

CASE STUDY

SOLAR RUNWAY LIGHTING

Airfield Lighting Solutions

North Hampton, New Hampshire, United States



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

We believe technology improves navigation™

Project Overview

Application:

Pilot Activated Solar runway lighting for public use/privately owned airfield

Product:

AV-70, PALC (Pilot Activated Lighting Control)

Location:

United States of America

Site:

North Hampton, New Hampshire

Date:

Spring 2015



Avlite's Solar Runway Lighting System Part of New Hampshire (USA) Airfield Reconstruction Project

Avlite supplied AV-70 solar runway lighting with PALC (pilot activated lighting control) to Hampton Airfield in North Hampton, NH, USA.



As part of a reconstruction project for the privately owned, public use airport, the AV-70 runway lighting system was installed to replace existing, unreliable lighting.

Avlite's self-contained solar runway lighting was easy to install since no wiring or conduit trenching was necessary; total installation time was less than two hours.

The airport owner opted for a flexible installation. The solar lighting was installed on 11 lb tiles allowing for easy repositioning during site maintenance such as snow plowing and lawn mowing.

Benefits

- Automatic Pilot activation - no standby personnel required
- Solar LED lighting best value for money at 1/3 of the cost of traditional lighting system
- > 40% cost saving using Avlite's rubber mounting tiles versus concrete pads
- Robust, long-lasting, low maintenance fixtures

“ The flexibility of easily relocating the lights helped us to optimize the runway sight picture and safety boundaries for arriving aircraft.

– Bart Bartelsman, Assistant Manager, Hampton Airfield