Suggested Specification: HIRL

The Runway Edge Light shall be high intensity, elevated, in full compliance with Transport Canada Specifications K311 and TP 312 and meet the requirements of FAA L-862 specification (AC 150/5345-46B) and with ICAO Annex 14, Vol. I, para. 5.3.9. for use in Category I, II and III systems.

The pre-focus halogen lamp shall be 150 W, 6.6 A, rated life of not less than 1500 hours at full intensity and approx. 4000 – 6000 hours in actual service. The lamp shall be retained by a fool proof positioning device and should not require the use of any type of lamp socket. Lamp changes will be accomplished without the use of hand tools and without disassembly of the optical lenses.

Overall height of the light when installed, shall not exceed 350 mm and its total weight shall be 4 kg or less. The light shall consist of heavy-duty aluminum alloy castings for the body components, heat resistant glass optical parts and plain stainless hardware. Gaskets and electrical wiring shall be high temperature resistant.

The light shall be suitable for direct installation on any standard 2” breakable coupling. The light shall resist jet blast from the heaviest present day aircraft and shall be frangible in case of impact.

The optical system shall consist of a double lens. Its outer component shall have an externally smooth surface to prevent accumulation of dirt. The inner lens shall be in one or two halves, through-colored when required.