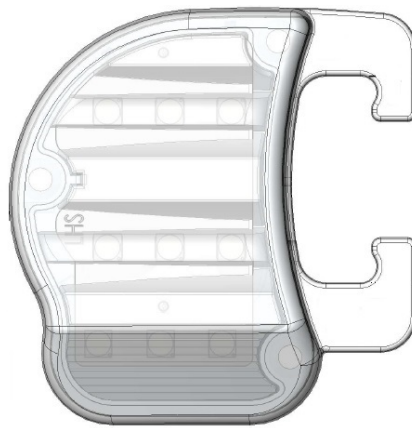


INSTRUCTION MANUAL

Roof bar light, 1 pair 12V

Part no: 19778-03



FEATURES

- Dual functionality: strobe and scene light
- 14 flash patterns
- Possibility to synchronise up to 3 pairs
- Operating voltage: 11~15 Vdc
- IP67
- ECE R65 class 1, ECE R10, EN55025

CABLE COLOURS

RED:	+Vdc	Strobe lights
BLACK:	-Vdc	Ground
BLUE:	+Vdc	Pattern
WHITE:	+Vdc	Dimming
YELLOW:	(signal)	Synchronisation
ORANGE:	+Vdc	Right scene light
GREEN:	+Vdc	Left scene light

OPERATING INSTRUCTION

STROBE LIGHTS

- Connect RED wire to +Vdc. Fuse at 3A minimum. When connecting 2-3 pairs, use a 5A fuse.
- Connect BLACK wire to GND.

FLASH PATTERN

- Tap BLUE wire to +Vdc quickly to select next flash pattern.
- Tap BLUE wire to +Vdc for more than 5 seconds to turn the unit OFF.

DIM MODE

- Connect WHITE wire to +Vdc to DIM the strobe light. This will reduce the brightness by 50% from the original.

SYNCHRONISED FLASH

- Connect YELLOW wires of all units and set all units to the required synchronised pattern.

ALTERNATING FLASH

- Connect and set all units to either P1 or P2 for the selected flash pattern.
- Units set to P1 will alternate with units set to P2 when YELLOW wires of all units are joined.

SCENE LIGHT

- Connect ORANGE wire to +Vdc to activate Right side scene light.
- Connect GREEN wire to +Vdc to activate Left side scene light.

FLASH PATTERNS

MODE	DESCRIPTION	ECE R65	SAE	FLASHES PER MINUTE
1	Single Flash P1	✓	–	120
2	Single Flash P2	✓	–	120
3	Double Flash P1	✓	–	120
4	Double Flash P2	✓	–	120
5	Quad Flash P1	✓	–	120
6	Quad Flash P2	✓	–	120
7	Single Flash (SIM) P1	–	✓	75
8	Single Flash (SIM) P2	–	✓	75
9	Double Flash (SIM) P1	–	✓	75
10	Double Flash (SIM) P2	–	✓	75
11	Quad Flash (SIM) P1	–	✓	75
12	Quad Flash (SIM) P2	–	✓	75
13	Steady Burn	–	–	–
14	OFF	–	–	–

OPERATING INSTRUCTION – MODUL-CONNECT

STROBE LIGHTS

- Join the RED wires of all roof bar lights and connect to one of the +Vdc outputs on the right hand side of the Modul-Connect box. Fuse at 3A minimum. When connecting 2-3 pairs, use a 5A fuse.
- Join the BLACK wires of all roof bar lights and correct to the corresponding GND output on the Modul-Connect box. The black wire also grounds the scene lights.

SCENE LIGHTS

- Join the ORANGE wires of all roof bar lights and connect them to one of the +Vdc outputs on the right hand side of the Modul-Connect box. This wire controls the *Right side scene light*. Fuse at 3A minimum. When connecting 2-3 pairs, use a 5A fuse.
- Join the GREEN wires of all roof bar lights and connect them to one of the +Vdc outputs on the right hand side of the Modul-Connect box. This wire controls the *Left side scene light*. Fuse at 3A minimum. When connecting 2-3 pairs, use a 5A fuse.
- To ignite both Right- and Left side scene light at the same time from one output on the Modul-Connect box, join the ORANGE and GREEN wires of all roof bar lights and connect them to one of the +Vdc outputs on the right hand side of the Modul-Connect box. Fuse at 3A minimum. When connecting 2-3 pairs, use a 5A fuse.

FLASH PATTERN

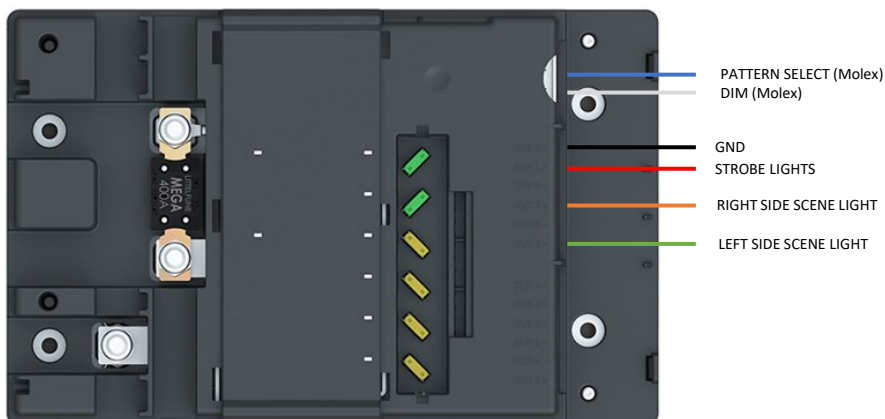
- For SYNCHRONISED flash, set all units to the required synchronised pattern using the BLUE wire (tap wire to +Vdc quickly to select next flash pattern). If you want the default flash pattern you can skip this step.
- For ALTERNATING flash, set all units to either P1 or P2 of the selected flash pattern using the BLUE wire. Units set to P1 will alternate with units set to P2.
- Join the YELLOW wires of all roof bar lights.
- Join the BLUE wires of all roof bar lights and connect them to a suitable port on the Molex connector. We recommend MOLEX2. This will enable you to change pattern in Modul-Connect. *NOTE! This is not recommended together with an alternating flash.*

DIM MODE

- Join the WHITE wires of all roof bar lights and connect them to a suitable port on the Molex connector. We recommend MOLEX1.

NOTE!

Products which shall be turned on at the same time, using the same switch, can share an output.



TECHNICAL SPECIFICATION

Part number	19778-03
Description	Roof bar light, 1 pair 12V
Total length (mm)	38
Total depth (mm)	15
Total height (mm)	45
Weight (g)	300
Operating voltage	11~15 Vdc
Power supply	12 Vdc
Operating temperature	-30°C to +70°C
Maximum power	Amber: 3W White: 3W
Amp draw	Amber: Max 1.09A White: Max 0.71A
LED	Amber: 3 pcs 1W LED White: 3 pcs 1W LED
Lumen	Amber: 240 White: 260
Lens	LIN
LED colour	Amber / White
Lens colour	White
Flash pattern	14 pcs
Synchronisation	≤ 3 pairs
Mount	Surface mount.
Cable length (mm)	2000
Material specification	Aluminium base, polycarbonate lens.
IP rating	IP67
Certification	ECE R65 class 1 ECE R10 EN55025
Type approval numbers	E6*65R00/10*0390*00, E6*10R05/01*1237*00, 2150299R-E3072400007