Suggested Specification: TLP

The taxiway center line, low protrusion inset lights shall comply with ICAO Annex 14, para. 5.3. and FAA's AC 150/5345-46 (current edition) except for the photometrics as per L852-B and D.

The filters shall be dichroic. The chromaticity shall be guaranteed for the 5 points of the primary beam as specified in ICAO ANNEX14 appendix I para. 2.2.4.

The lights shall be suitable for use under Category I, II and III conditions. The projection above ground level shall not exceed 6.35 mm and the downward slope in front of the prism shall be less than 2 mm. Bi-directional 1-lamp and 2-lamp lighting fixtures, alternately switchable or not, shall use the same cover.

Water tightness of the light fitting shall be ensured by means of a double water barrier.

All components shall be corrosion proof without using environment-aggressive metal protective coatings. The lights shall resist all stresses imposed by impact, rollover and static loads of present day aircraft without damage to the light or aircraft or vehicle tires.

The optical design shall be such that the uniformity ratio between 1-lamp and 2-lamp fittings, used for the same application on the same taxiway area, never exceeds a factor 3.

The lamp(s) shall be cold mirror pre-focused halogen of max. 40 W with an expected life of not less than 1500 hours at full intensity.

The prisms shall be user-replaceable without need to apply sealing compound.

No optical adjustment shall be required after replacement of lamps, filters or prisms.

The optical unit shall suit for mounting on a 8″ dia. base or on larger diameter bases by means of adaptor rings.