



**Signalight**

Safely guiding  
your way.

2023

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part of



## AIRPORT LIGHTING SYSTEMS

# VISTA

Precision lighting systems  
for aviation safety.



**GO BEYOND**

## About us

**Signalight** is the trademark of **Electro Max**; we are a manufacturer and supplier for complete systems of lighting equipment, navigation and guidance systems.

### Why us?

Our customizable systems come with exceptional value through a carefully thought set of services, aimed to assist you at every step: design, manufacturing, system setup, testing, validation, operation and maintenance.

We ensure flexibility and full technical support for integrating our solutions or even manufacturing lighting products according to customer requirements.

We offer a complete system of runway lights for small airports, aerodromes, for permanent or temporary runways on airfields, including runway edge lights, threshold lights, end lights, approach lights and taxiway lights. These runway light systems can be low or medium intensity. We also offer controllers for powering, controlling and checking the lights.

As guidance, we offer APAPI and PAPI units, wind direction indicators, taxiway signs, runway guard lights.

For large airports, we offer all types of taxiway signs, mandatory, indication, location signs, but also arresting gear marking, distance markers and runway guard lights.

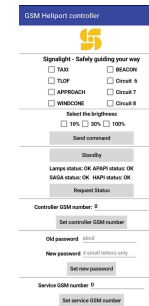
### Quality

Our products have unique features and have proven their worth in some of the world's toughest conditions. Electro Max is an authorized OSRAM manufacturer who has integrated successfully several management systems such as ISO 9001, ISO 14001, OHSAS 18001. Our products comply with all ICAO, FAA standards and European directives, are manufactured in the EU and come with an CE Declaration of Conformity.

### Mission & Vision

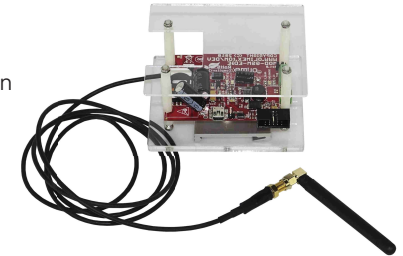
Our mission is to make every product better than any other in its class. Our policies on innovation and development guide us to smarter, safer and more sustainable choices for you.

### • GSM Module



**Code: AL-078-AX**

- Option for Controller V3
- Light control and monitoring.
- Compatible with any GSM network.
- Control all system functions using an Android smartphone application.



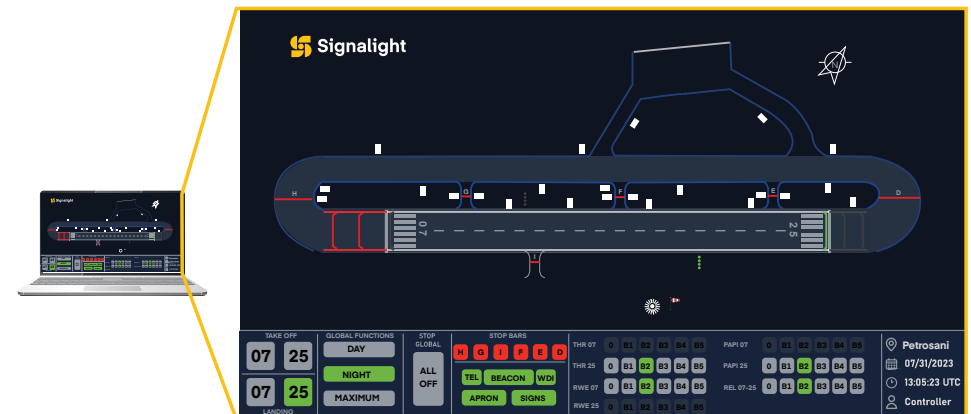
### • Airfield Lighting Control & Monitoring System - ALCMS

- Option for Controller V3 & V4

Remote control software using RS485 protocol communication.

The software environment replicates the runway lighting and guidance system layout and configuration.

The user is in complete control over circuits, brightness steps, failure reporting etc.



(touch screen option available)

## Controllers

### • Airport Controller V3


**Code: AL-078-AX**

The controller has maximum 8 output independent circuits. These circuits can bear different outputs: 230 V AC, 48V DC, 1.4 A.

- The system can be controlled via five different options, as follows:  
Front-panel buttons.  
Remote console using RS485 protocol communication.  
PC Software using RS485 protocol communication.  
GSM communication.  
ARCAL remote control.

### • Airport Controller V4


**Code: AL-080-AX**

The controller can have as many independent circuits as needed. These circuits can bear different outputs: 230 V AC, 48V DC, 1.4 A.

More features than Airport Controller V3:  
-touch screen with graphical UI  
-reporting and diagnostics of the system

### • Console Controller


**Code: AL-110-AX**

- Option for Controller V4
- This console communicates with the controller using RS485 protocol so that the user can turn the power ON or OFF on different circuits, can choose the brightness and check the lighting and guidance systems parameters on the console display.

### • L-854 Air-to-Ground Radio Receiver


**Code: AL-118-AX**

- Option for Controller V3
- The system is designed to operate on airports or heliports, allowing the pilot to control the airfield lights using its own radio communication,system controller.

## Key Features

### Lighting system with up to 8 circuits of 500W max. each

#### LED Technology

- No lamp changing for the entire lifetime of the light unit.
- low power

#### Serial Circuit

- no transformers needed
- no CCR needed
- 1,4A constant DC current
- 350V maximum
- low voltage cable

#### Controlling Modes

- GSM
- Console control
- PC software
- PAL (Pilot activated lighting)
- local (controller front panel)
- Airfield Lighting Control & Monitoring System - ALCMS

#### Dimmable

- 1%, 3%, 10%, 30%, 100%

#### Light Output

- High Intensity - According to ICAO
- Medium Intensity - 30% of ICAO
- Low Intensity - 10% of ICAO

#### Failures Report

- lamp failure
- circuit failure
- open loop
- systems failure

# Airport Lighting

## Legend

- Taxiway
- Approach
- Runway Edge
- Threshold/Runway End
- RTIL
- Runway Guard Light
- PAPI/ APAPI
- ▬ Windcone
- ← A Direction
- A 27 Location and Runway hold position

## VISTA SYSTEM

• Taxiway



AL 105-02-BL

• Approach



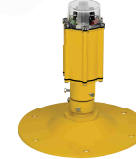
AL 101-03-WH

○● Runway Edge



AL 103-06-WH

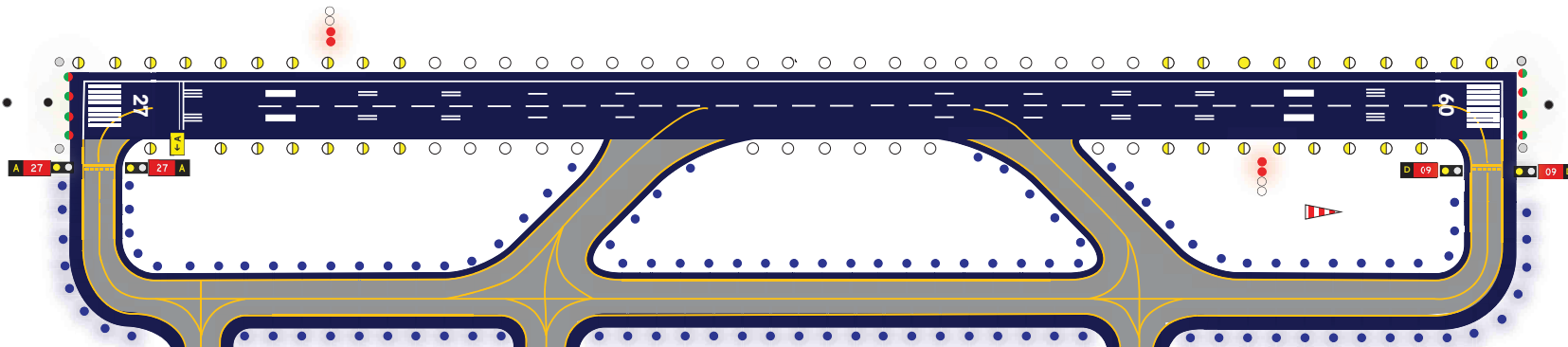
● Threshold/End



AL 104-04-GR/RE

**Low & Medium Intensity**

**High Intensity**



■ Runway Guard Light



AL-026-48-XX  
(XX = RE or AM)

• PAPI/ APAPI



AL 088-30-WH-RE

▬ Windcone



AL-081-XX

← A Direction



AL 070-XXX-XX

A 27 Location and Runway hold position



AL 070-XXX-XX

○ RTIL



AL-080-24-WH