

signalight.com



VISTA

**Airport
Lighting
Systems**

**Precision
lighting systems
for aviation safety**



Signalight

GO BEYOND



About us

Signalight™ is the trademark of **ElectroMax®**;
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.

ElectroMax® is an authorized OSRAM manufacturer who has integrated successfully several management systems such as ISO 9001, ISO 14001 and 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.



Key Features

Control Modes

- Local (front panel controller)
- Console control
- PAL (Pilot activated lighting)
- ALCMS
- Over the Internet

LED Technology

NO lamp changing
for the entire lifetime
of the light unit.
Low power,
long autonomy

Light Output

- High Intensity
- Medium Intensity
- Low Intensity



**VISTA
changes
how power
is delivered
not what
pilots
see**

Maintenance

- On-site
- Remotely

Failures Report

- circuit failure
- open loop
- systems failure

Dimmable

1%

3%

10%

30%

100%

Circuit scalability

- Expandable multi-circuit architecture
- Adaptable to a wide range of applications
- Directly accessible from controllers

Serial DC Circuit

- **NO transformers** needed
- **NO CCR** needed
- 1,4 A constant DC current
- <1000 V
- Low voltage cable

Airport Lighting

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Legend

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



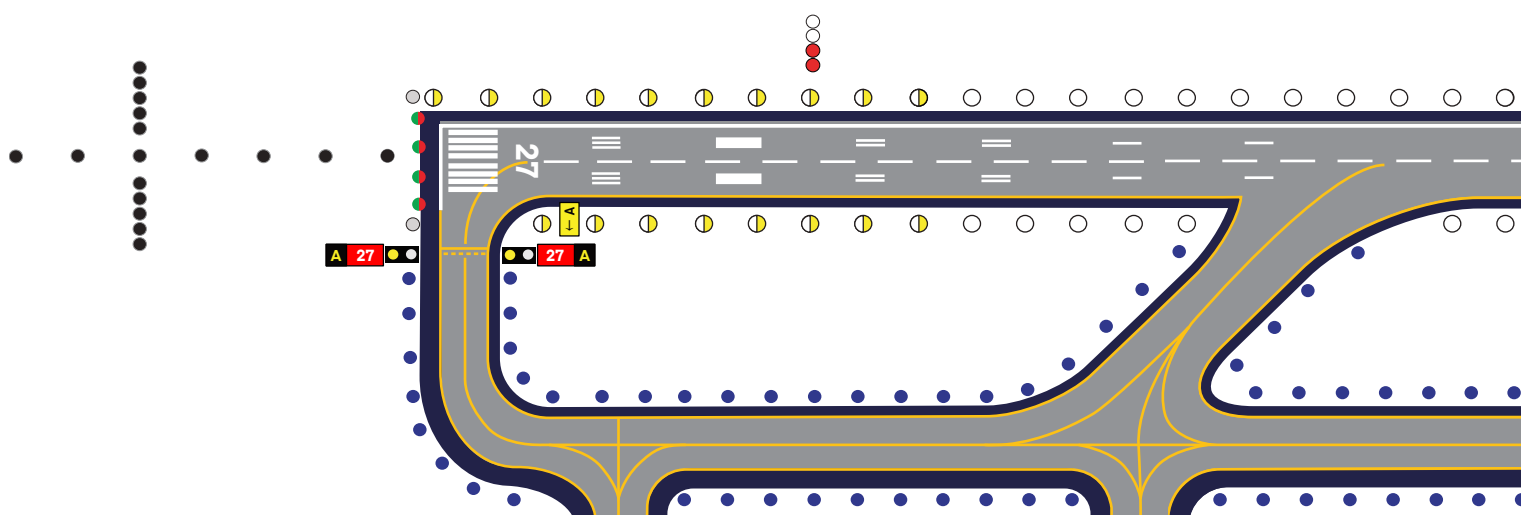
Approach



Runway Edge



Runway End



Runway Guard Light



PAPI / APAPI



Windcone



GO BEYOND

SYSTEM



Threshold End



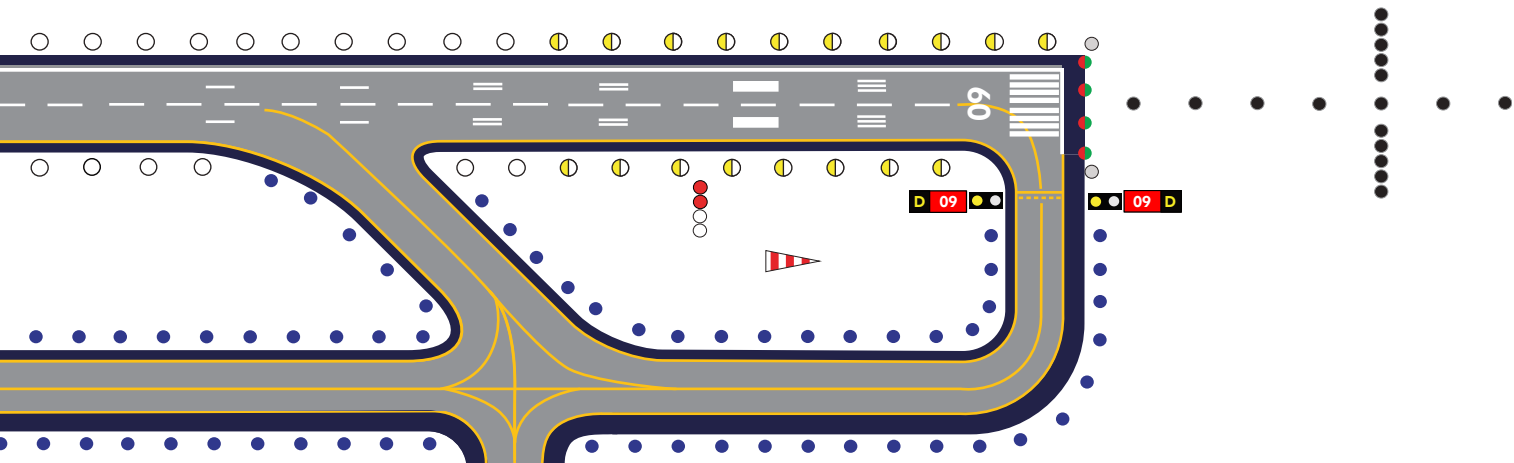
Threshold Wing-Bar



Taxiway



Low,
Medium
& High
Intensity



Direction



Location & Runway
Hold Position



Runway Threshold
Identification Light





Controllers



Airport Controller V4

The V4 Controller can have as many independent circuits as needed. Circuits can bear different outputs: 230 V AC, 48 V DC, 1.4 A. Front panel touchscreen displays: name and layout of the system, scenarios or directions of landing/takeoff (optional), brightness level, circuit status, ON/OFF toggle for individual circuits, errors, power, voltage and current (optional).



Console Controller V4*

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.

*optional for Controller V4



L-854 Air-to-Ground Radio Receiver*

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.

*optional for Controller V3 & V4

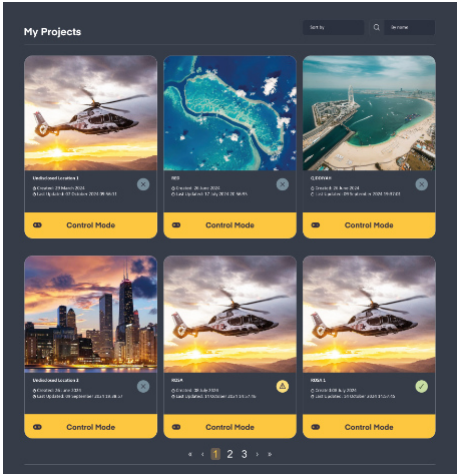


Over the Internet

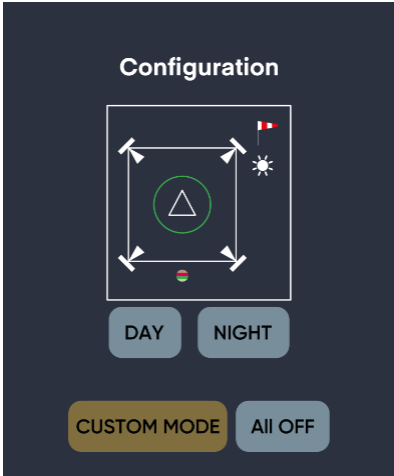
It uses RS485 protocol communication. Whether accessed from a PC, tablet, or smartphone, the user maintains full control over all circuits, including brightness levels and failure monitoring.

System Control

Control over the Internet



V4 Controller can be connected and controlled optional over the Internet with any device like smartphone, laptop, tablet or computer. The control is made accessing the address <https://alcms.signalight.com/> User can see all his projects with the status of the system and control the scenarios.



Airfield Lighting Control & Monitoring System*

Remote control software using RS485 protocol communication. Software environment replicates the runway lighting and guidance system layout and configuration. User is in complete control over circuits, brightness steps, failure reporting etc.



*optional for Controller V3 & V4

(touch screen option available)



Signalight

**Safely guiding
your way**

2026

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