

GLOBAL SOLUTION for Airfield Ground Lighting

Low Intensity Lighting Package Lo Li Pack



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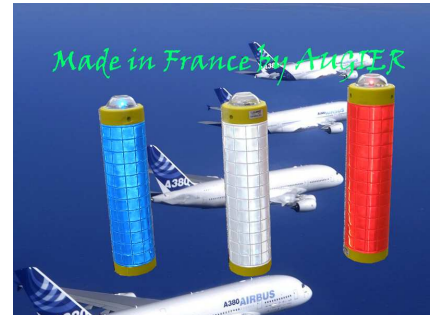
LoLiPack Presentation



The **LoLiPack** system is intended for airports fitted with up to 2000 meters runway, opened for VFR flights.

This **package** originally includes all **Airfield Ground Lights** necessary for visual aids, their **Constant Current Regulators** supplying the lights and the **Monitoring & Supervision system** allowing the control of the installation **from the ATC**.

The lights are Low Intensity type, using **LED technology**.



An **optional set of equipment** allows to complete the package depending on the airport needs.

LoLiPack - Some Examples



For a **2,000 m long airstrip** fitted with a 800 m long taxiway, the original **LoLiPack** kit would be made of:

- 58 elevated white runway edge lights,
- 12 elevated green and red runway threshold/end lights
- 54 elevated blue taxiway edge lights,
- 3 x 1 kVA CCR
in order to stick to the interleaving rules and
- 1 remote control system for the ATC.

For a **1,200 m long airstrip** fitted with a 100 m long taxiway, the original **LoLiPack** kit would be made of :

- 36 elevated white runway edge lights,
- 12 elevated green and red runway threshold/end lights
- 8 elevated blue taxiway edge lights,
- 3 x 1 kVA CCR
- 1 remote control system for the ATC.



*Contact us
for a deeper study*

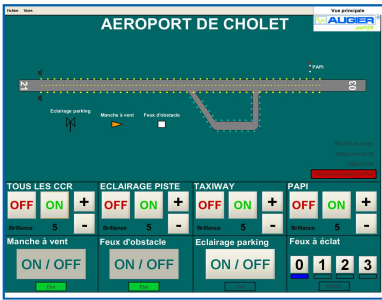
Standards

The entirety is designed to respect **ICAO Aerodrome Design Manual and its Annex 14**.

The **Constant Current Regulators** are compliant to **IEC 61822 standard**.

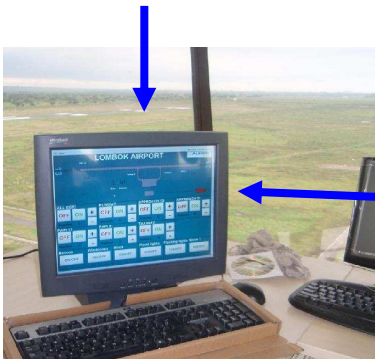
The **Airfield Ground lights** are compliant to the **ICAO Annex 14** and **certified in France**.

LoLiPack - Standard Components



The remote control system

A « **plug and play** » solution using an **Ethernet** network, the remote control system is based on an **SBS1000** solution. This system has a very simple design and is able to control every airfield lighting devices by mean of a preprogrammed cabinet and PC.



Constant current regulator

The lighting supply is performed by last generation **CCRs DIAM 3100** type. Their number is: **3 to 5 units** depending on the configuration.

Those regulators are **stackable** (up to 3), in order to reduce the floor space that sometimes could be a problem. Their power is limited at 6.5 kVA in order to remain **in the LV domain** (< 1000V) for the AGL circuits.



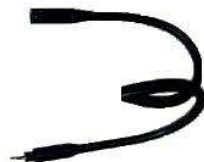
Light fixtures

The design of **Marklights®** is base on **LED technology**; they are combining a **retro reflective MARKER** function and are directly supplied by the lighting primary circuit **without external series transformer**.



LoLiPack - Optionnal equipment

1. Primary Cables & Connectors (1.1 kV)



2. PAPI system



3. RTIL (Runway Threshold Identification Lights)



4. Obstacle lights



5. Radio remote control