

LEDOLLME
PRODUCTS

LET US BRIGHTEN YOUR SKIES

COMPANY STORY

Ledlume Products was started in 1996 by Ginger Mumford and has since pioneered a number of projects from hazard warning lights in industrial plants to indication lights for nautical, automotive and aviation use.

Ledlume Products designs products that provide customised solutions to meet particular industrial, commercial or private requirements. We design, develop and manufacture these products in-house assuring that our products are long lasting, robust and high quality.

Ledlume Products specialises in the design, development and manufacturing of LED (Light Emitting Diode) Products.

What is a LED?

A light-emitting diode (LED) is a semiconductor light source. Appearing as practical electronic components in 1962, early LEDs emitted low-intensity red light, but modern versions are available across the visible, ultraviolet, and infrared wavelengths, with very high brightness.

LED products stand for durability and long life. The life expectancy for a non-flashing LED is much longer than incandescent or fluorescent lamps, with 50 000 hours compared to 1 000 hours and 1 200 hours for incandescent and fluorescent lamps respectively.

LED means maintenance-free operation.

LED also means electricity cost saving, improved physical robustness, smaller size, and faster switching.

LED's emit a high brightness but run on a very low wattage.

Our current range of LED type lights include:

- Warning lights,
- Obstruction lights,
- Aviation warning lights,
- Flameproof lights,
- We guarantee all our products for a period of two years.

Our guarantee against defective workmanship and components of our range of LED lights is for a period of two years from the date of delivery.

This guarantee does not apply where failure is caused by the user and/or installer of the light due to incorrect handling, installation or other external forces, as well as electrical surges and lightening strikes, both indirect and direct lightening strikes. Adequate surge protection by the user/installer should be appropriately applied.



L-RANGE LED WARNING LIGHTS



L100



L76



L52



L12-30

Our LED encapsulated warning lights have been tested according to the international standard IEC 60958-2-1 and for SABS 1464 for the safety of Luminaries.

These lights are designed for heavy duty operation in areas classified as zone 1 hazardous locations underground. These lights are rated Ex m i/ ii and they are T6 with IP 68. The L range LED warning lights also have the option to be manufactured to the standard of Ex D i.

The number in the product code represents the number of LED's with in the light.

The L-Series is an encapsulated LED warning light. Designed to withstand the harshest of operating environments.

The L-series has many applications and voltages available:

Uses:

Overhead Cranes, Factory Warning lights, Towers, Signalling lights, Electric Panel.

Colours Available:

Red, Yellow, Orange, Green, White and Blue.

Voltage:

Many voltages can be supplied and in particular where only 3 (three) phase power exists without a neutral, the lights can be supplied to work across 2 (two) phases and can accommodate 380 and 550 Volts. These Warning Lights can be fitted to panels anywhere.

Voltages Available:

12, 24 Volt DC and 110, 220, 380 Volt AC, and 500 Volt.

Flashing or Non Flashing:

Lights are available in either Static Light (non-flashing) or Flashing Warning Lights.

Side or Bottom Entry:

The Power Cabling can either be underside or side entry.

Water Resistant:

These Lights are rated at IP65.

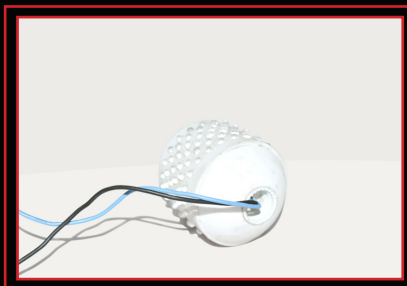
AVIATION WARNING LIGHTS



20mm conduit thread and Avia B with day/night switch.



Avia B ES Screw in existing housing.



Avia B 20mm conduit thread.



Avia B

Aviation is one of our planets most important modes of transport, logistics and revenue, it is also the safest. The reason is that aviation has a minimum set of strict requirements, guidelines and laws set out by ICAO (International Civil Aviation Organisation).

At Ledlume we have studied both ICAO and SACAA. This shed light on the specifications we would need to build our lights to. Ledlume customised, improved and developed a strict and strategic strategy in manufacturing LED lights that will surpass the minimum requirements and create a safe operating environment for our aviation industry to operate in. Our obstruction lights known as an Avia A and an Avia B are manufactured to adhere to the guidelines of the type A and type B aviation obstruction warning lights.

We chose the use of LED lights over compact florescent for many reasons, the most important being; the safety of the diode its self, the application of an LED from operational and safety uses far exceed that of the compact florescent light. Let alone the burning (operation) hours of the light, thus resulting in less maintenance and more reliability you can count on.

The type A aviation obstruction lights, low intensity, has to have a minimum of 10 candela. This obstruction light is used for heights up to 45 meters. The type B aviation obstruction light, low intensity, has to have a minimum of 32 candela. This obstruction light is used for heights from 45 meters up to 150 meters and is allocated to be used singly per position as per SACAA certification of this light. We do recommend that two be placed on the structure, one to be used indefinitely and the other is to be used as a backup in the unlikely event of failure of one of the lights.

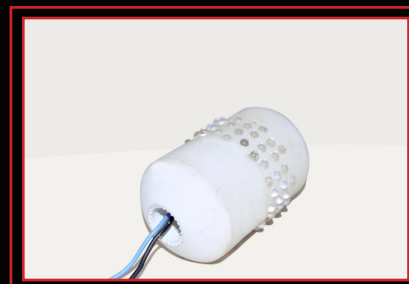
AVIATION WARNING LIGHTS



Avia A ES screw.



Avia B ES Screw.



Avia A streamline
20mm conduit thread.



Avia B encapsulated
20mm conduit thread

Uses:

Tower Cranes, Towers, Signalling lights, Oil rigs, Buildings or any other obstruction from 0 – 150 meters high.

Colours Available:

Red, Yellow, Orange, Green, White and Blue.

Voltage:

Many voltages can be supplied and in particular where only 3 (three) phase power exists without a neutral, the lights can be supplied to work across 2 (two) phases and can accommodate 380 and 550 Volts.

Voltages Available:

12, 24 Volt DC and 110, 220 Volt AC

Flashing or Non Flashing:

Lights are available in either Static Light (non-flashing) or Flashing Warning Lights.

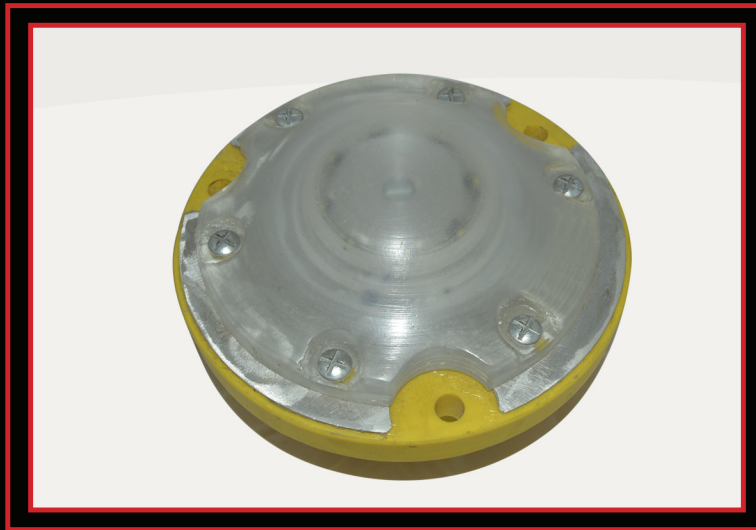
Side or Bottom Entry:

The Power Cabling can either be underside or side entry.

Water Resistant:

These Lights are rated at IP65.

HELIPAD, HELIPORT AND HELISTOP LIGHTS



Our helipad lights meet the requirements of the SACAA and have been accredited accordingly.

Our perimeter helipad landing light is manufactured to meet our Clients requirements depending on the circumstances the helipad is constructed in. Our helipads vary in candela output between 45 – 100 candela. This is due to ambient light surrounding the helipad light.

For example an oil rig has more ambient light than a game farm would. So the oil rig helipad light would need to be a lot brighter with supporting wind sock light as well as obstruction lights versus the helipad at a game reserve, it would need a blind sock light and a lower candela helipad light as to not blind or obstruct the vision of the pilot.

We have both encapsulated LED Aviation obstruction lights or a ES screw LED Aviation warning light for existing Aviation warning light fittings.

Uses:

Perimeter helipad/port/stop landing zone lighting.

Colours Available:

Red, Yellow, Orange, Green, White and Blue.

Voltage:

Many voltages can be supplied and in particular where only 3 (three) phase power exists without a neutral, the lights can be supplied to work across 2 (two) phases and can accommodate 380 and 550 Volts. These Warning Lights can be fitted to panels anywhere.

Voltages Available:

12, 24 Volt DC and 110, 220 Volt AC

Flashing or Non Flashing:

Lights are available in either Static Light (non-flashing) or Flashing Warning Lights.

Side or Bottom Entry:

The Power Cabling can either be underside or side entry.

Water Resistant:

These Lights are rated at IP65.

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