**Purchase Specifications for a
Universal DC Helipad Floodlight**

**Overview**

This specification is for a universal DC LED helipad floodlight.

The floodlight shall have a lens designed specifically for heliports to provide even surface illumination.

The floodlight shall have an optic hood to prevent potential glare to pilots upon approach.

No part of the floodlight shall be taller than 250mm (9¾ inches).

The angle of tilt of the luminaire shall be able to be adjusted to maximise surface illumination.

The lights shall be delivered ready to install. The only assembly required will be activation of each individual light and optional mounting accessories.

**1.0 Light Characteristics**

The light shall use eight (8) visible LEDs.

The light output shall be available in white with other colours available on request.

**2.0 Electrical Characteristics**

The light shall have integrated circuit protection.

The light shall have an operating voltage of 10-30V.

The light shall have a current draw of 1.7A at 12V.

The light shall have an operating temperature range between -40 to 80°C.

**3.0 Physical Characteristics**

The body of the light shall be manufactured from 7-stage powder coated aluminium.

The body of the light shall be aviation yellow in colour.

The light lens shall be manufactured from UV-stabilised LEXAN® polycarbonate.

The luminaire housing shall have a frangible mount.

The light shall have a height of 250mm (9¾ inches). No part of the floodlight shall be taller than 250mm (9¾ inches).

The luminaire housing shall have a length of 406mm (16 inches).

The luminaire housing shall have a width of 230mm (9 inches).

The light shall have a mass of 5kg (11lbs).

**4.0 Options**

The light shall be offered with the following options available from the manufacturer:

* 110-240VAC operation via step-down transformer

**5.0 Environmental Factors**

The light shall meet the following environmental factors:

Humidity: 0 to 100%, MIL-STD-810F

Icing: 22kg per square inch

Wind Speed: up to 160kph

**6.0 Certifications**

The light shall meet CE EN61000-6-3:1997. EN61000-6-1:1997

The manufacturer shall be ISO9001:2008 certified.

The light shall be IP68 waterproof.

**7.0 Warranty**

The light shall have a three (3) year warranty.