# Taller de Ayudas Visuales para La Aero Navegacion, Nuevas Tecnologias

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**Solutions** LED Operational Curve

#### Building Partnerships for the Future



## **Evolution of LEDs on Airfields**

#### Intensity



### In-pavement RGL

- Even-numbered lights are on simultaneously. As they extinguish, the odd-numbered lights pulse simultaneously.
- Each fixture pulses at the rate of 30-32 flashes per minute
- Power is applied alternately to each set of fixtures for 50%,  $\pm$  0.5% of the total cycle



#### **Solutions** In-pavement Runway Guard Light LEDs

#### Building Partnerships for the Future

#### **Runway In-pavement RGL Fixtures**

- ETL Certified and ICAO compliant
- Style 3, (<0.25 in.)
- 12"
- Can be used to replace all lights within a continuous Runway Guard Light (RGL) bar
- Reduced energy consumption and on going maintenance re-lamping costs
- Eliminates color shift which occurs with Tungsten-Halogen lamps in lower CCR steps





L-852G LED Test Installation at Atlanta- June 2008



## DC PWM Series Circuit LED Power System



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## System Energy Use Comparison

 Based on average energy use for 100 elevated taxiway edge fixtures





# **STANDARD PRODUCT LINE**





Solar Aviation Taxiway & Obstruction Light (SATO)

Solar Aviation Wireless Light (SAWL)

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# Preguntas