

**An industry first!**  
**LED Digital Projector Analysis Special Report**

Currently the LED digital projector industry is relatively new and LED digital projectors are about to turn the digital projector industry upside down. Why? They are THE **hot** new thing because of their compact size, optimal portability, battery operation, and functionality.

In order to be a **LEADER**, to compete and grab a piece of the digital projector pie, projector companies worldwide must meet and exceed their customers' ever increasing demands. This creates fierce levels of competition as more and more companies are vying to make their mark on the digital projector (DP) world market and are striving to grab their share of the market.

**Are you a leader or a follower in the digital projector industry?**

**Lead, follow, or.....well, you get the picture!**

**How do you become a LEADER??**

**By getting the answers to your digital projector questions**

You must first understand what is "inside the box" and how the component and manufacturing costs are broken down. You must also specifically understand how the optical system performs. When you understand what's "inside the box" from a technology standpoint and what the related manufacturing costs of this technology are, then you have taken the first steps in understanding the competitive landscape!

The companies with this critical *knowledge* of the various limitations of a particular light engine design, the optical system requirements, the optical components and the required component and manufacturing costs are the companies who can exploit this technical and cost information to dominate and become the industry **LEADERS**.

The components can and do have a direct bearing, as to whether your company sells 100 or 100's of thousands of digital projectors. You may have the coolest looking industrial design in the world for your digital projector, but a box with high-tech components with marginal optical performance and high component costs that lower your profit margin is not the most effect use of your time or your valuable resources. That business model could mean financial disaster for your company.

## **Lead, follow, or.....**

Due to high client demand [Optical Short Course International](#) (OSCI) and [Cypress Labs](#) have come together in a joint venture that is truly an industry first! They know and understand that it is imperative to understand what's "[inside the box](#)" optically, as well as what the manufacturing costs are.

### **This is a knowledge expanding opportunity for you!**

Most times, reports, while comprehensive in subject matter, usually only cover one specific area of a topic and may or may not include photos, graphics and other visuals. [OSCI](#) and [Cypress Labs](#) are keenly aware of this and recognize that manufacturing costs and optical light engine system designs/performance and their limitations truly go hand-in-hand.

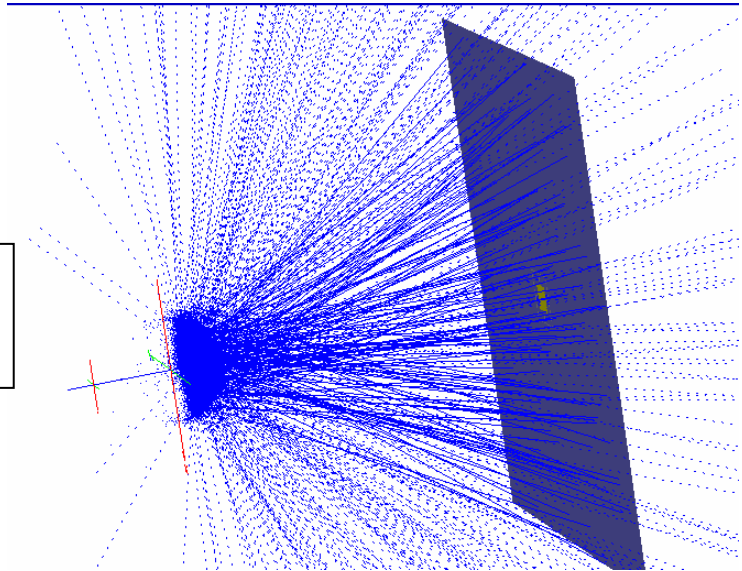
This report saves you time and resources by eliminating the need to do a report like this one internally. All the work is done for you and you will be able to benefit from an extensive database of manufacturing costs with which to compare your product.

Take advantage of this industry first!

By purchasing this two-part report you are empowering yourself with valuable knowledge from two companies who have joint-ventured to create a single comprehensive LED Digital Projector Analysis Report. In this two-part report they have identified key areas of LED DP technology that companies must be informed of in order to compete in the digital projector industry arena.

<b>LED Digital Projector Analysis Special Report</b>	
<b>Cost Analysis Report</b>	<b>Optical System Analysis Report</b>
🔍 Mechanical System Analysis	🔍 Optical System Analysis
🔍 Electrical System Analysis	🔍 Light Engine Configuration
🔍 System Board Analysis	🔍 Optical System Layout
🔍 Optical Component Cost	🔍 Illumination System Analysis
🔍 Electrical System Cost	🔍 Imaging System Analysis
🔍 Part Count Spreadsheet	🔍 Optical Component Discussion
🔍 High Resolution Photographs	🔍 Subsystem Components
🔍 Graphs and Diagrams	🔍 Unique Design Features
🔍 Cost by Volume and Country of Manufacturing and Assembly	🔍 Light Source Analysis & Discussion
🔍 Manufacturing Labor Cost	🔍 Throughput Analysis
🔍 Overhead Cost	🔍 Color Analysis
🔍 Component Cost	🔍 First Order Optical System Layout
🔍 Commodity Components	🔍 High Resolution Photographs
🔍 Proprietary Integrated Circuits	🔍 Unique Design Features
🔍 Printed Circuit Boards	🔍 Graphs and Diagrams
🔍 Plastic Parts	
🔍 Optical Parts	
🔍 Moulded Optical Parts	
🔍 Metal Parts	
🔍 Assembly Methods	
🔍 OEM Subassemblies	

**LED Source and Rays**  
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## **Manufacturing Cost Analysis Report**

[Cypress Labs](#) is renowned for their world-class manufacturing cost analysis reports. With 13 years of experience, they empower their world-class clients with the costing “nuts and bolts” of digital projectors.

How do they do this?

They provide highly qualified cost estimates for all of the components by using an efficient and effective teardown process.

The true value of their industry unique reports extends well beyond just the costing of components. Their reports delve deeper by also establishing cost benchmarks for the manufacturing of fabricated components. The reports empower clients with the ability to get a better understanding of what it should cost a world-class manufacturer (OEM) or contract manufacturer to build the projector *at any production volume within any country*.

Using a specific and time-tested methodology, [Cypress Labs](#) can efficiently and effectively ascertain the best case purchase costs of the individual components inside the digital projector box. This information will help you ascertain your market share and show you how to increase your share of the digital projector industry.

This information is also helpful when your company decides to generate new products or prototypes by utilizing it as a competitive benchmark when dealing with those companies that will build your new products.

This Manufacturing Cost Analysis Report will embolden you in your crucial purchase and contract negotiations by;

- ④ Comparing manufacturing labor costs for countries of your choice.
- ④ Tracking overhead costs such as employee benefits, facilities, factory capital expense, product specific tooling, production engineering expense, and more
- ④ Estimating commodity component costs based upon specific production volumes
- ④ Classifying commodity component by characteristics- ie- voltage, power, packaging, or other relevant categories.
- ④ Helping to better comprehend proprietary integrated circuits
- ④ Identifying Printed Circuit Boards and their manufacturing costs
- ④ Identifying all fabricated materials associated with the product and estimating their manufacturing costs based upon production volumes
- ④ Identifying Optical parts created from glass or quartz and estimating manufacturing costs
- ④ Identifying and estimating the manufacturing costs of all OEM subassemblies including power supplies, display panels and any other subassemblies that can be contracted.

For more information or to view a “sample” report, please visit [Cypress Labs](#).

### **Optical System Performance Analysis Report**

For the past 6 years, [OSCI](#) has been a leader the DP industry in the optical lens and illumination design and analysis of DLD™, LCOS, and LCD digital projectors. They have developed and taught the training and educational course, [Optics of Digital Projector](#) worldwide to Fortune 100 companies who are specifically interested in becoming **LEADERS** in the digital projector industry. We have also co-taught the illumination design course at the Optical Sciences Center at the University of Arizona.

To determine what is [“inside the box”](#) in terms of the optical system performance; [OSCI](#) will perform non-destructive disassembly comparative analyses using [reverse engineering principals and expertise](#). In doing so, [OSCI](#) will synthesize

the optical fabrication, optical testing, optical assembly and alignment, the thin film coating design, analysis, and testing.

Opto-mechanical design can be limited by the light engine design; you will learn opto-mechanical design and analysis, tolerances, and alignment of the images and illumination systems. Optical alignment and tolerance testing will be conducted in order to further analyze the optical system and how it is designed affects the overall technical performance. Basic sketches using lens design and illumination design software will provide an in-depth view of the optical engine design layout.

This detailed optical design analysis, combined with [Cypress Labs'](#) cost analysis, completes the LED digital projector light engine analysis report.

We are convinced that this valuable, two-part report can help accelerate you up the steep learning curve of LED digital projector component cost and optical analysis technology.

## **Become an industry LEADER and not a follower.**

Act now and buy this highly valuable report.

If you have additional questions, please call:

**Michael Pate, President of OSCI at 520-777-0905**

**Or**

**Doug Moore, with Cypress Labs at 760-943-1300**