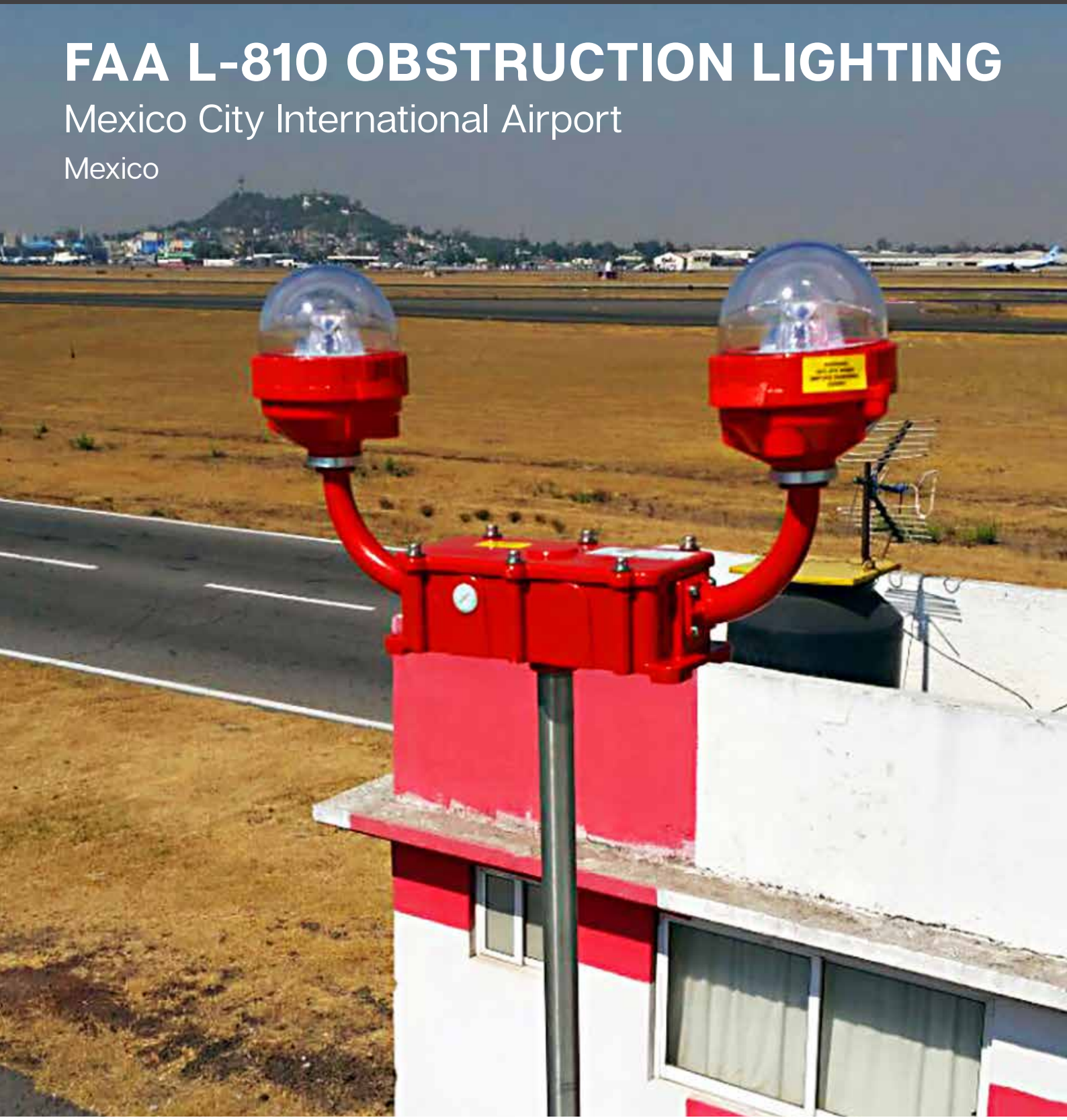
Case Study

FAA L-810 OBSTRUCTION LIGHTING

Mexico City International Airport

Mexico



Avlite®
www.avlite.com

Avlite Systems is an international designer & manufacturer of complete aviation lighting systems; airfield, heli & obstruction

We believe technology improves navigation™

Project Overview

Application:
Perimeter Marking Upgrade to Airport Lighting Towers

Product:
200 x FAA Dual L-810 Obstruction Lights with DGAC Certification

Location:
Mexico City

Date:
April 2017

FAA L-810
Obstruction Lighting

Background

Mexico's flagship commercial airport, the International Airport of Mexico City, had inefficient, unreliable obstruction lighting on area light poles in and around the perimeter of the airport. In keeping with their vision of "tackling challenges...with efficiency," the airport had to replace the outdated lighting to insure the safety of the 100,000 daily airport users and aircraft.

The Challenge

The new obstruction lighting had to be installed alongside the pre-existing lights so safety would be seamlessly maintained for all aircraft and their passengers. The new lights also had to be easy to install for the airports' electricians as the available timeframe for replacement was extremely limited.

Several commercial lighting manufacturers were evaluated for cost, performance, ease of installation and reliability. Avlite's single and dual FAA L-810 Obstruction Lights were chosen due to their outstanding track record of performance.

Solution

Two hundred DGAC certified FAA L-810 low intensity lights were installed in both single and double light head configurations. The energy efficient LED lights have an integrated photocell allowing for a quicker and easier installation than alternative manufacturers. Minimal power consumption yields a highly efficient lighting solution for Mexico City's International Airport, which serves 10+ cargo carriers, and transports 41 million passengers on 30 domestic and international airlines annually.

The rugged, UV stabilized polycarbonate lenses of the FAA L-810 lights maximize the clarity, intensity and uniformity of the highly efficient LED fixtures. The lights compact design and small form factor provide minimal wind resistance. The design is ideal for airport locations with the potential for severe weather such as AICM (Groupo Aeroportuario de la Ciudad de México). Other ideal applications include wind turbines, telecommunications towers, buildings and other tall structures.

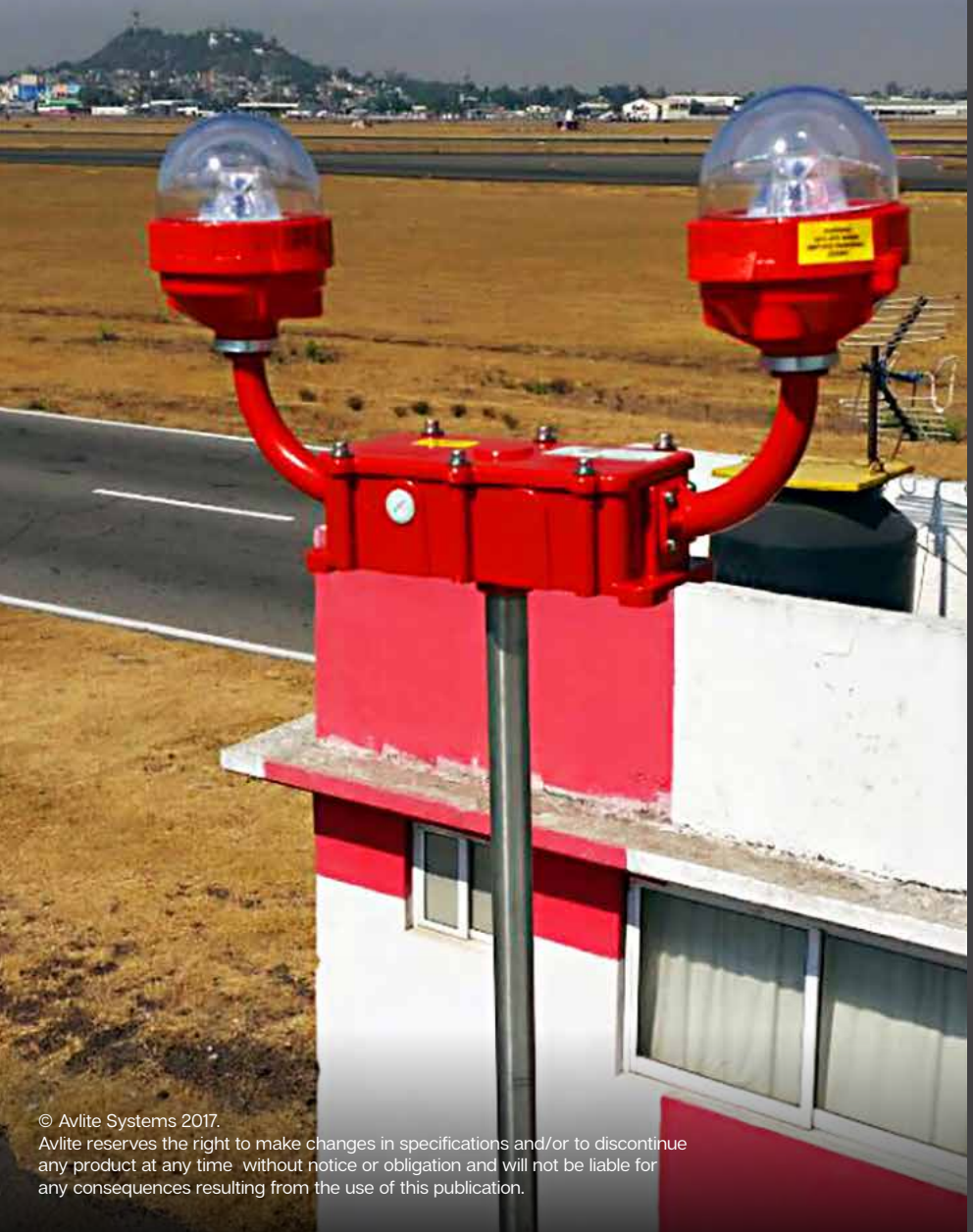
Additionally, the lights' internal diagnostics feature an alarm which is automatically energized should a power or LED fault occur, alerting maintenance crews to the need for immediate attention.

Customer Quote

“We selected these lights for more reliable operation and easier maintenance. Their low energy consumption makes them extremely efficient. Avlite’s L-810 Obstruction Lighting is a solid value for money product.”

JEFE ELÉCTRICO

Mantenimiento del Aeropuerto
Internavional Benito Juárez
AICM



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