Suggested Specification: FRC

The Runway Centerline, High Intensity, Inset Light shall comply with FAA L-850 A specification, AC 150/5345-46 (current edition) and with ICAO Annex 14, Volume I, para. 5.3. for use as runway centerline light in Category I, II and III.

Two lamps rated 48 W max. shall be used. The expected life of the lamps shall not be less than 1500 hours at full intensity.

Each optical system shall consist of a cold mirror prefocus halogen lamp, a prism, and a separate color filter where applicable per light beam.

The prisms shall be user-replaceable without need to apply sealing compound. The projection above ground level shall not exceed 12.7 mm (1/2 inch).

The top part of the light shall be made from aluminum alloy. Water tightness shall be ensured by means of 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 protective coatings. The light shall resist all stresses imposed by impact, rollover and static loads of present day aircraft without damage to the light or to aircraft or vehicle tires.

The light shall suit for mounting on a 8” dia. base or on larger diameter bases by means of adaptor rings. The light shall use as far as possible the same components as those of the runway touchdown zone and taxiway centerline lights to reduce the quantity of spare parts.