



## **D5.2 Second pre-series production unit for Light Steering projection technology demonstration**



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## 1 EXECUTIVE SUMMARY

This deliverable consists of a projector pre-series prototype capable of displaying High Dynamic Range (HDR) images on a screen in a typical cinema environment and designed for commercial use in Digital Cinema market.

This document describes the process followed for the design of this second projector using evaluation results from the first pre-series (D5.1) with a focus on performance and industrialization. Non-industrial components have been replaced with designed for manufacturing and cost-effective components. At the same time, some other image quality critical characteristics were dramatically improved to maximize the value of the use of this technology for cinema.

Efforts to integrate in the ecosystem, via post-production fit, and in contributing to an industry-wide standardization take place in parallel with this development.

Finally, a new user study was conducted inside Barco with this second pre-series projector to keep track of the HDR image quality value throughout the development.