Fire & Safety Systems Ltd.

Technical Bulletin 089 – High Intensity Rain Light FIA 8874-2019

Rev2 16/02/2026

Developed for international and national motorsport use, the High Intensity Rear LED Rain Light unit is homologated for competition use by the FIA.



With its high intensity LEDs the new rain light is as bright as the previous model. The award winning LEDs themselves are highly energy efficient and have a 35,000 hour lifetime rating. Housed in Aluminium its robust design will easily meet the demands of a harsh racing environment.

Main Features:

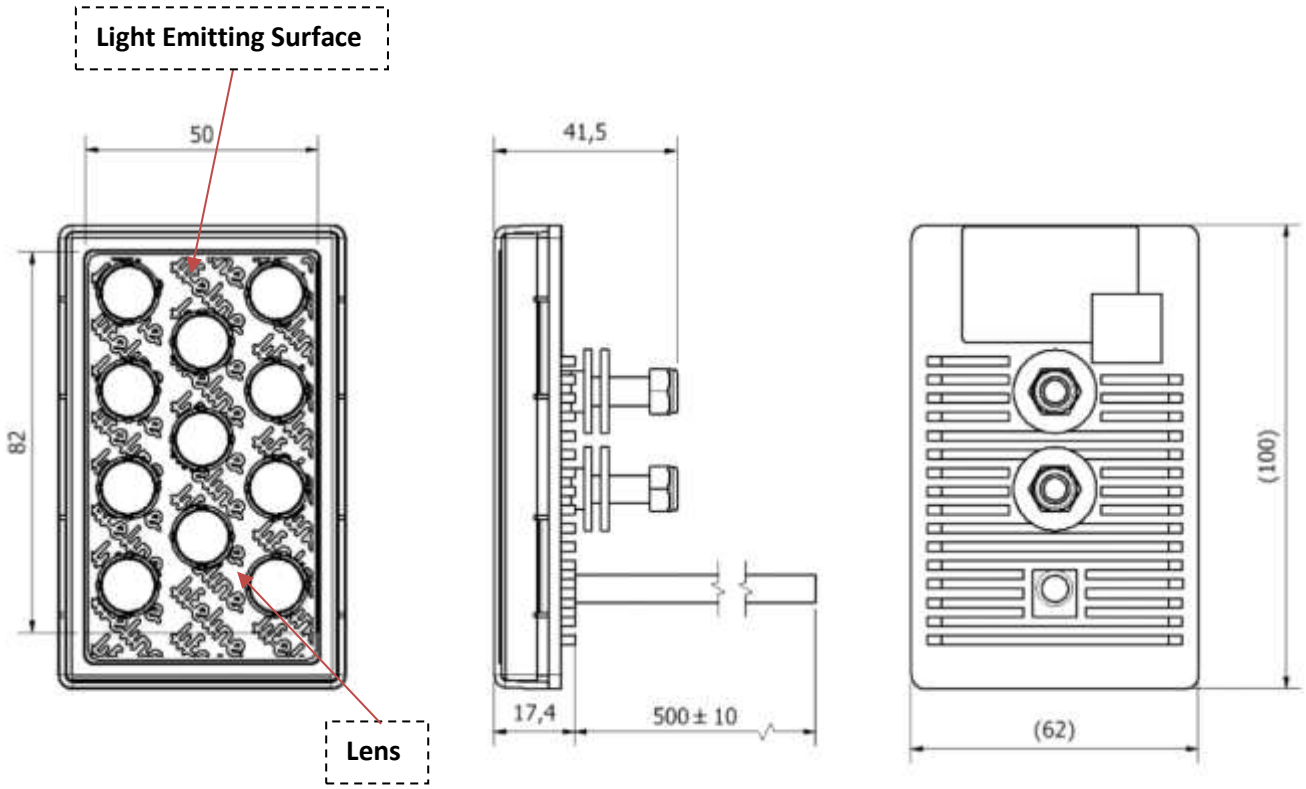
- Very High Brightness
- Lightweight
- Energy Efficient
- Robust
- Water Resistant
- Vibration Resistant
- Overheat Protected
- Replaceable protective screen

Lifeline operates a policy of continual improvement and reserves the right to change details or advice given in this Technical Bulletin without notice.
For latest advice contact Lifeline Technical Department on +44 (0)24 7671 2999

Specification:

Part Number:	421-100-018
Homologation No:	RL.020.25
Orientation:	Horizontal / Vertical
Display:	Light Emitting Diode
Number of LEDs:	11
Colour:	Red
Wavelength:	630nm
Apparent Light Emitting Surface:	41 cm^2
Number of Circuits:	3
View Angle:	+/- 20°
Light Output:	3269cd Average
Type of operation:	Static and Flashing
Operating Temperature:	-25 to +105°C
Fixing;	M6 Bolt
Dimensions:	62 x 100 x 17.8mm
Weight:	230g
Power Supply:	External 9 to 14 Vdc
Power Consumption:	8.4W, 700mA @12V
Flash:	4Hz

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Installation Instructions

This unit is designed to operate at 9 to 14VDC. Subjecting it to significantly higher voltages or alternating current will cause damage to the unit and possible injury to the user. The unit has a power consumption of 700mA @12V and an operating temperature range of -25 to +105°C.

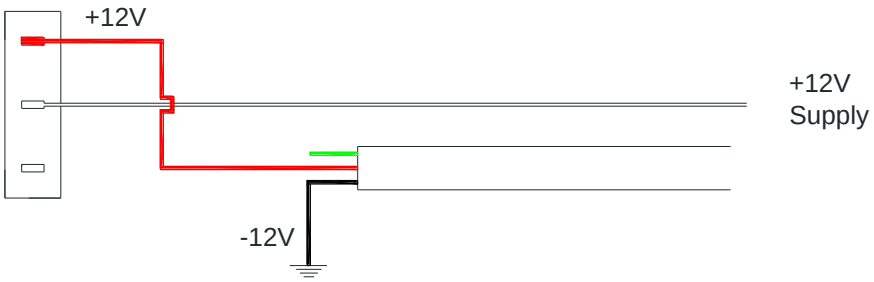
When mounting the unit do not over tighten the mounting bolt as this could damage the electronic circuitry and render the unit inoperable. We recommend no more than 11N/m or 8lbs/ft tightening torque.

Install the unit in accordance with the series recommendations.

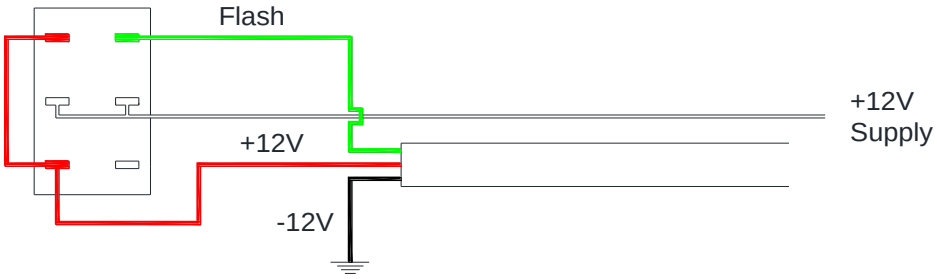
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Wiring Instructions

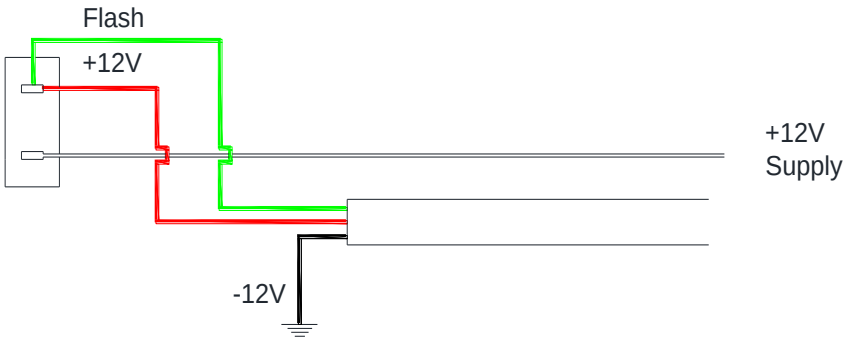
Red, +12V
Black, -12V
Green, Flash



To operate the flash, function a double pole ON-OFF-ON toggle switch is required.



To operate the flash, function ONLY a single pole ON-OFF toggle switch is required.



Notes	