



DESIGN

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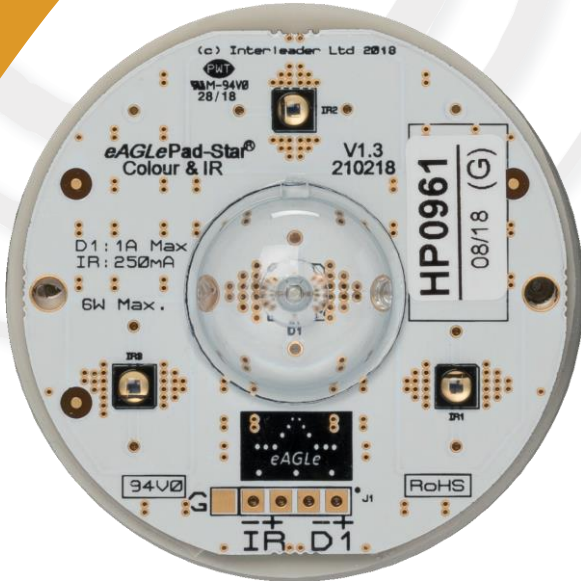
LEAD



**FEC Heliports** Equipment

# PAD-Star®

ICAO FAA Compliant Wired Helipad  
Low Voltage Solar or Mains Powered  
Lighting System



PAD-Star © Solar Plus Addenbrookes Hospital, Cambridge, UK.

**CONTACT US**

1 Mead Business Centre, 176-178 Berkhamstead Road, Chesham, Buckinghamshire, HP5 3EE, United Kingdom.  
 Tel: +44(0)1494775226 | Fax: +44(0)1494 775227 | Email: sales@heliportsequipment.com  
 www.heliportsequipment.com

PAD-Star® provides a low voltage ICAO FAA compliant solar or mains powered wired LED helipad lighting system.

# PAD-Star®

## Intelligent Low Voltage Wired LED Helipad Lighting System.

FEC Pad-Star® Lighting Controller (PLC) is an all new, fully digital design that combines ease of installation and use with sophisticated yet simple and secure configuration via the IP65 rated keypad and LCD display.

**Very Low Power Consumption:** Approx. 3W (idle) and less than 30W max.

**Low Voltage:** Operating from 110-240V AC 50-60Hz or 12V -24V DC it is ideal for solar and battery power supply.

**Intelligent Power Supply :** PAD-Star® can be powered mains, solar array or wind turbine. Or it can take any combination of these power supplies, automatically switching between them.

**Variable Light Intensity:** ICAO plus additional light levels for both visible and infra-red (IR) NVG LEDs: 1%, 3%, 10%, 20%, 30%, 50%, 75% & 100%.

**Smart Installation:** Setup, control and monitoring - communication over the data cable to intelligent light drivers.

**Ease of Installation:** Simple cabling - two core cable to each light.

**Pilot Lighting Control:** Available with a VHF air band receiver. Air-to-Ground Remote Control from the Aircraft at over 10km (Line of Sight). Pilots can switch channels to vary the lights' intensity.

**Wireless Enabled:** PAD-Star® lighting controller allows the lights to all be configured, tested, monitored and operated wirelessly from a PC via the USB-UHF Telit dongle.

**System Monitoring:** From a pc via the USB-UHF Telit dongle the entire installation can be tested automatically, a test report prepared and the results emailed and archived for quicker, more accurate audit and compliance.

PAD-Star® lights are available in our new Anodised flush, ground and pole mounted fittings.

**Anodising** is an electromagnetic process that converts the metal surface of aluminium into a highly durable outer coating.

**Resists** fading and daily wear and tear and is easily maintained with soap and water whilst being resistant to harsh chemicals.