



ILUMINAR Infra-Red and White Light Products A&E Specification

- The illuminator must be a solid state LED device utilising SMT (Surface Mount Technology) providing at least 10 years illumination life.
- The IR LED illuminator must be available in several illumination angles including 10, 30, 60, 100x50 and 120 Degrees.
- The LED illuminator shall be low voltage (12-32Vdc and 24Vac) and low power consumption providing energy efficient lighting.
- The illuminator housing should be made of high quality anodized aluminium.
- The illuminators front lens cover should be constructed from high transmittance polycarbonate.
- The housing should include a pressure equalization vent, to prevent thermal expansion and pressure cycling.
- The LED illumination system must carry a 5 year warranty.
- The IR LED illuminators should be available in different wavelengths including 850nm and 940nm.
- The white light illuminators should be available as standard with ultra white LEDs (6500 K) and have a warm white (4800 K) option.
- The illuminator must include internal power and control circuitry. Including a power adjust facility, an integrated photocell for automatic day/night switching, photocell following contact and a volt free telemetry input.
- Connection for the photocell following contact and telemetry input should be via a high quality IP67 (minimum) rated connector.
- The illuminator should be IP67 as a minimum.
- The illuminator should have an operating temperature range of -58°F to 140°F
- The illuminator should meet the following standards:
 - Safety
 - EN60598:2004 Electrical Safety
 - EN60825-1 Laser Eye Safety
 - IP: IP67 in accordance with EN60529:1992
 - EMC: EN61000, FCC part 15.107, 15.108 Class B
 - WEEE :Waste Electrical & Electronic Equipment European directive 202/96/EC
 - RoHS: Restriction of Hazardous Substances European directive 202/95/EC