

“Anti-Collision Light for LCA”

(Developed by CSIR-Central Scientific Instruments Organisation, Chanigarh)

Technology in Brief (Max 50 words)

The main purpose of Anti-collision Light (ACL) in aircraft is to indicate aircraft presence during flight to avoid collision. It is a flashing light and installed on the top and bottom of the A/c. It is a aerodynamically designed to meet the requirements.

Salient Features

- LED based dual mode in visible & IR range.
- Dimming mode with pilot switching.
- Software controlled flashing.
- Aerodynamic shape
- Natural convection cooling, Seal proof/ Nullified Icing effects.
- Airworthy MIL Qualification, MIL STD-810-G, 704-C/E

Advantages:

- High MTBF>30,000 hrs.
- Weight less than 700gm.
- Communication between top and bottom.
- NVIS Friendly.
- Indigenized in the form fit requirements.
- Shock and Vibration Resistant

