



Fire & Safety Systems Ltd.



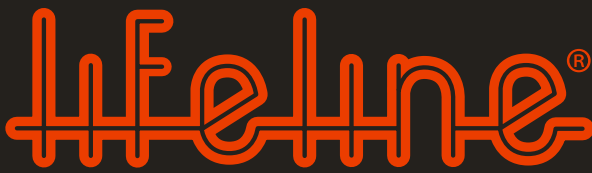
Technical Bulletin 051 – High Intensity Rain Light FIA 8874-2019

RL.001.21

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



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



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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

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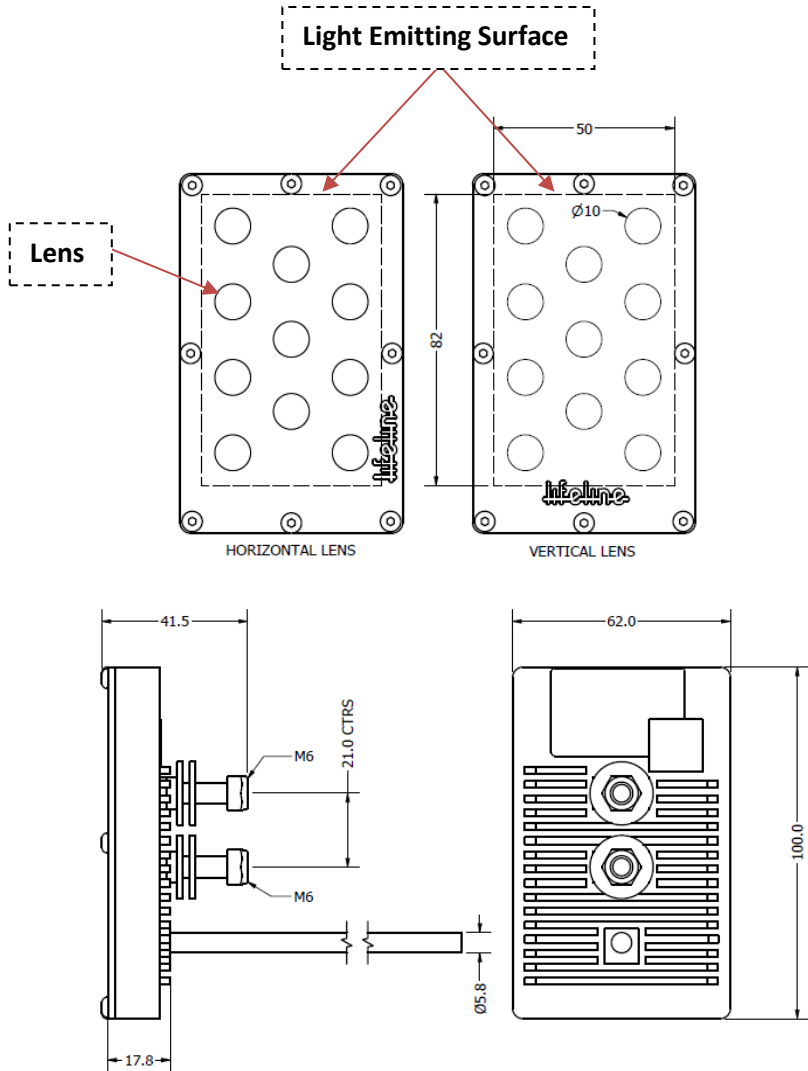
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Specification:

Part Number:	421-100-011
Homologation No:	RL.001.21
Display:	Light Emitting Diode
Number of LEDs:	11
Colour:	Red
Wavelength:	630nm
Number of Circuits:	3
View Angle:	+/- 20°
Light Output:	3269cd Average
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.

Two screens are supplied for vertical and horizontal installation. As supplied the rain light is in the vertical configuration, if horizontal is required the 8 screws should be removed (using a Torx T10 tool) from the screen and the horizontal screen installed taking care not to overtighten the screws. It is recommended to re-install the screws using thread-lock that has been allowed to dry before use to avoid wet thread-lock migrating on to the screen when fitting.

If the screen becomes dusty on the inner surface, the screen can be removed and cleaned by removing the screws. If thread-lock was used on the screws, as recommended above, the screw threads must be cleaned, and thread-lock reapplied prior to refitting.

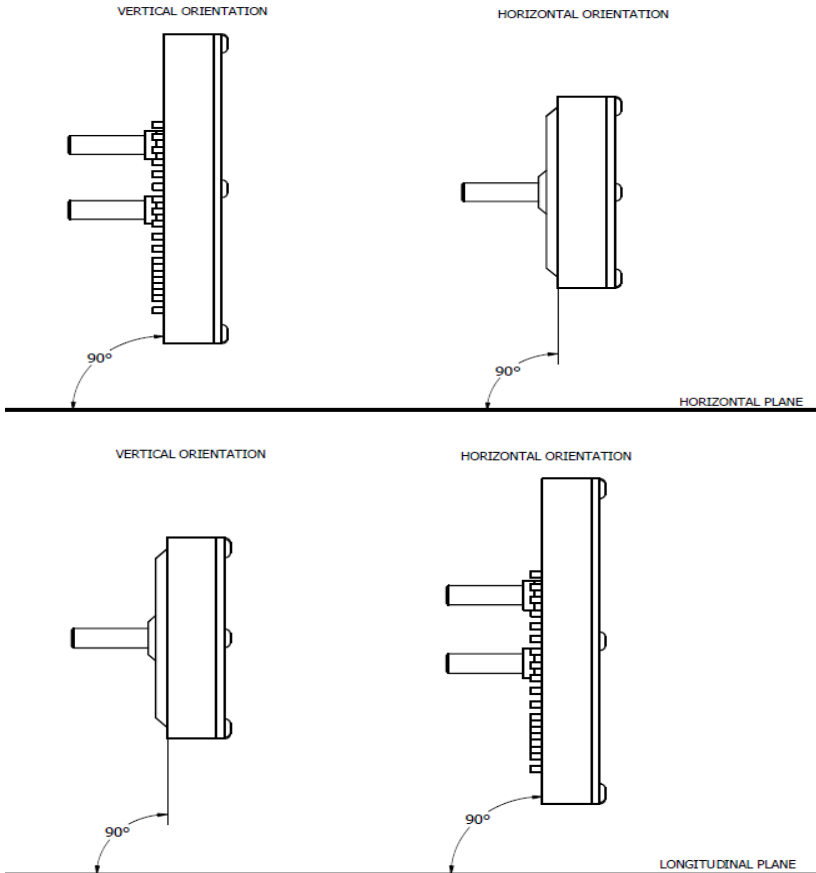
When mounting the unit do not over tighten the mounting bolt as this could damage the electronic circuitry and render the unit inoperable. We recommend no more than 11N/m or 8lbs/ft tightening torque.

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Install the unit in accordance with the series recommendations.

Drawing of the rain light showing the angle between horizontal and back of the rain light. The tolerance on the angle is fixed to ± 2 deg.

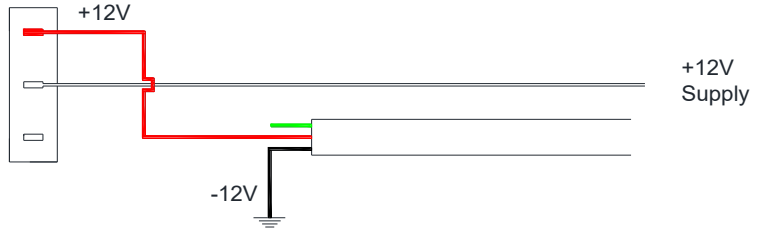


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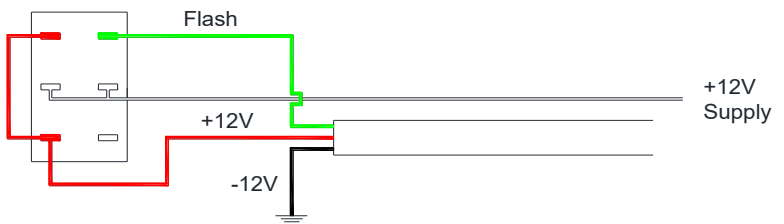


Wiring Instructions

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



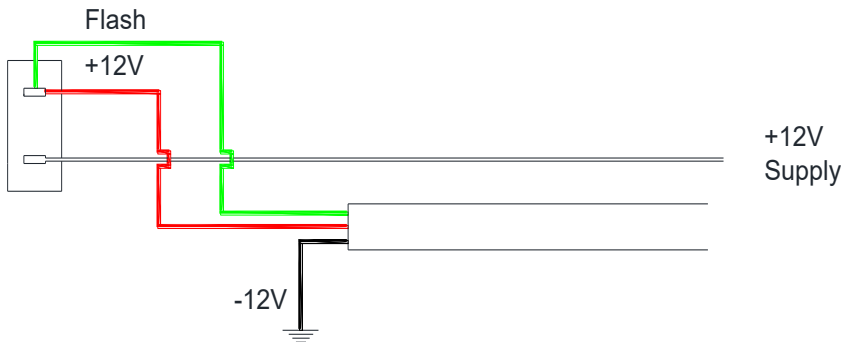
To operate the flash function a double pole ON-OFF-ON toggle switch is required.



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



Notes

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