessory fail.

Do not wire in parallel with any other accessory.

Disconnect the battery before wiring up the light bar, to prevent accidental shorting, arcing and/or electrical shock.

GENERAL

Durite Lightbars are versatile and powerful warning devices suitable for a range of vehicles types and duties.

The 0-443-XX is suitable for many vehicle applications.

They feature reflective LED modules, a durable aluminium chassis and polycarbonate lens.

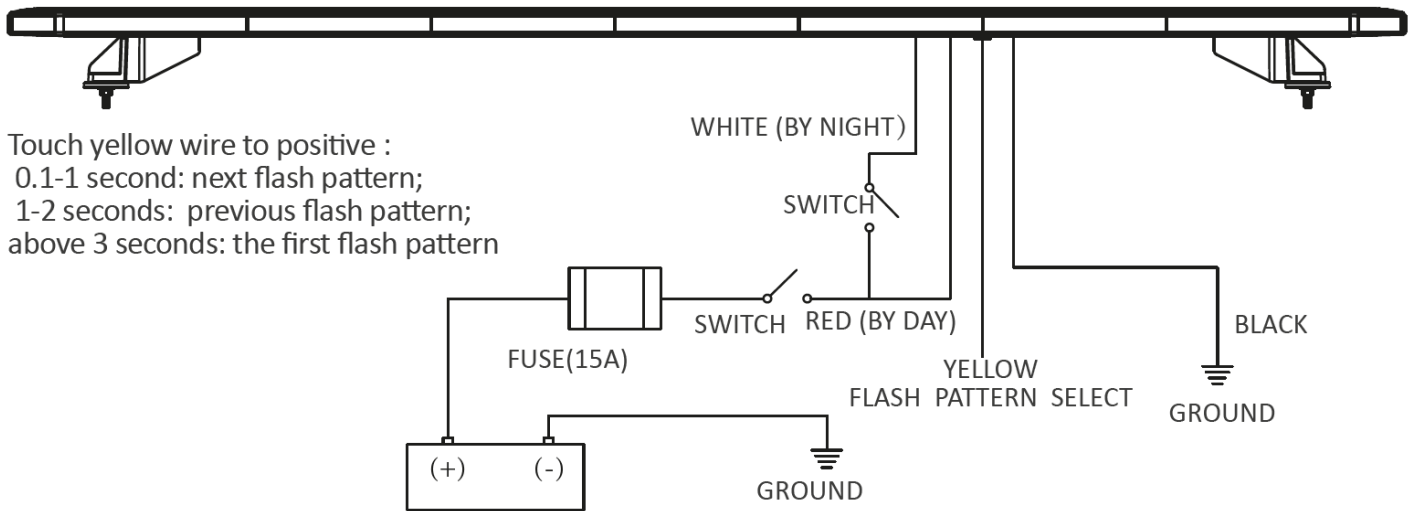
Available with 19 flash patterns.

The LED colour is amber providing a full 360 degree of bright scene lighting.

FLASH PATTERNS

Sequence	Description	FPM
1	Fast Single Flash / R65	125
2	Single Flash / CAT13	75
3	Slow Single Flash / ICAO TYPE C&D	60
4	Double Flash / R65	125
5	Quad Flash / R65	125
6	Single Flash, Left/Right Alternative	133
7	Triple Flash, Left/Right Alternative	176
8	Attack	15
9	Tenfold Flash	100
10	Flashing Forwarder/Backward	62.5
11	Accumulation	21
12	One-One Slow Flash	120
13	One-One Fast Flash	240
14	Arrow Flash, Right to Left	33
15	Arrow Flash, Left to Right	33
16	Arrow Flash, Middle to Both Sides	33
17	Alternating Flash	35
18	Combination	23
19	Steady On	

FUNCTIONS / WIRING



Touch yellow wire to positive :
 0.1-1 second: next flash pattern;
 1-2 seconds: previous flash pattern;
 above 3 seconds: the first flash pattern

Connect red wire to positive : ECE R65 By Day standard;
 Connect both red and white wires to positive: ECE R65 By Night standard.

MOUNTING

Before proceeding with installation, plan all cable and wiring routing. Select the mounting location for the light bar on a flat smooth surface and centre the unit across the width of the vehicle. The mounting location for the lightbar should be chosen such that the lightbar is level and visibility to traffic is optimised. Mounting should be such that there is no less than 12mm (1/2") clearance between the roof and the lightbar at any point.

1. Insert the heads of the M6 mounting bolts into the opening at the end of the slots on the base of the lightbar. Loosely fasten mounting feet to base extrusion using M6 nuts and spring washers (please refer to the diagram below).

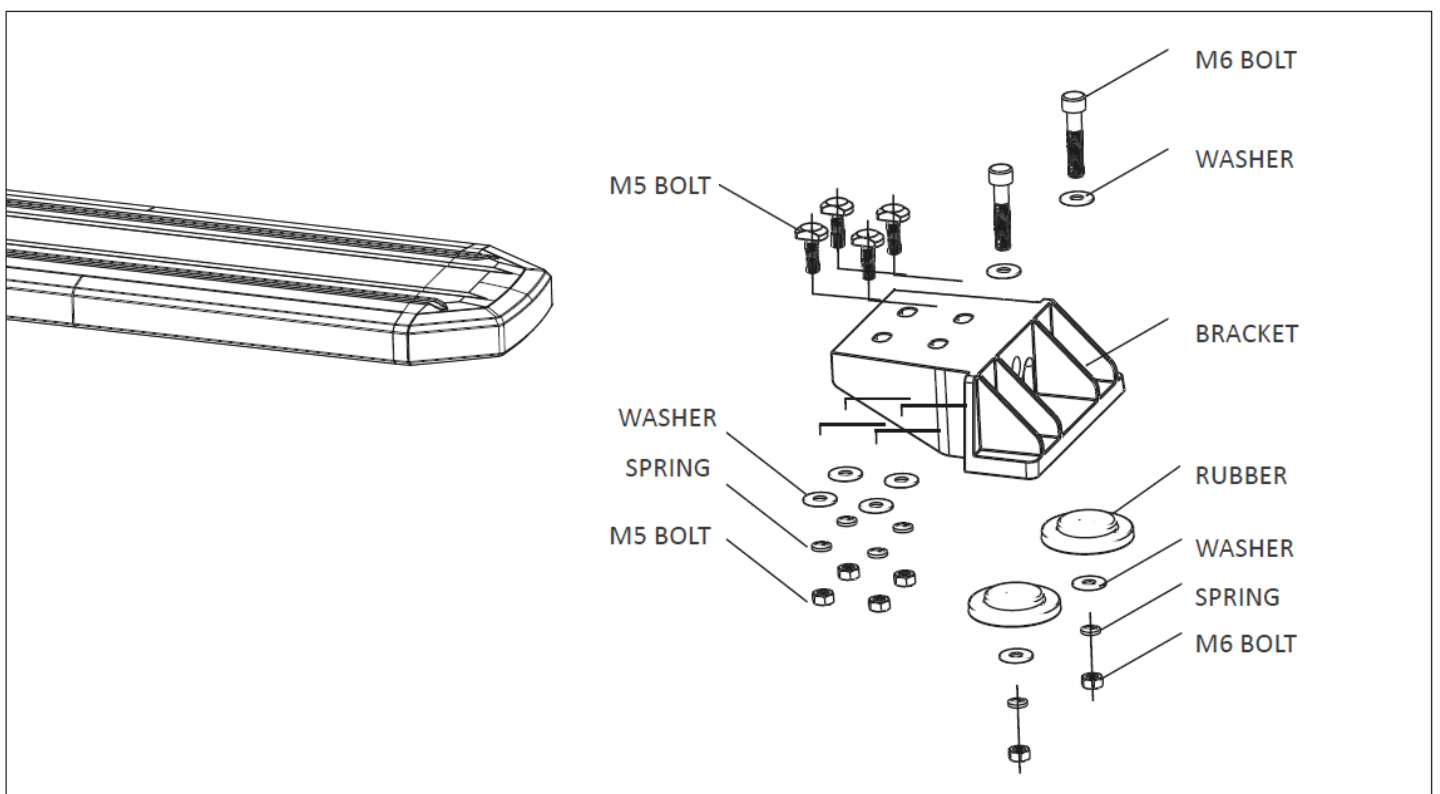
2. Determine the location of the lightbar and the best route for wiring.

3. Loosen the M6 nuts to allow the mounting feet to slide along the base. Place the lightbar on the vehicle in the determined location and slide the mounting feet into position. It is suggested that positioning of the feet be symmetrical and positioned near the curved edges of the roof where the roof is the strongest.

4. With the feet positioned, mark the location of the mounting hole centres on the roof. Remove the bar and drill the 5mm mounting holes as marked.

5. Insert M5 Coach bolts into the mounting feet (refer to diagram) and tighten the M6 nuts holding the feet to the base of the lightbar.

6. Mount the light bar, with the bolts going through the holes drilled in step 4, routing the wire as planned in step 2. See the wiring section of this manual for further wiring instructions. Install washers and M6 Nyloc nuts, and secure the unit.



WIRING INSTRUCTION

Notes for consideration:

1. Larger wires and tight connections will provide longer service life for components. For high current wires it is highly recommended that terminal blocks or soldered connections be used with heat shrink tubing to protect the connections. Do not use insulation displacement connectors.
2. Route wiring using grommets and sealant when passing through compartment walls. Minimize the number of splices to reduce voltage drop. High ambient temperatures (e.g. under hood) will significantly reduce the current carrying capacity of wires, fuses and circuit breakers.
3. Particular attention should be paid to location and method of making electrical connections and splices to protect these points from corrosion and loss of conductivity.
4. Ground termination should only be made to substantial chassis components, but preferably to the vehicle battery.
5. Circuit breakers are very sensitive to high temperatures and will 'false trip' when mounted in a hot environment or operated close to their capacity.

Wiring up the lightbar:

1. Route wires from the vehicle positive (battery, alternator, fuse block) to the switch panel in the cab. Use suitable high temperature vehicle cable if it passes through the engine compartment. Install a 15A fuse as close to the point of tapped power as possible.
2. Connect the wires to the positive side of the additional control switch panel with quick connect terminals or by soldering.
3. After the light bar has been mounted, route the wiring harness into the vehicle to the switch panel location.
4. Connect the wires of the light bar wiring harness to the switched side of each switch. See the diagram (functions and wiring) for wire colour key.
5. Connect the light bar cable Black wire (-VE) to a solid ground connection on the vehicle (Ideally, direct to the battery negative terminal).
6. Use cable ties and grommets to secure and protect all cables and wires.

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TECHNICAL SPECIFICATIONS

Type	4FT (1207mm) LED Amber Warning Lightbar
Voltage	10-30VDC
LED's	156 SMD LED's
Power	244W
Max Current Draw at 12VDC / 24VDC	8A / 4A
Flash Patterns	19
IP Rating	IP67 / IP69K
Fly Leads	100cm
Material Construction	PC lens, ABS brackets
Lens Thickness	13mm
Weight	4.6Kg
Dimensions	Please see page 2
Operating Temperature	-20° to +60°C
Storage Temperature	-20° to +60°C
Certificate	CE UKCA ECE R65 (Class 1 & 2). R10 EMC.

