AIRPORT LIGHTING SYSTEMS

VISTA

Precision lighting systems for aviation safety.

Signalight

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 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.

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)

Dimmable
- 10%, 30%, 100%

Light Output

Fixture type	APP	THR	TND - Green	TND - Red	RWE	END
Low Intensity	2368 [cd]	3270 [cd]	2574 [cd]	1088 [cd]	2104 [cd]	1088 [cd]
Medium Intensity	6906 [cd]	4137 [cd]	3239 [cd]	1088 [cd]	1081 [cd]	1088 [cd]

Failures Report
-lamp failure

-circuit failure

-open loop

-systems failure

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Airport Lighting

Legend

- Taxiway
- Approach
- ◑◯ Runway Edge
- Threshold\Runway End
- ◦ RTIL
- Runway Guard Light
- ∞●● PAPI/ APAPI
- ▷ Windcone
- ←A Direction
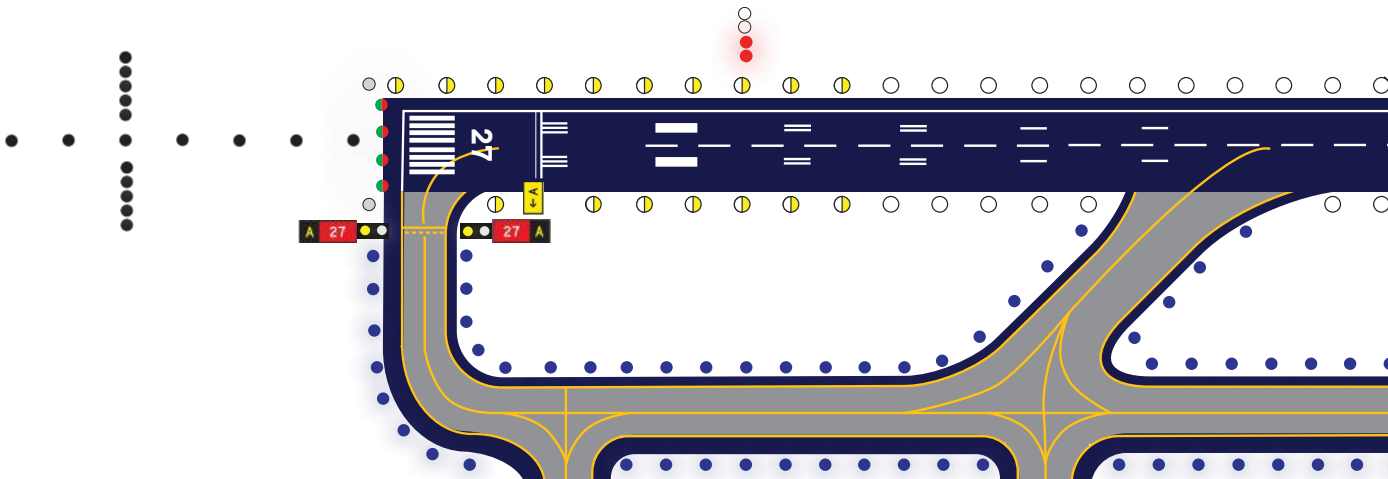- A 27 Location and Runway hold position

Taxiway

AL 105-02-BL

Approach

AL 101-03-WH

Runway Guard Light

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

PAPI/ APAPI

AL 088-30-WH-RE

Windcone
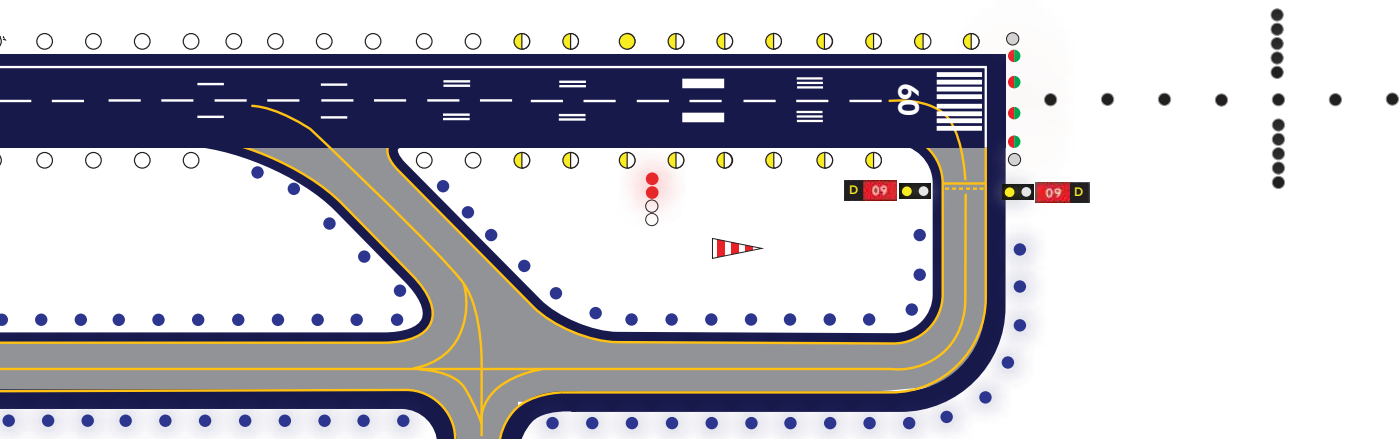
AL-081-XX

Runway Edge

AL 103-06-WH

Threshold/End

AL 104-04-GR/RE

RTIL

AL-080-24-WH

Direction

AL 070-XXX-XX

Location and Runway hold position

AL 070-XXX-XX

Controllers

● Heliport 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.

● Console Controller

Code: AL-110-AX

•Option for Controller V3

•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.
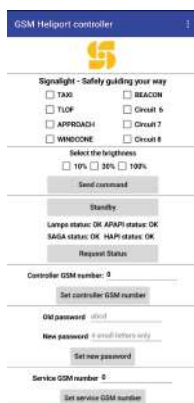
● L-854 Air-to-Ground Radio Receiver

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.

● GSM Module

Code: AL-078-AX

•Option for Controller V3

Light control and monitoring.

- Compatible with any GSM network.

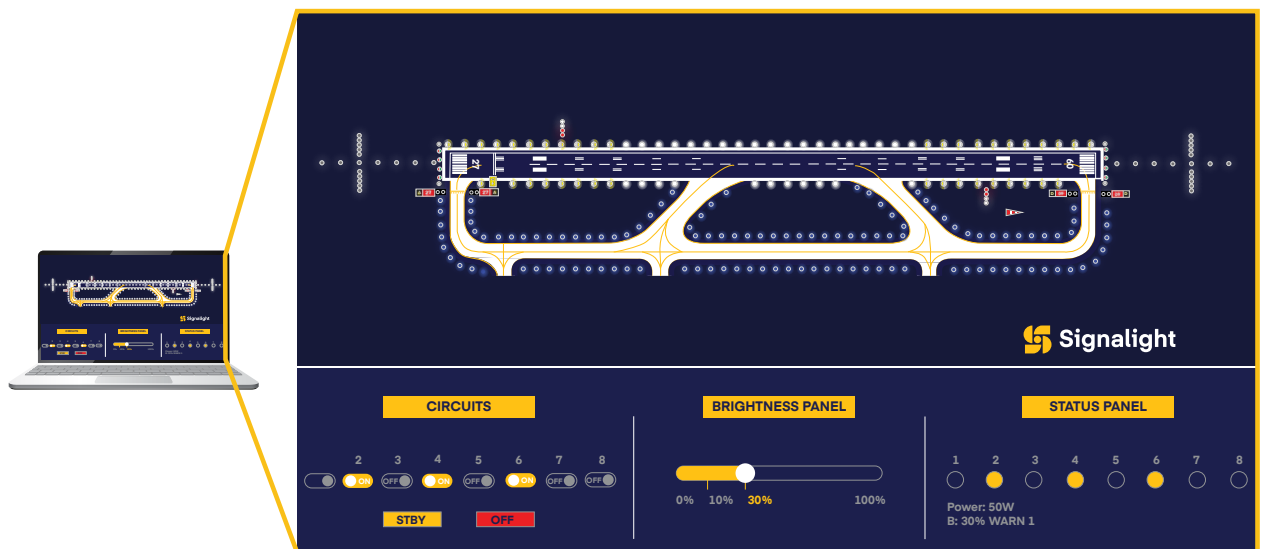- Control all system functions using an Android smartphone application.

•PC Software

•Option for Controller V3
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.

Accessories

Frangible Coupling AL-101-AX

Φ260mm Base Plate AL-102-AX

Mounting Base AL-103-AX

Adapter Disc for 8" Shallow Base AL-105-AX

Clinometer AL-102-AX

Standard Φ160mm Shallow Base AL-104-AX

Φ160mm Surface Mounted Base AL-106-AX

Φ160mm Shallow Base Installation Jig AL-108-AX

IP68 Electrical Junction Box AL-107-AX

Frangible Bracket AL-127-AX

Inset protection AL-109AX

Φ32mm Coupling Tube AL-100-AX

Frangible Coupling 2.5" - AL-114-AX

Low Mountig Profile AL-116-AX

EFLA Cable with KDC501 connector

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Safely guiding
your way.