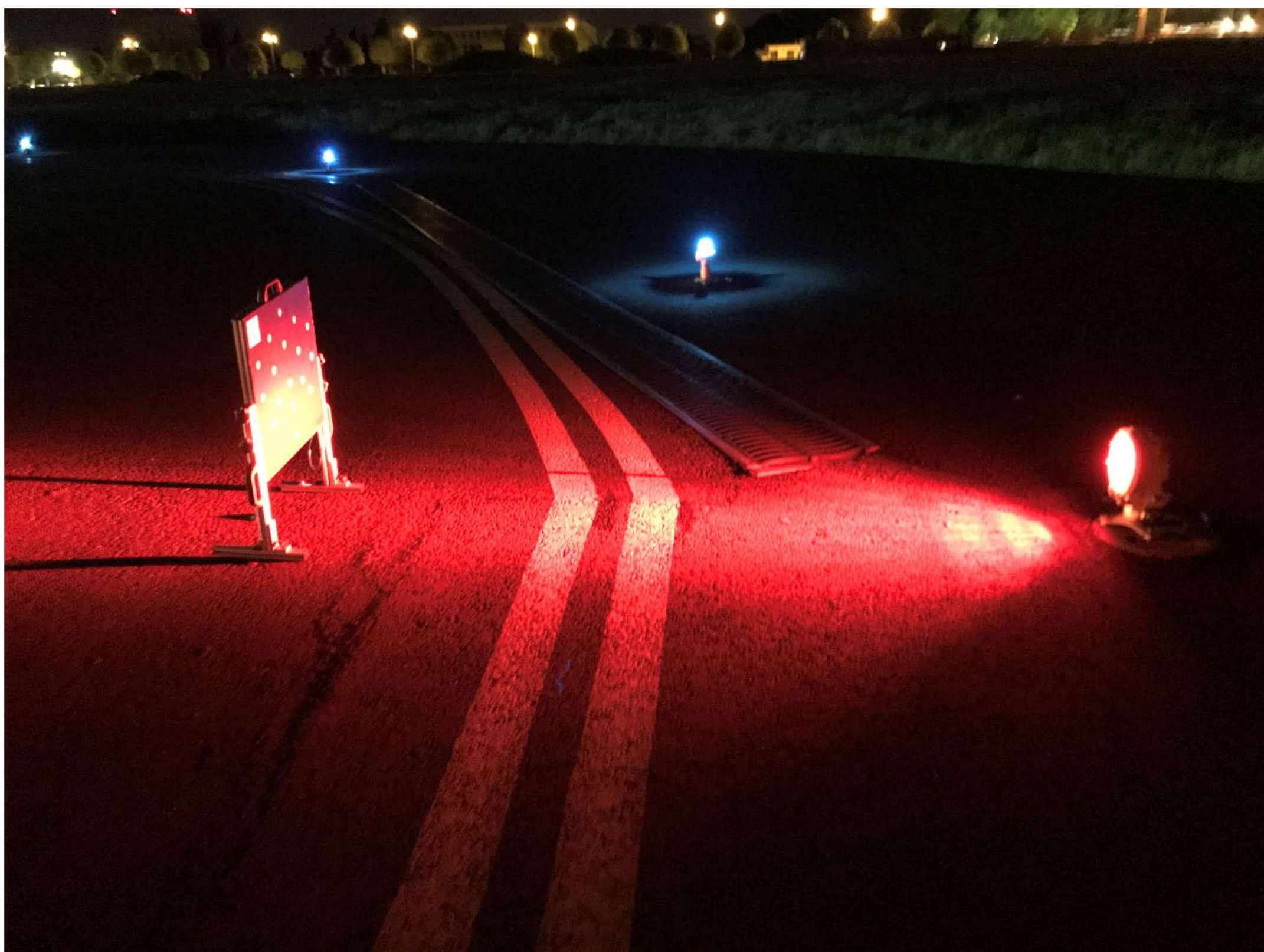


FB TECHNOLOGY

World Leader in Airfield Photometry

PAC Matrix AGL Photometric Tester



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

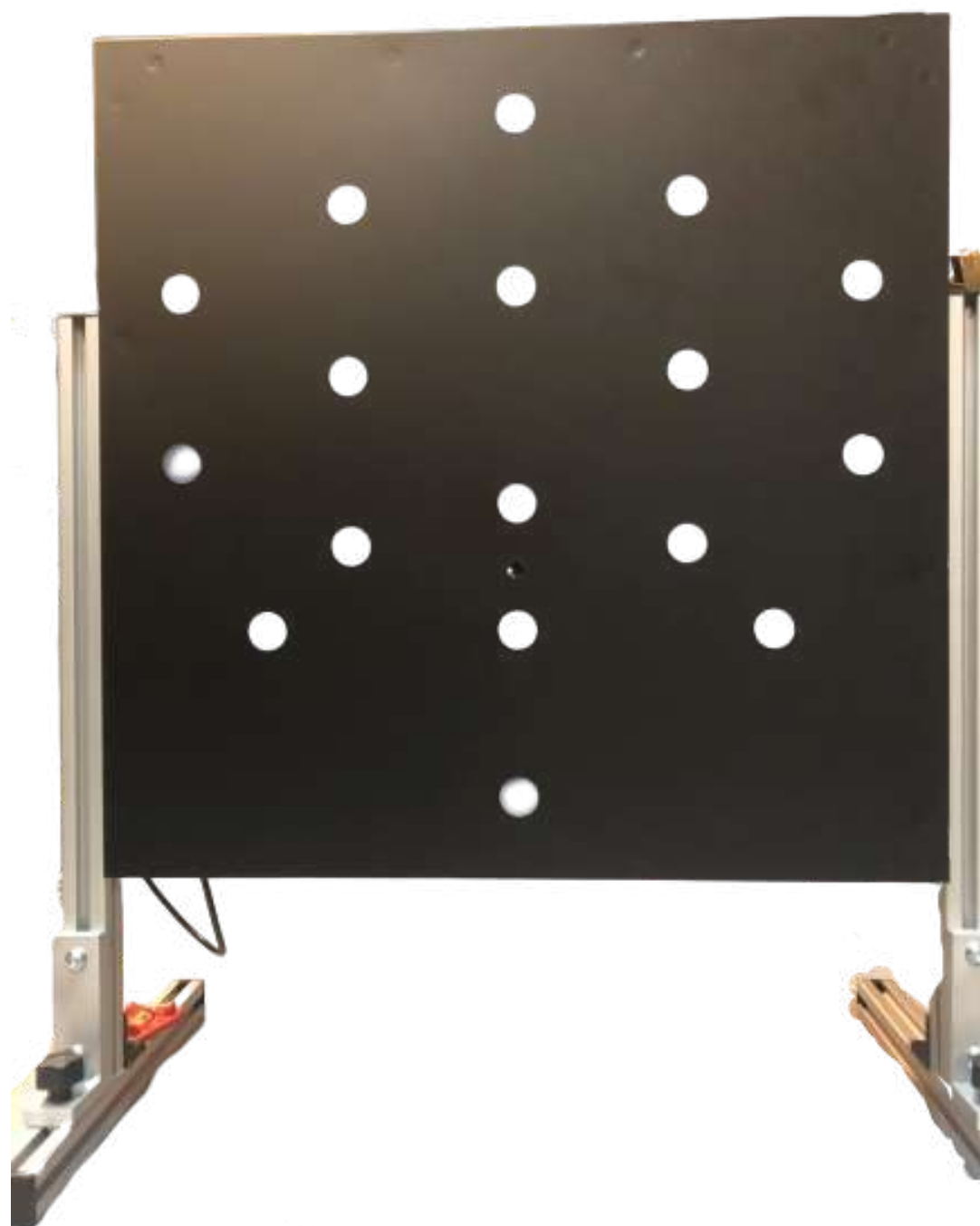
☎ +33 1 69 11 11 11

✉ fbtech@ftechnology.com

REGULATIONS TEND TO STRENGTHEN

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 MATRIX



The PAC Matrix (Matrix of sensors for Photometric Airfield Calibration) is a **portable photometry measurement system that can be used both in workshop and on-site.**

ALL TYPES OF LIGHTS

Inset or elevated lights, including approach

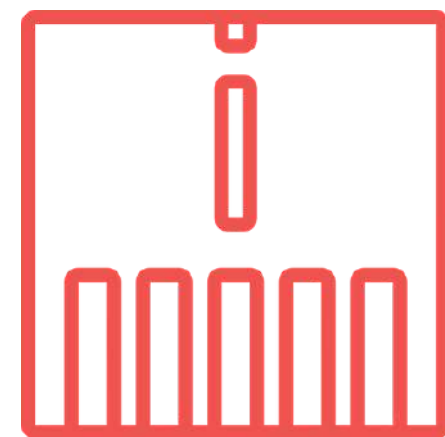


WORKSHOP & AIRFIELD



In workshop, the PAC Matrix provides quick photometry compliance to ICAO by collecting light samples from the fitting beam – up to 17 samples can be taken in the ICAO main beam in order to compute the average value of the fitting.

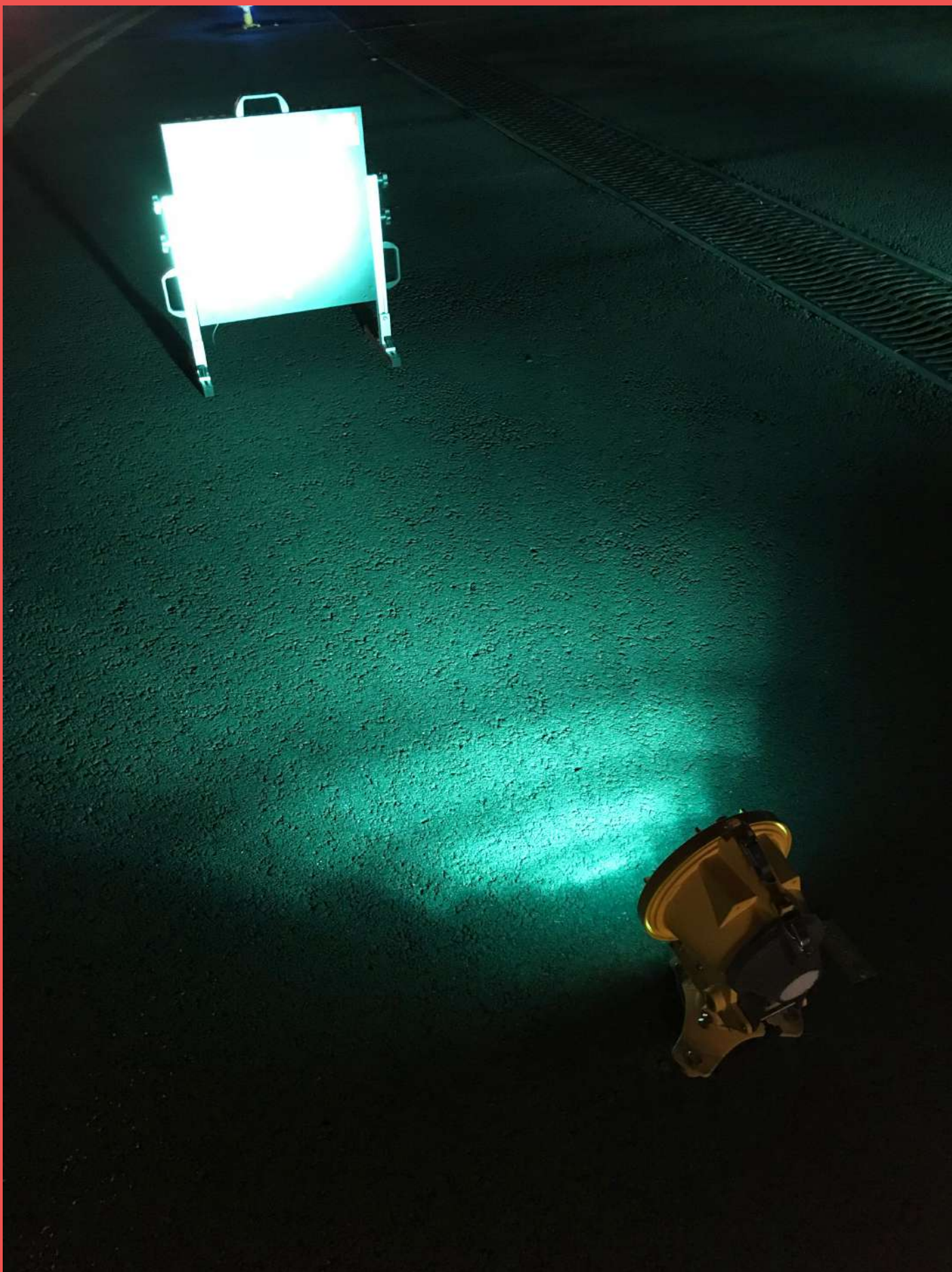
Measurement is carried out in one second per fitting.



On site, the operator carries this **light-weight device** and places it in front of the light beam to be measured: either by positioning it on the ground, and sliding up to the required height or for higher fittings – such as approach lights and high wing-bar lights, by simply carrying the PAC Matrix in front of the beam.

Measurement Process

- Position the PAC Matrix in front of the light beam.
- Select the type of fitting to be measured on the 10.1" tablet (touchscreen)
- Make sure it is horizontal (check bubble levels) & at the adequate distance (see tablet information)
- When ready, press on "Start acquisition" and click on the push-button
- Result is provided instantly with the average value in candela and the status Pass/ Fail.
- If required, the pdf report of the fitting measurement can be displayed immediately.





Measurement Example





Description of the supply

The system PAC Matrix of FB Technology is supplied as follows:

Supplied in a carrying case:

- The frame of seventeen lux sensors
 - A chromatometer with necessary data acquisition, positioning
- A communication equipment
- An integrated rechargeable battery pack (LiPo - autonomy 8 hours)



Subscribe to our
Youtube Channel

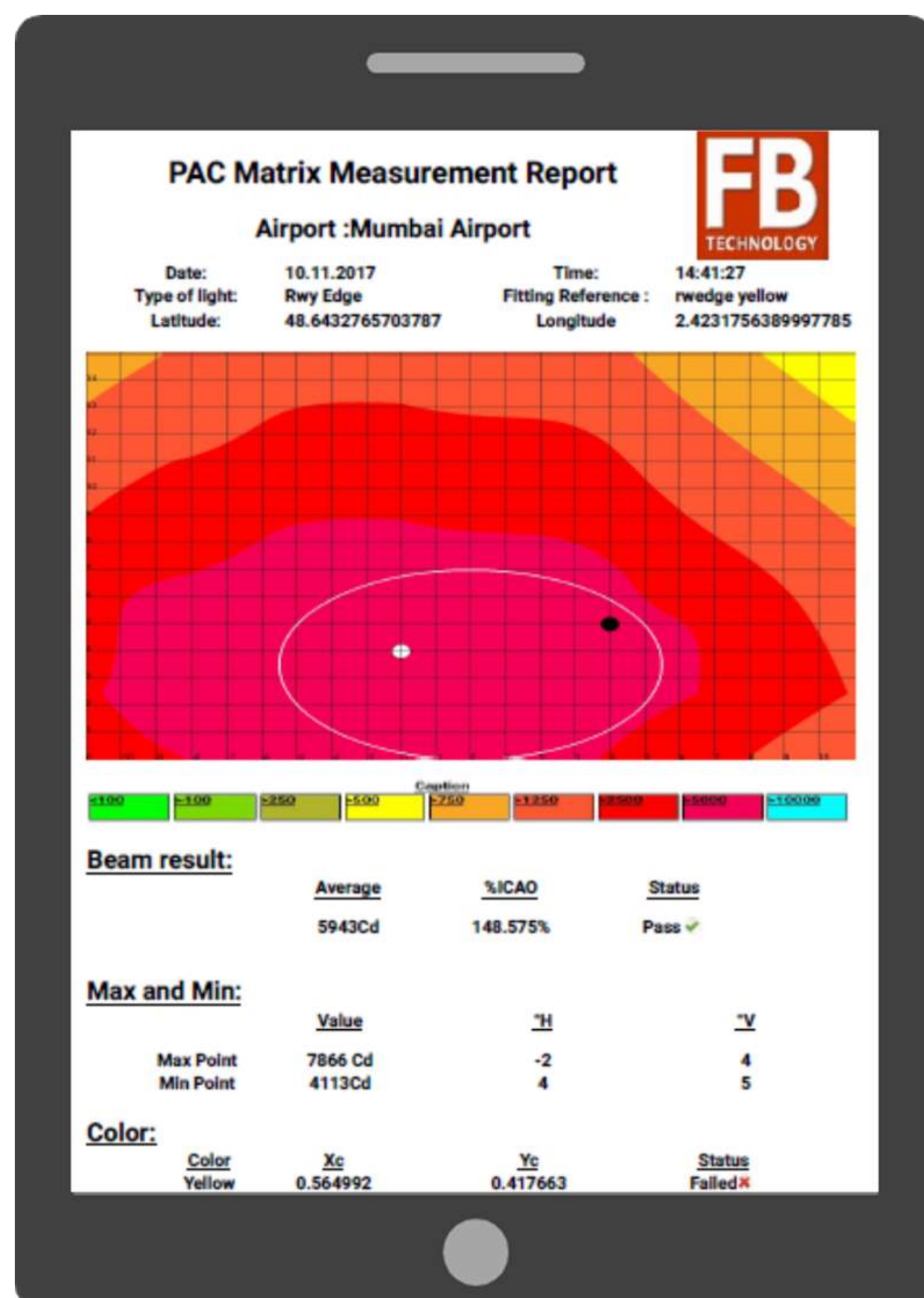




Individual Light Report

The PAC Matrix reports provides the following :

- Name of the airport
- Date and time of measurement
- Type of facility and fitting identification number (if available)
- The GPS co-ordinates as provided by the 10.1" tablet
- The ICAO Average value in candela, the ICAO standard percentage of compliancy and the status Pass/ Fail.
- The chromaticity co-ordinates of the measured beam as per ICAO standard.
- The display of all measured values on the Matrix schematic and in a summary chart.



THE ADVANTAGES



Portable light-weight system



Easy to use
& to manipulate



Immediate
display of results
& reports



Results include
GPS co-ordinates
of the fitting
measured on site



Database system to
manage & record data
used & collected



Data acquisition of values
in less than 1 second

THEY USE OUR PAC MATRIX

Contractor in Spain



Contractor in Morocco



Jaipur Int'l Airport



Delhi Int'l Airport



Other Products



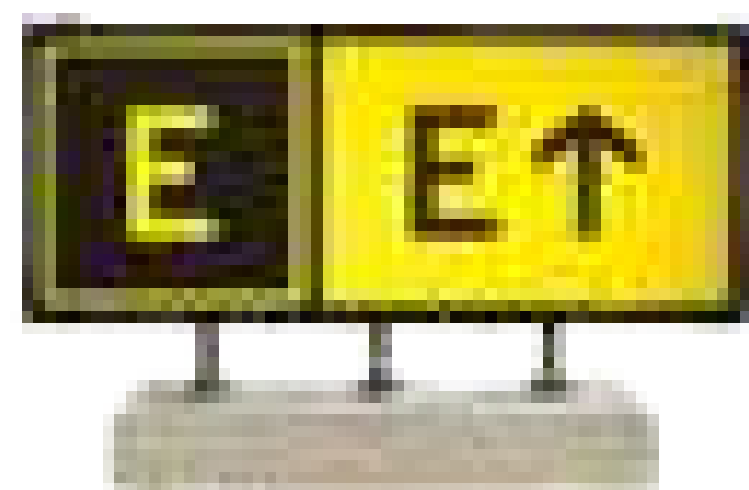
MARC ONE

Autonomous robot for
photometry & maintenance



PAC π

PAPI lights measurement
system



PAXIGN

Chromatic & luminance
signs measurement



SoDICE

Cleaning light equipment



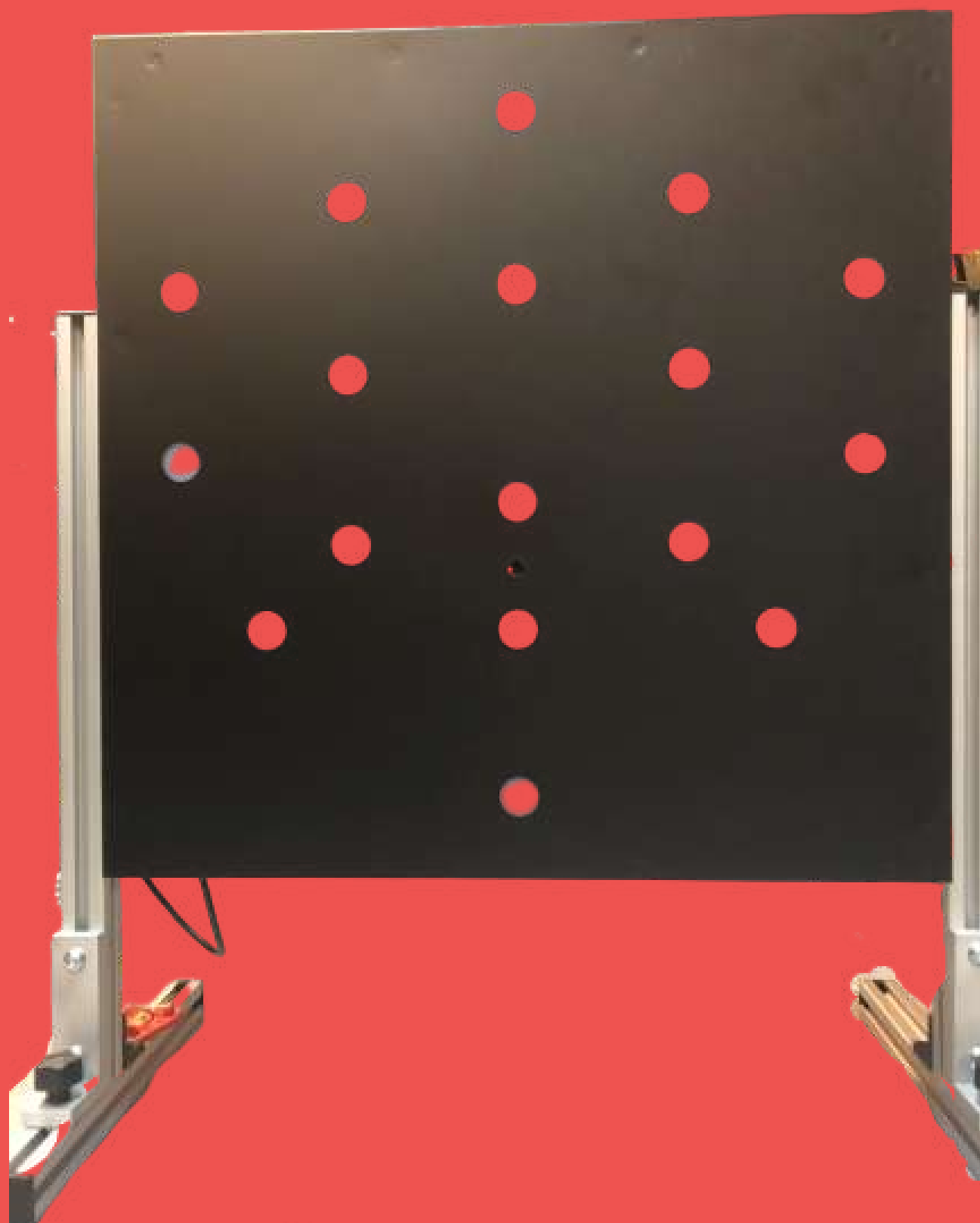
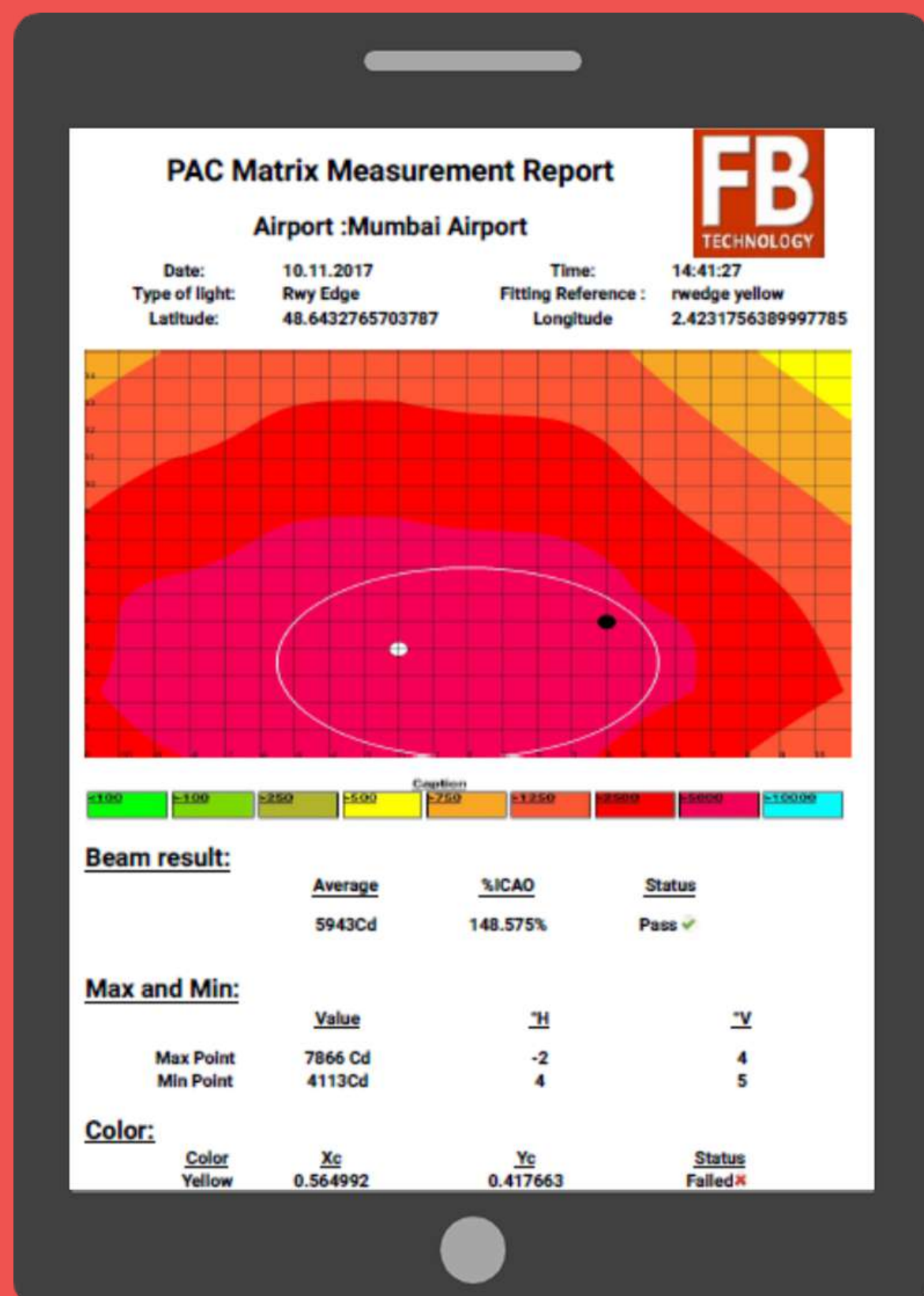
PAC APRON

Measure the lux values of
the apron floodlighting



FB Technology

PAC Matrix - Brochure



Contact

Phone: +33 1 69 11 11 11

Email: fbtech@fbtechnology.com

Web: www.fbtechnology.com



Subscribe to our Newsletter