



## Case Study: Providenciales airport



Turks and Caicos Islands Airports Authority (TCIAA) successfully retrofitted all their lights of Providenciales International Airport to LED lights and achieved this way substantial electricity cost savings. On the occasion of the airport expansion, Providenciales has taken the decision to become the first major airport to upgrade its indoor and outdoor lighting to LED technology:

- Terminals (Domestic/International, Check-In, Arrivals, Departures, Security, Customs, Immigration, Lounges, Retail, Baggage)
- Car Park and Streets, Fire Brigade, Tower
- Apron

The project lasted over 6 months and with the exception of the taxiway and runway lights all lights were retrofitted to LED including the implementation of sensors and dimmers wherever possible as well as several luminaries that were specifically designed for the airport. The project was carefully planned to ensure a smooth implementation but also ensure the correct brightness (for example the brightness had to be doubled in the Customs area).

The new installation consumes less than 72% the power of the previous solution.

John T Smith, CEO and president of TCIAA, said, "It is our ambition to become one of the most sustainable airports in the Caribbean. The implementation of LED lights is a key component of this objective. We set a new standard in the western world and are proud of it."



Tubes & Panels	Outdoor	Down-lights
		
<ul style="list-style-type: none"> <li>- simple retrofit</li> <li>- superior heat sink design</li> <li>- base can be rotated</li> <li>- option: emergency</li> <li>- option: motion sensor</li> </ul>	<ul style="list-style-type: none"> <li>- Beautiful design</li> <li>- recessed or surface mounted</li> <li>- low maintenance</li> <li>- high quality lens</li> <li>- crisp, clean white light similar to natural sunlight</li> </ul>	<ul style="list-style-type: none"> <li>- perfect to replace G24 bulbs</li> <li>- warm and cool white colors</li> <li>- low maintenance</li> <li>- integration to different areas for perfect illumination</li> </ul>