



Cinecloud Lux is the light that finally makes watching a movie unforgettable and offers unprecedented benefits

THE Smart Cinema Laser  
**RGB LUX 50K**  
laser light source

Provides up to **50.000 lumens**  
Screens up to **45m (147 ft)** wide



### Easy retrofitting for DLP Projector

A scalable solution for any DLP projector, easy to install even in a small projection booth. The laser source, embedded in 2 self-standing compact racks and coupled into a fiber optic bundle, can be fitted on the projector engine to replace the traditional Xenon lamp, saving the original projector. The cinema will safeguard the investment, will reduce the running costs and will increase the shows quality.

### Full warranty for the projector

LUX includes an insurance to cover the projection system when the projector warranty is still in force.

### Financial package

CINEMECCANICA BANK supplies a 5 or 7 years leasing, without down payment



ENERGY SAVING



MONEY SAVING



NO MAINTENANCE



SUPERIOR IMAGE QUALITY

The laser light applied to the movie projection makes the best images, with more vivid colours and intensity, giving to the spectators the feeling of an higher contrast and a wider depth.

The projection system with laser light is safe and works for 30.000 hours, maintaining its brightness unchanged over time. This means to benefit of an even top quality from the first projection to the years to come.

The laser light is also a green technology, since it is reducing the consumption of electricity and eliminating the use of pollutants discharge lamps.



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## Light

## Cinecloud LUX 50K

### Light output

Built with a variable number of RGB laser modules, the product is made by 2 self-standing and compact racks, providing up to 50.000 lumens. For screens up to 45m (147 ft) wide.

### Fiber coupled RGB modules

Each RGB module is coupled to a fiber optic bundle that can be custom made. The optical fiber bundle may be built in different lengths.

### Selectable RGB power setup

DCI (pure cinema exhibitions) or not DCI (alternative contents or non-cinema shows) white point while projecting. The system automatically dimmers independently each of the three primary colors to get the desired white point.

### Dimmable light output

The brightness can be dimmed and managed by CUES according to the needs of the show (i.e. for 2D or 3D movies).

### Power consumption

Reduction up to 50%. The calculation has been made considering the lumens per Watt emitted in real condition (all measurements of power and lumens have been taken from "on the shelf" projectors equipped with laser or standard Xenon Bulb).

## Mechanics

### Robust rack-like box

Secured rack-like box for preventing injuries while working or making maintenance. The structure is robust and easy-access for a fast maintenance over years. All apertures are protected by tamper switches for preventing accidental exposures. Each rack is a standalone unit including RGB laser modules, power supplies and independent cooling system, all integrated. The single or double rack can be located wherever in the booth, in a technical room or fitted into a dedicated flight-case.

### Optical fiber system

The fiber has a built-in secure lock system for the connection to the projector.

### Control

Fully controlled by a touch screen and/or by remote over an Internet connection. A built in PLC controller manages automatically all functionalities of the machine both for normal operation and maintenance: Operation mode (ON/OFF -manual or automatic mode – light dimming – light power level – etc.), General and detailed status (temperatures, currents, alarms or warning condition, hour counter), cooling system control for preventing condensation and granting reliability to all components, GPIO for managing CUES from digital servers or from any existing automation systems, Intelligent Alarm system to warn the minor failures while allowing the continuation of the show, log reporting.

### Dimensions & Weight

\*each rack

771(H) x 652(W) x 750(D) mm \*  
30.3(H) x 25.7(W) x 29.5(D) inch \*  
270 kg \*

### Lifetime

30,000 hours (light decay is 20% at the end of lifetime)

### Power supply

208 - 240 VAC / 50 - 60 Hz / Single phase

### Environmental Temperature

35° C Max