Suggested Specification: INL-HSE

* The INL-HSE shall answer to ICAO requirements for a better visual guidance adaptation for pilots during transit between the high intensity lights area of the runway and the medium intensity lights area of the taxiways. The INL-HSE shall be designed to provide high intensity lighting for runway high speed exit (800 cd).
* The runway high speed exit inset light INL-HSE shall be bi- or unidirectional high intensity complying with ICAO recommendations in Annex 14, Volume I, paragraph 5.3.16, with FAA L-852 standards, and STANAG 3316 standards, CAP168 and British Standards BS 3224.
* It shall be fitted with one or two 6.6 Amps halogen pre-focused dichroic reflector lamps not exceeding 45 Watts. Lamp life shall be at full intensity greater than 1,500 hours for 45 W.
* For bi-directional fittings the design shall allow separate lighting in both approach direction.
* All external parts shall be made of anodized tempered aluminum alloy casting. All fixings and fastenings shall be stainless steel.
* It shall have a maximum outer diameter of 203 mm (8″) and its projection shall not exceed 12.7 mm (1/2″).
* It must be able to be installed directly on an 8″ shallow base, or by means of an adapter on an FAA L-868B deep base or a seating ring.
* It will be designed to allow for easy maintenance:
  + The prisms shall not be sealed.
  + The filters shall be dichroic.
  + The fittings in this model range share many of the same components.
  + No internal adjustment shall be needed.
  + The weight of the fitting shall be less than 2.8 kg.