**PURCHASE SPECIFICATIONS FOR AN ILLUMINATED GUIDANCE TAXIWAY SIGN**

 **MODEL: S4GA ILLUMINATED LED GUIDANCE TAXIWAY SIGN**

##### General Overview

S4GA Illuminated LED Guidance Taxiway Sign is designed to suit each individual airfield requirements.

**Description**

Illuminated Guidance Taxiway Sign shall comply with following requirements:

* Shall be internally illuminated with use of LED lighting for low power consumption and economic operation,
* Shall be fully dimmable from 2.8 to 6.6 Amps; or from 110 to 240 VAC),
* Internal lighting shall be uniform,
* Shall have fail safe interleaving feature as an option,
* Redundancy shall maintain the sign visibility in the event of a LED failure,
* Maintenance shall be minimal and tool-less,
* Life Expectancy shall be of 60,000+ hours or better,
* Shall be supplied fully assembled.

**Enclosure**

In order to ensure a long lifespan for the internally Illuminated Taxiway Guidance Sign, the cabinet must meet the following requirements:

* Shall be robust, made of powder coated aluminium extrusion, using stainless steel fixings throughout,
* Shall be sealed using gasket from the glazing industry to ensure a weather tight enclosure,
* Shall have hinged front face for ease of maintenance,
* Shall be equipped with frangible legs,
* Shall be resistant to temperature in range of -20°C to + 55°C.

**Power**

The Illuminated Taxiway Guidance Signs shall be capable to be powered by three alternative methods:

* Via solar panel,
* Via electrical cable (110-230 VAC / 24VDC / 6.6 Amp),
* Via back-up charging station,

**Compliance**

The Illuminated Guidance Taxiway Signs shall meet the following standards:

* ICAO Annex 14-Vol. 1 Para 5.4 & Appendix 4, July 2004 and associated Aerodrome Design Manuals,
* UK CAP 168, May 2006,
* CE Approved.