

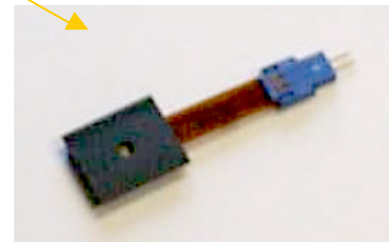
In a cabin passengers, the Floor Proximity Emergency Escape Marking is intended to guide the passengers through the cabin to the exit doors in the dark of the night. Such system are defined per FAR / JAR 25.812 (e) requirements (FPEEPM).



Madelec Aero offers such system based on the use of LED's lighted sources.

The modular design allows to easily built and modify the system by juxtaposition of "strips" according to the cabin lay-out.

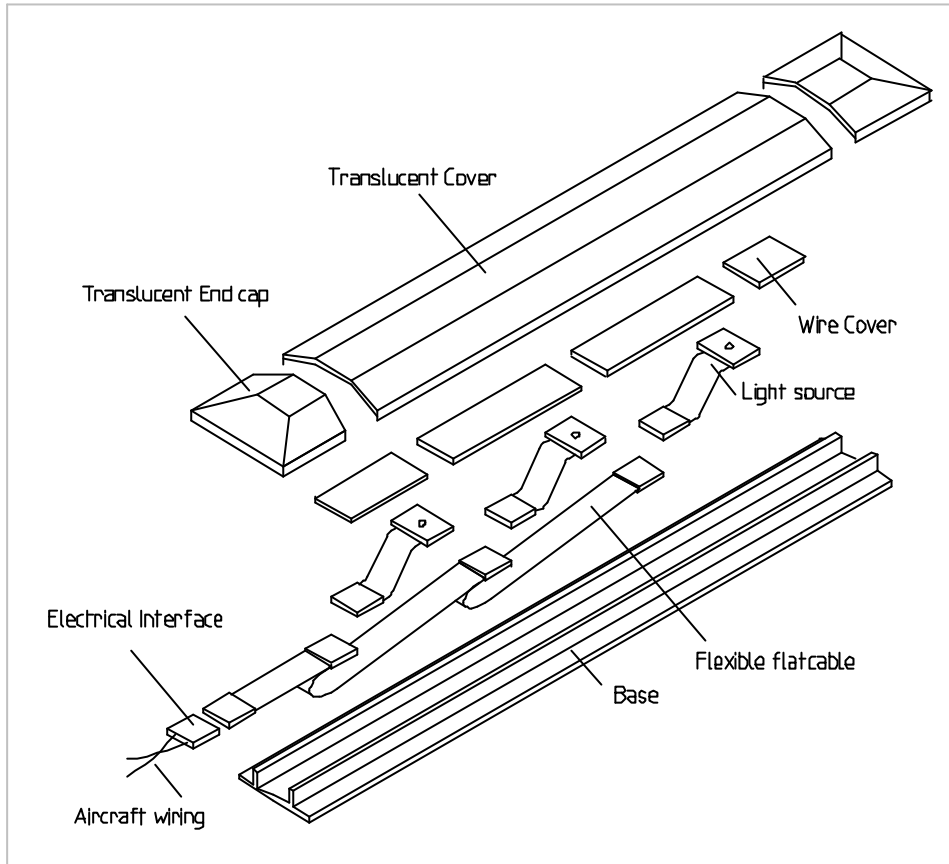
The maintainability is made easy thanks to the possibility to replace the light source on condition without dedicated tool.



TECHNICAL DATA

Light source:	Un-polarized green or red LED
Power Supply:	from 3.5 to 7.5 VDC
Consumption:	About 12 mA per light at 6 VDC.
Profile section:	see dedicated §
Strip length:	From 0.2 meter to 3.1 meters.
Light source pitch:	From 0.10 meter
Mass:	0.450 kg / meter
Electrical Interface:	2 Un-polarized wires
Useful Life:	> 20 000 Operating Hours
Environmental Spec:	Tested & qualified according to RTCA DO160D

Nomenclature



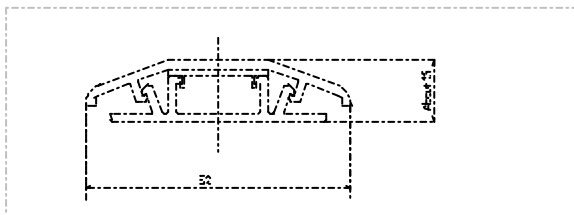
As shown by the drawing, a strip is consisted of :

- Light sources - green or red LED mounted on a flexible PC Board - plugged on a flexible cable through connectors (each connection is secured by latch).
- Fitted in a polycarbonate profile ended by cap.

The strip is mounted on the cabin floor with double side adhesive tape.

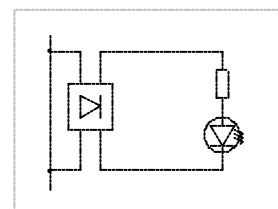
Connection wires between strips and batteries packs are running under the floor panels or the carpet.

Profile section



Profile maximal length available : 3 meters.

Light source



The light-source is un-polarized.