

# CASE STUDY

## HELIPAD FLOOD LIGHTS

Heliport Lighting Solutions

*Frankston Hospital, Australia*



**Avlite**<sup>®</sup>  
[www.avlite.com](http://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:

Helipad lighting for emergency patient transfer

## Product:

Universal Helipad Flood Lights with 240-12V power converter

## Location:

Frankston, VIC Australia

## Site:

Frankston Hospital

## Owners:

Peninsula Health

## Date:

January 2013



## Helipad Flood Lights illuminate hospital's new roof-top helipad

Located in Victoria, Australia, Frankston Hospital's new roof-top helipad has recently been completed with the installation of Avlite's low-profile helipad flood lights.

Helipad flood lighting was required to complement the existing mains-powered green perimeter lighting to enhance the safe and efficient transfer of critical and emergency patients by Air Ambulance at night time or in low visibility conditions.

Positioned on top of the hospital's recently completed multi-story car park, the helipad lighting system needed to be operated by either the helicopter pilot via a two-way radio (PALC system) or by hospital staff on-site via a relay switch.

Avlite worked closely with Canberra-based consultants PSNK Aeronautical Services – to supply

12 of Avlite's universal helipad flood light fixtures with a 240-12V power converter to fulfil the hospital's project specifications for a fully integrated mains-powered 27m x 27m square-shaped Helipad Landing Site (HLS).

"As a consultant, engaging directly with the manufacturer allows us to understand first-hand how their products are designed and developed. Our visit to Avlite's facility in Melbourne confirmed that procurement of their fit-for-purpose flood light fixture would be straightforward," said Mr Peter Simpson - Director of PSNK Aeronautical Services.

## Benefits

- Easily operated by pilots and on-site medical staff
- Excellent, bright light spread across helideck without dazzling pilots due to neat tilt-feature of luminaire
- Cost effective and efficient - LEDs have a long life of up to 100,000 hours
- Integrate easily with pre-existing lighting and PALC system
- Long life expectancy and practically maintenance free
- Low cost of ownership over the lifetime of the fixture

“ The flood lights exceeded the site's specifications and general feedback from the client has been positive.

– Peter Simpson, Director  
PSNK Aeronautical Services  
Canberra, Australia



“The flood light demonstration illustrated the very neat tilt-adjustment feature that allows fine-tuning of the luminaire to provide the best light-spread across the heli deck without dazzling pilots upon approach,” he added. “Since the luminaire is LED driven – with a life of up to 100,000 hours – our client will never need to worry about changing a light globe, ensuring this reliable, low-maintenance fixture has a low cost of ownership over its lifetime,” Mr Simpson said.

All Avlite Systems products are manufactured to exacting standards under strict quality control procedures. Avlite's commitment to research and development, investing in modern equipment and advanced manufacturing procedures has made us an industry leader in solar aviation lighting.

By choosing Avlite Systems you can rest assured you have chosen the very best.

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