

CASESTUDY

BY MINILAMPE

CUSTOM-MADE
LED LIGHTING
SOLUTION
PLUG & PLAY
SOLUTION

RAILWAYS
SNCF RESEAU

RAIL AND
INFRASTRUCTURE
SIGNALLING



DESIGN
DEVELOPMENT
MANUFACTURING
PLUG & PLAY
SOLUTION



THE REQUIREMENT

In the context of the technological evolution to LED, SNCF RESEAU plans to change the incandescent lamps of their signals, lamp types B21s/4 6.5V 12.5W & B21s/4 19.4V 25W CT198 by LED technology.

ISSUE.

■ To design, develop and realize LED lamps that meet our customer's technical specifications and bring a PLUG & PLAY solution.

THE SOLUTION

With its Research & Development Department, its production unit and its laboratory located in France, MINILAMPE which is the historical manufacturer of these existing incandescent lamps 6.5V & 19.4V, has designed LED lamps as replacement for the signal lights, following SNCF RESEAU 's technical specifications, drastic environmental and dimensions constraints.

MINILAMPE designs, develops and manufactures obsolete lamps. MINILAMPE supports its customers by offering bespoke LED lighting solutions in the context of technological evolution of lighting systems.

THE RESULT

Improves visibility of the signals.

Enables maintenance in operational conditions without changing the installation and equipment.

Plug & Play solution.

■ **Lower purchasing cost** of a LED lamp as plug & play in the existing signal compared to the replacement cost of a complete LED module, much more expensive (X 10).

■ **Reduction of maintenance costs.** Life is 30 000 hrs for LED lamps against 4 000 hrs for incandescent lamps.

The average time to replace the existing lamp with the LED lamp in the signal is 5 seconds.

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