Suggested Specification: FTS/FTC

The taxiway centerline, stop bar and intersection inset lights shall comply with FAA L-852 specification (AC 150/5345-46 current edition). Their performance shall meet all requirements of ICAO Annex 14, Vol. I, para. 5.3. The lights shall be suitable for use under Category I, II and III conditions, when fitted with the proper lamp.

The latter, rated 45, 65 or 100 W, shall be a pre-focus halogen lamp with an expected life of not less than 1000 hrs at full intensity. The prism shall be user-replaceable without need to apply sealing compound. The use of dichroic filters shall not be permitted in order to avoid color shifting. The projection above ground level shall not exceed 10 mm. The absence of a negative slope in front of the lens shall guarantee an optimal light output even in the worst weather conditions. The top part of the lights shall be made from aluminum alloy.

Watertightness shall be ensured by means of two seals. Grommets shall be used for the entry of the wires inside the inner cover to allow for easy replacement of accidentally damaged wires. 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 unit shall suit for mounting on a 8″ dia. base or on larger diameter bases by means of adaptor rings. The lights shall use as far as possible the same components as those of the runway centerline and touchdown zone lights of the same family to reduce the quantity of spare parts.