Lifeline® Fire & Safety Systems Ltd

Technical Bulletin 008 Rev1 10/09/2014 – High Intensity Rain Light

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

To give the best visibility in the most extreme situations the High Intensity Rear LED Rain Light uses the latest in surface mount LED technology which gives a great advantage in brightness whilst retaining all of its predecessor's attractive features. An additional flash feature has been introduced to ensure the products compliance with any regulations that may come in the future.

With its high intensity LEDs the new rain light is four times 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 6061 Aluminium its robust design will easily meet the demands of a harsh racing environment.

Flashing rain lights have already been mandated to some race series. The flash function can be used when

- Stalled on the grid
- Driving slowly with misfire or puncture
- Safety Car or Red Flag spotted

Main Features:

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

Specification:

Part Number:	LL421-100-005
Homologation No:	MSA/RWL/36/14
Display:	Light Emitting Diode
Number of LEDs:	11
Number of Circuits:	3
View Angle:	+/- 20°
Light Output:	3269Cd Average
Operating Temperature:	-25 to + 60°C
Fixing;	M6 Bolt
Dimensions:	62 x 100 x 21.5mm
Weight:	230g
Power Supply:	External 9 to 14 Vdc
Power Consumption:	8.4W, 700mA @12V
Flash:	4Hz

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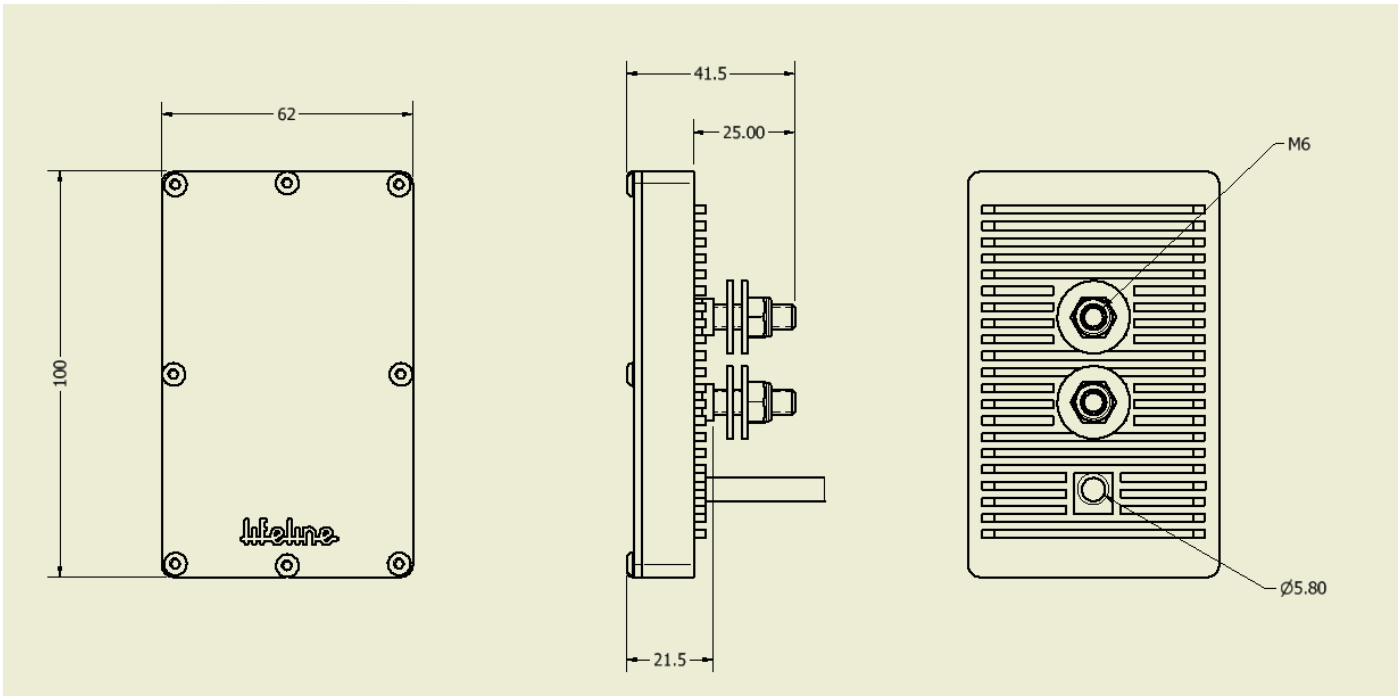

Installation Instructions

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 +60°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 recommendations laid out by the FIA and MSA.

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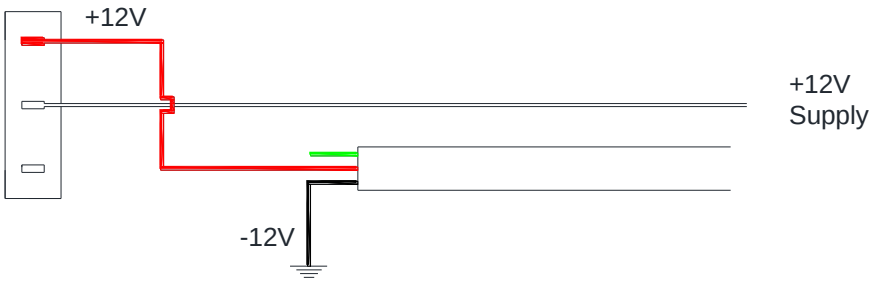
Wiring Instructions

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



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