FB TECHNOLOGY

World Leader in Airfield Photometry

PAC Lab II

Workshop Photometry Controller

Have a project, need some advice ?
Contact our team.

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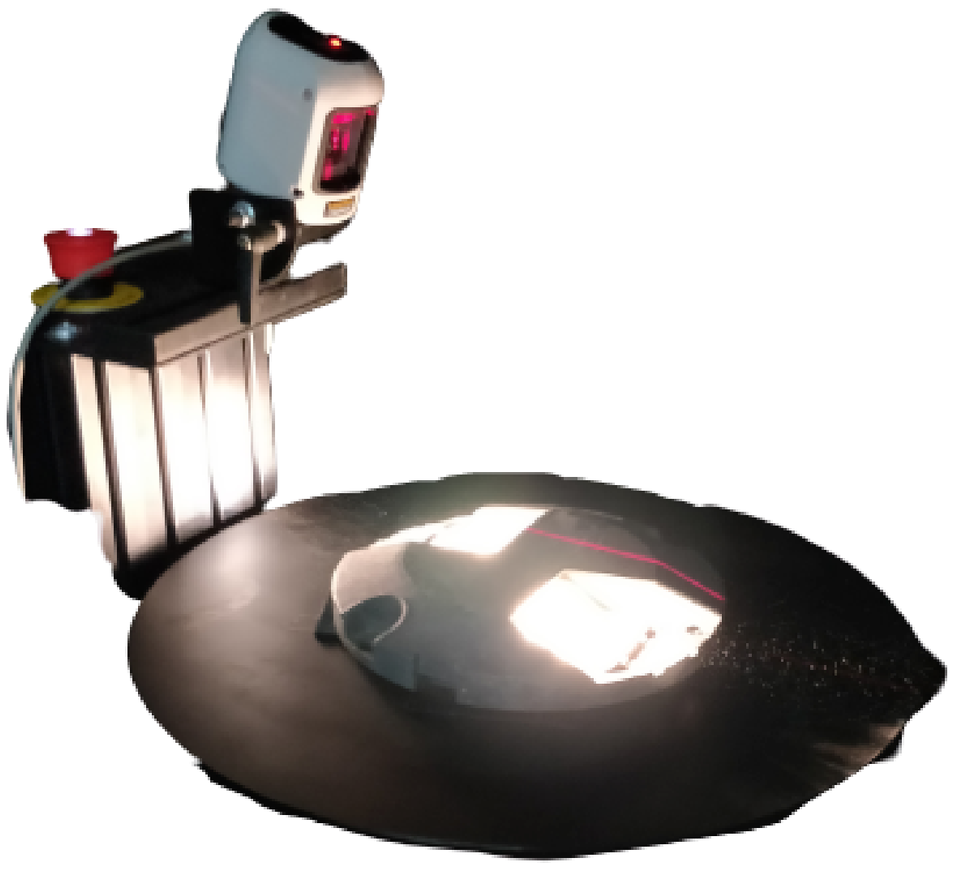
International regulations are very strict

Civil Aviation Authorities have set standards and recommended practices regarding the performance and serviceability of Aeronautical Ground Lighting. The requirements are numerous and precise, testing the photometry of the lights has become essential to ensure safety in all airports.

Introducing to PAC Lab II



Workshop Photometry Controller

Suitable to check the fixtures before the re-installation

PAC Lab II is an associate product of the mobile PAC system.

The PAC Lab II is developed to operate in the workshop of the airport maintenance department.

The PAC Lab II system improves the maintenance work, making it more efficient and accurate by providing the capability to **control the light output of each fitting before installing them on site.**

The system measures and controls all the AGL inset and elevated lights. It is placed preferably inside a dark room or a specific enclosure can be built around the system if it has to be used in an open space.

But, thanks to a specific cache to be installed on the sensors strip, runway or approach light fittings can be measured in a normally lit office room (under development).

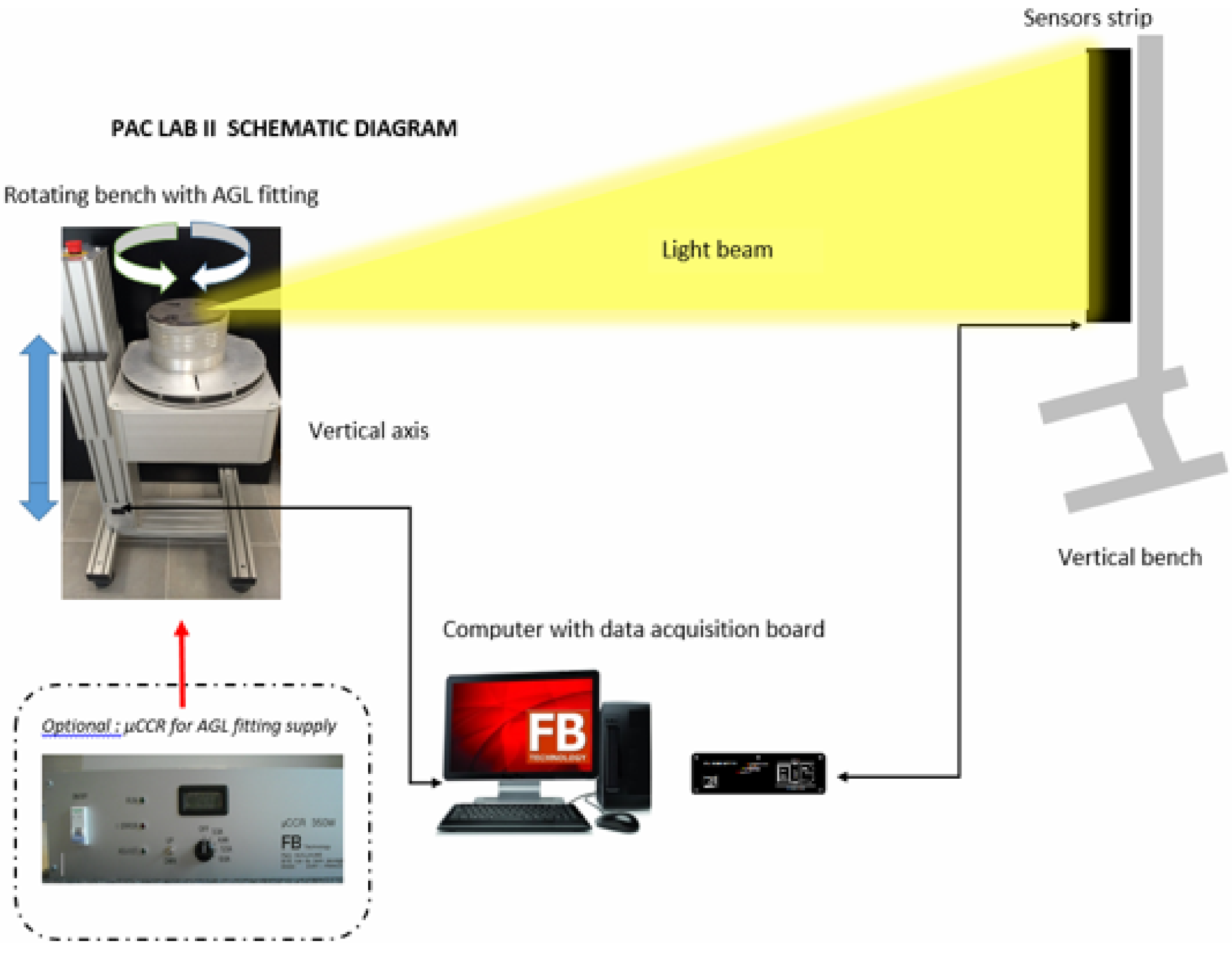
The system uses a computer unit for monitoring the process.

Control and Measure

PAC Lab II allows a precise measurement of all inset and elevated fittings before the installation in the airfield.

The light fittings are positioned on a rotating plate in front of the PAC sensors strip fixed on a vertical bench. Bi-directional fittings are automatically measured both sides.

To facilitate the operator's action, the rotating plate moves upwards and downwards so that fitting positioning remains user-friendly.



Beautiful Features

Measures all light fittings

Beams of bi-directional fittings are measured automatically one after the other

The system is preferably installed in a dark room or a specific enclosure can be provided upon request

Or for runway & approach lights, using a dedicated cache, fittings can be measured in a normally lit office room (under development)

Reliable, Precise and Quick results in candela

Instant report edition

No adjustment prior measurements

Dedicated functions to support AGL maintenance

Users of PAC² V5 system can share the same sensor strip for both in-field and workshop measurements

In option, the AGL fittings (from LED low power lights to 500W halogen fittings can be supplied with the FB Technology µCCR dedicated for workshop use)

Technical Data

- Average Measurement Speed

  10 to 30s per light (light pre-heating & fitting replacement not considered)

- OS Windows 7 to 10

- Integrated Data-base

- Required Space

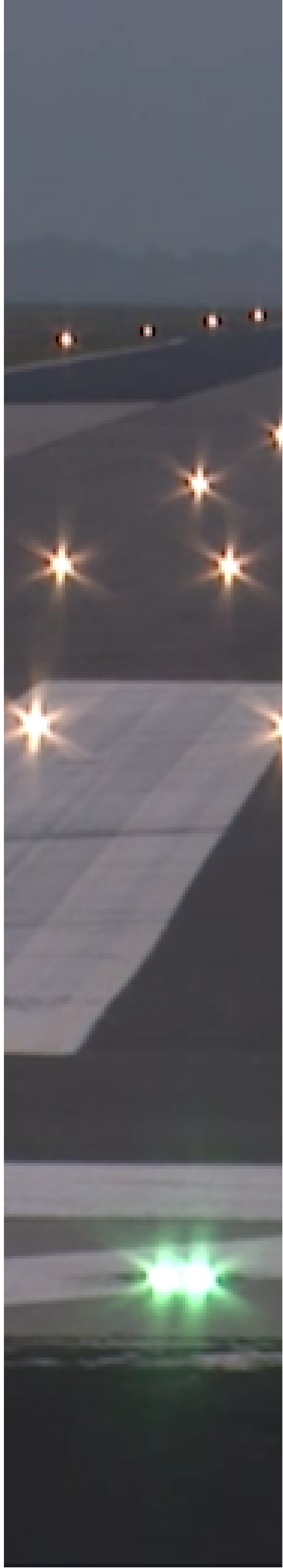
  1.30m x 3.50m x 2m (W x L x H)

- Precision ± 2 %

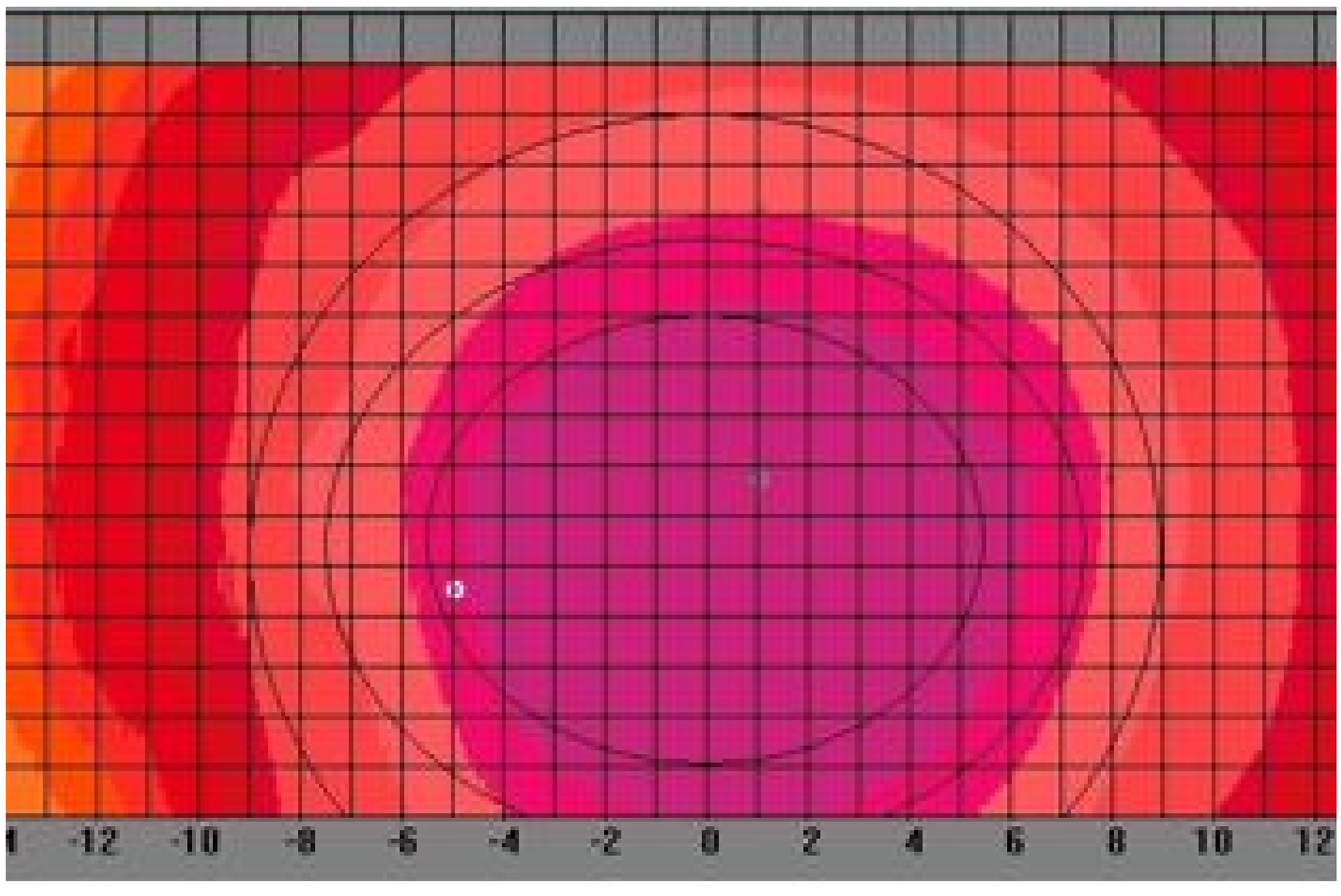
- Temperature Range

  - 30 t + 70 °C

- System Power Supply 110 / 220 Vac



Reports



The system provides the following results:

- Maximum and minimum value in candela found in the light beam
- Average light intensity value in candela
- Position of maximum and minimum points in V° and H°
- Iso-candela diagram of the light beam as per ICAO / FAA standards
- Compliance to ICAO / FAA and to Airport Maintenance levels (Pass or Fail)

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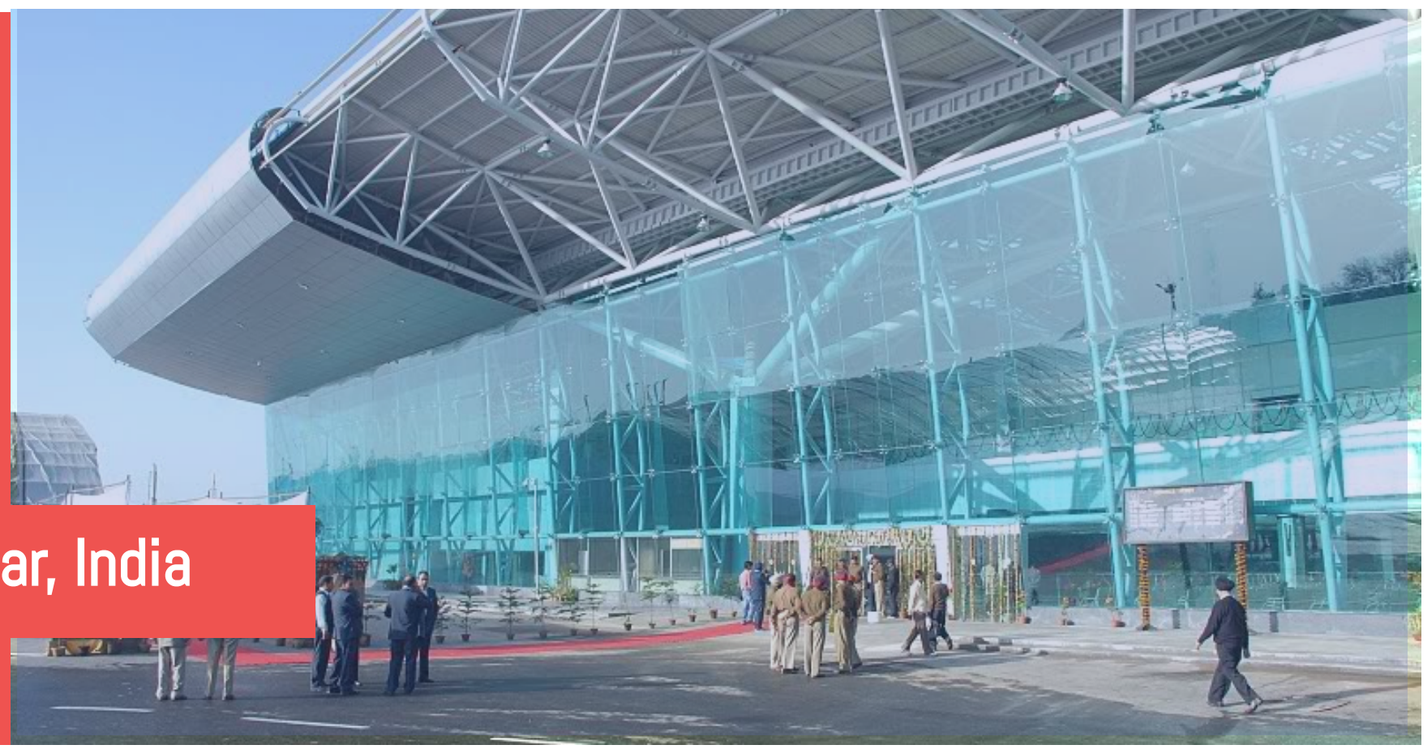
THEY USE OUR PAC LAB !!

Toulouse, France

Singapore, Changi

Switzerland, Geneva



Amritsar, India

Other Products

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Autonomous robot for photometry & maintenance

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PAC π

PAPI lights measurement system

—

PAXIGN

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—

SoDICE

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PAC APRON

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PAC Lab II - Brochure

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