

CASESTUDY

BY MINILAMPE

CUSTOM-MADE
LED LIGHTING
SOLUTIONS

RAILWAYS
COMPIN GROUP
LED MODULES
600 mm & 1200 mm

TRAIN INTERIOR
LIGHTING



UPGRADING
REFURBISHMENT
RENOVATION
SNTF TRAIN FLEET



THE REQUIREMENT

As a part of the program of the procurement and Modernization of its train fleet, the National Railway Company in Algeria (SNTF) has chosen the French railways equipment manufacturers FAIVELEY Transport and COMPIN SAS for the upgrading and renovation of its high speed and commuter passenger train cars.

The purpose is to extend train car's life, to meet the requirements for comfort, accessibility and safety as well as improve passengers transport conditions.

COMPIN group that designs seats and train interior equipment wishes to integrate LED lighting to replace discontinued T12 fluorescent tubes in their equipment.

ISSUE.

■ To support COMPIN Group by offering a custom-made and economical lighting solution, to design, develop and manufacture this LED lighting system.

THE SOLUTION

With its Research & Development Department, its production unit and its laboratory located in France, MINILAMPE is an historical manufacturer of the Railways sector. MINILAMPE is recognized for its capability to provide custom-made lighting solutions for train interior. The COMPIN group has chosen MINILAMPE to design a full range of custom made 600 mm and 1200 mm LED modules that meet the technical constraints, EN50155/EN50121/EN13272 certified.

THE RESULT

- Reduction of maintenance costs. Life is 30 000 hrs.
- Contribution to the technological evolution of the new LED lighting system. The proposed solution enables the replacement of the fluorescent tube and its ballast.
- Power consumption reduction by 50%, from 50W (fluorescent tubes 1200 mm & ballast) to 22W (Led tube).

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