

# Technical overview

Program:

**Installation aspects**

**Programming & loading content**

**Play out content**

**Servicing**



# DLP-Cinema Product Specifications

Spec	DP90	DP100
Resolution	2048x1080	2048x1080
Contrast	2000:1	2000:1
Screen Brightness	12000 lumens 15m / 49ft	18000 lumens 20m / 65,6ft
Lamps	1,5kW - 4kW	3kW – 7kW
Mounting Power	Standing/ceiling Single 220V	On pedestal Three phase 208V/400V



# DP100 User Benefits



- **Easy Functional Operation**
  - Extended button and touch panel control
  - Motorized anamorph lens 1,25
  - Wide range click and fit lenses
  - Manual shift and focus (motorized in post package)
  - Integrated 2K Acsar2 with 4 inputs, full PIP
  - Automated control
- **Performance**
  - Sealed engine module
  - Lamp module 1.5-7 kW
  - CLO (driving electronic rectifier)
  - 3D ready
  - Post production Option
- **Installation**
  - 13u 19" Rack space
  - Communicator software
  - Including wheels and handle (\*)
  - Qualitative finishing (cabling) and stability (vibrations)
- **Maintenance & Serviceability**
  - Adjustable convergence
  - Modular design
  - SNMP
- **Reliability**
  - Advanced cooling
  - *Redundant power supply TRIPLE*
- **Safety and security**
  - Secure Processing card cage

# DP90 User Benefits

- **Easy Functional Operation**

- Extended button and touch panel control
- Motorized anamorph lens 1,25
- Wide range click and fit lenses
- Manual shift and focus (motorized in post package)
- Integrated 2K Acsar2 with 4 inputs, full PIP
- Automated control



- **Performance**

- Sealed engine module
- Lamp module **1,5-4kW**
- CLO (driving electronic rectifier)
- 3D ready
- Post Production Option
- ***Improved cost of ownership – increased lamp life time***

- **Installation**

- ***Flexible Installation***, standing or ceiling mount
- Communicator software
- Qualitative finishing (cabling) and stability (vibrations)

- **Maintenance & Serviceability**

- Adjustable convergence
- Modular design
- SNMP

- **Reliability**

- Advanced cooling
- ***Redundant power supply DOUBLE***

- **Safety and security**

- Secure Processing card cage

# Installation Aspects

Projector installation in ½ day

Mechanical

Optical

Calibration

Software

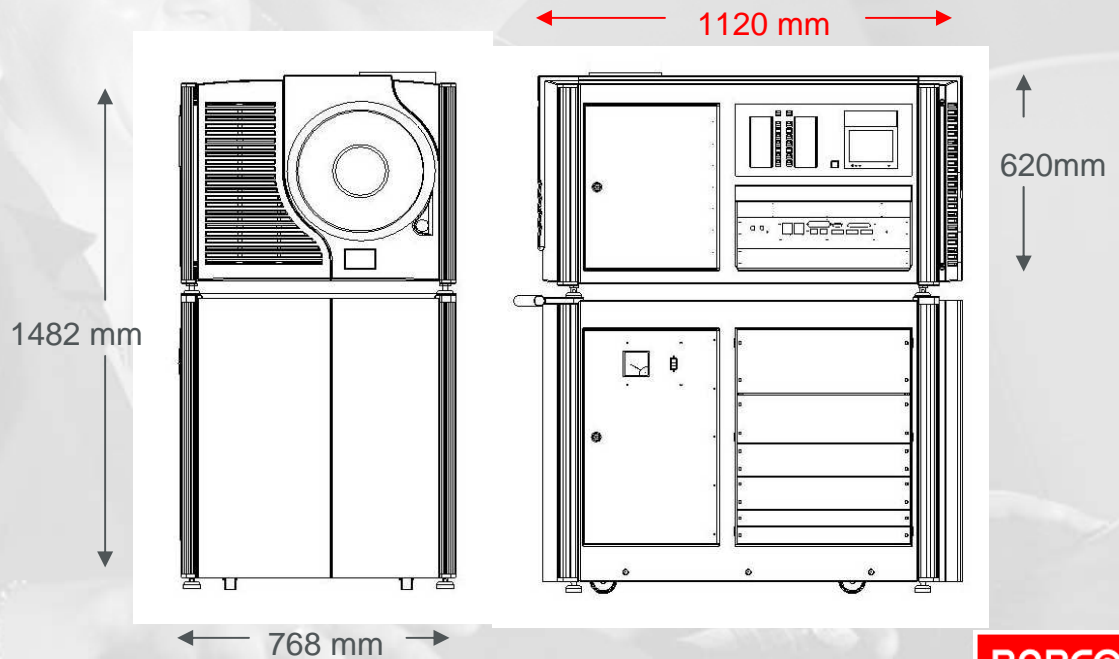
# Installation Aspects

Projector, Mechanical: 1-2 hours

Physical installation

Wiring power and signal cable

Air extraction



# Installation Aspects

Projector, Optical: 1 hour

## Lens installation

Prime lens makes a 1.9 aspect ratio

Anamorph lens 1.25 for scope movies

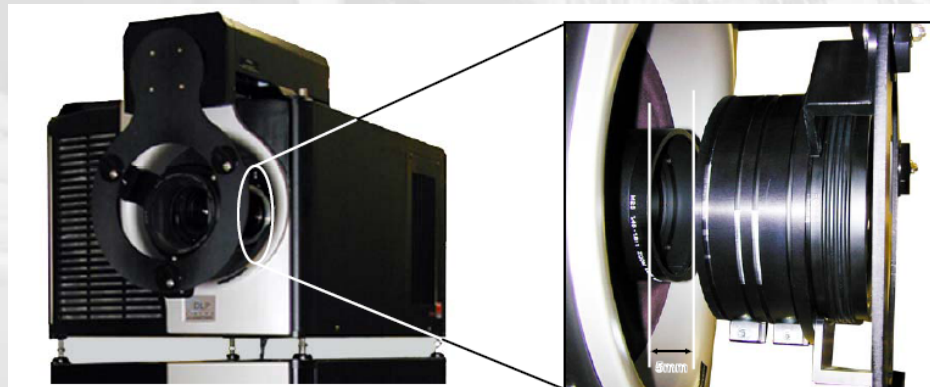


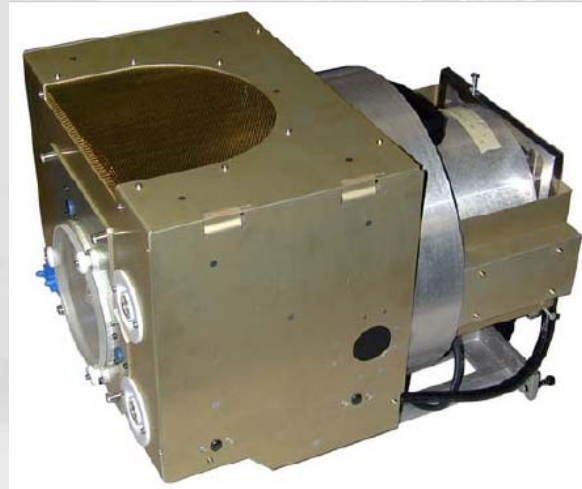
Image 3-1  
Anamorphic lens position with respect to the installed prime lens

# Installation Aspects

Projector, Optical: 1 hour

## Lamp assembly and alignment

Lamp modules adapts 1.2 – 6kW lamps  
Choice depends on screen size



# Installation Aspects

Projector, Calibration: 30 minutes



## Measuring prime colors

Calibration assures the same representation as created by the director in post taking into account theatre environment.

## Measuring light output

For digital cinema a minimum of 14Fl full white is required.

# Installation Aspects

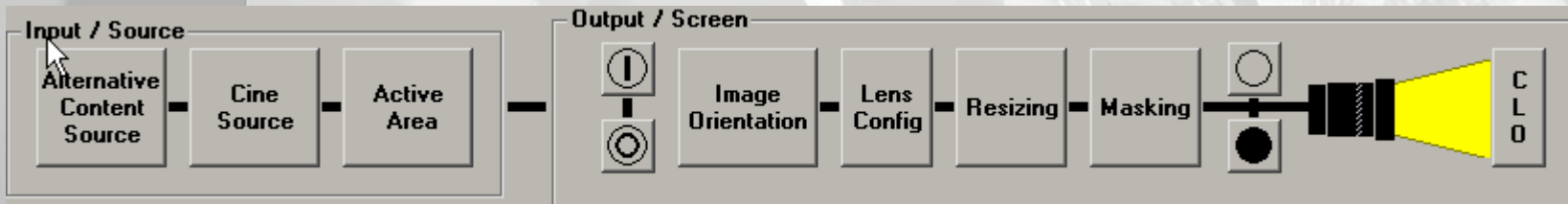
Projector, Software: 1 hour

## Input signal settings

The Projector configuration File (PCF) defines all the details of the movie, this assures the movie is played in the same way it was made.

## Image screen settings

The screen file contains the theatre settings to assure the movie is displayed in correct format.



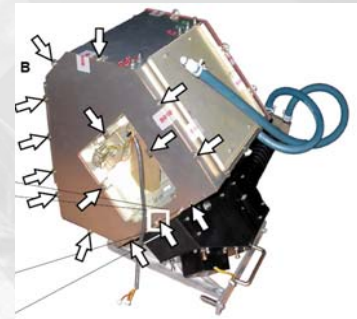
# Installation Aspects

## Projector Modules:

Lamp



Light engine

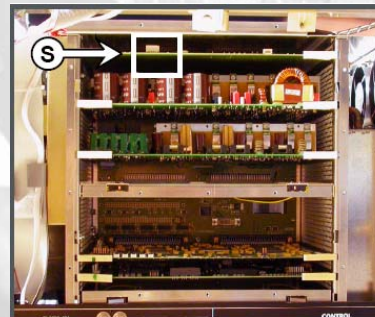


Lenses



Power supplies

Signal Processing



[dlp\\_demo.exe](#)

# Programming and loading content

Projector:

## Create a new preset

A MACRO can be created, including all input signal settings and screen settings in order to automate the projector.

Every Macro can be given a logical name and assigned to a button on the control panel.

# Play out content

Projector:

Selecting the predefined preset

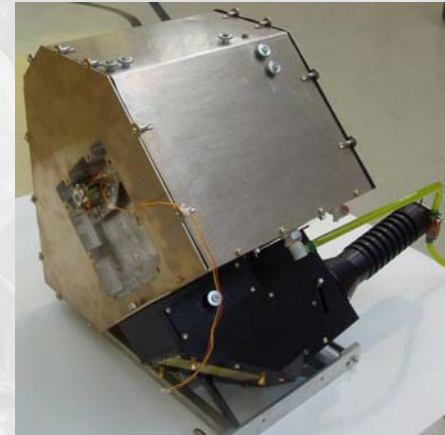


# Servicing

Projector: Modular design

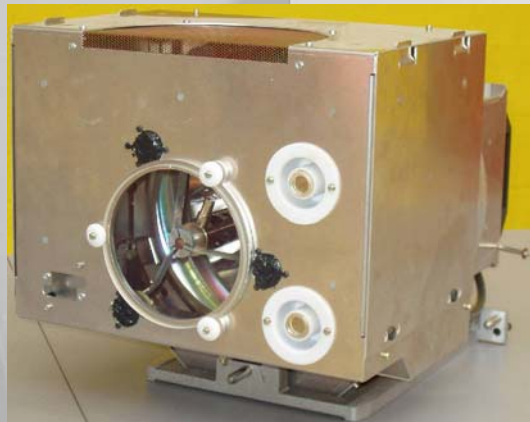
## Sealed Optics:

- Protect against dust
- Long life guarantee
- Contrast maintenance



## Modular design of lamp house:

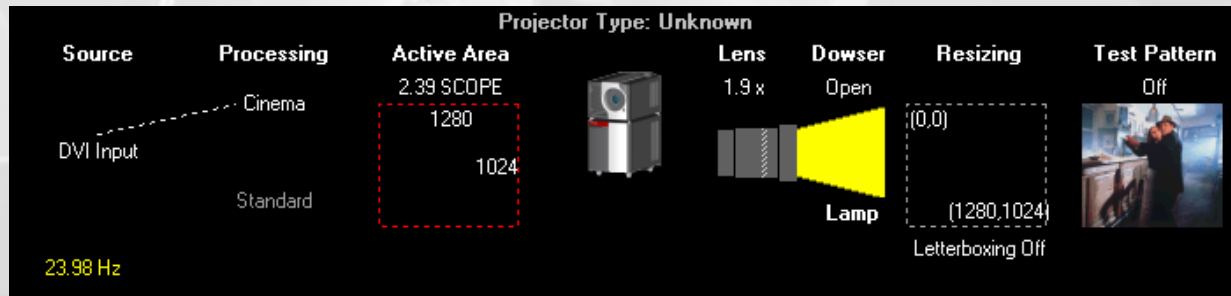
- Fast swap of lamp in <5 min
- Easy installation by operator
- Quality guarantee by service technician
- Lowest impact & risk at lamp explosion
- CLO & auto lamp alignment



# Servicing

## Projector: Diagnostics

Easy to read status report



## Remote diagnostics

Phone line  
Network  
SNMP

# Projectors with SNMP Agent

