



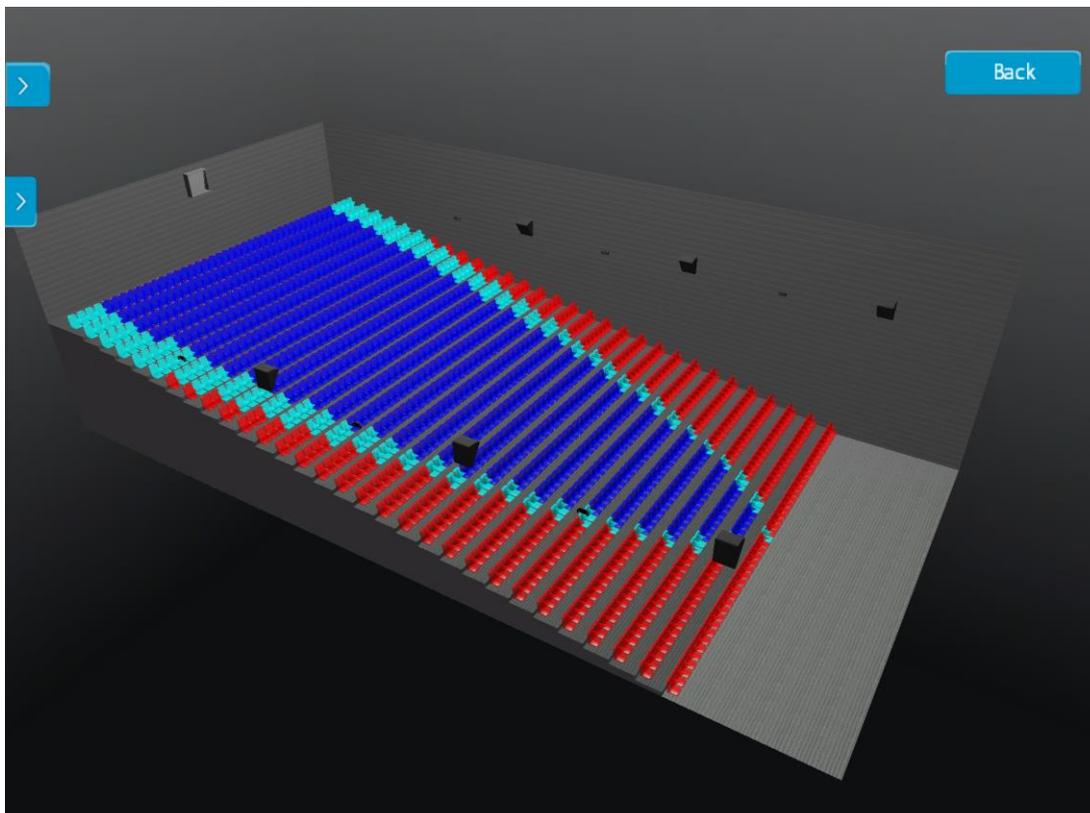
# DIGITAL SCREEN MODELLER

## What's new in version 4.0

The Digital Screen Modeller from Harkness Screens is a 3D simulation tool that allows architects, engineers and exhibitors to visualise and optimise digital cinema scenarios in a virtual environment. The information-rich model rapidly created by the Digital Screen Modeller enables key project stakeholders to make more informed decisions about digital cinema screen, projector and lamp choices before they're even installed to ensure that these comply with industry standard brightness levels. The Digital Screen Modeller is also an ideal tool for planned or proposed retrofit and refurbishment projects to visualise the impact on brightness levels and operating costs in existing environments.

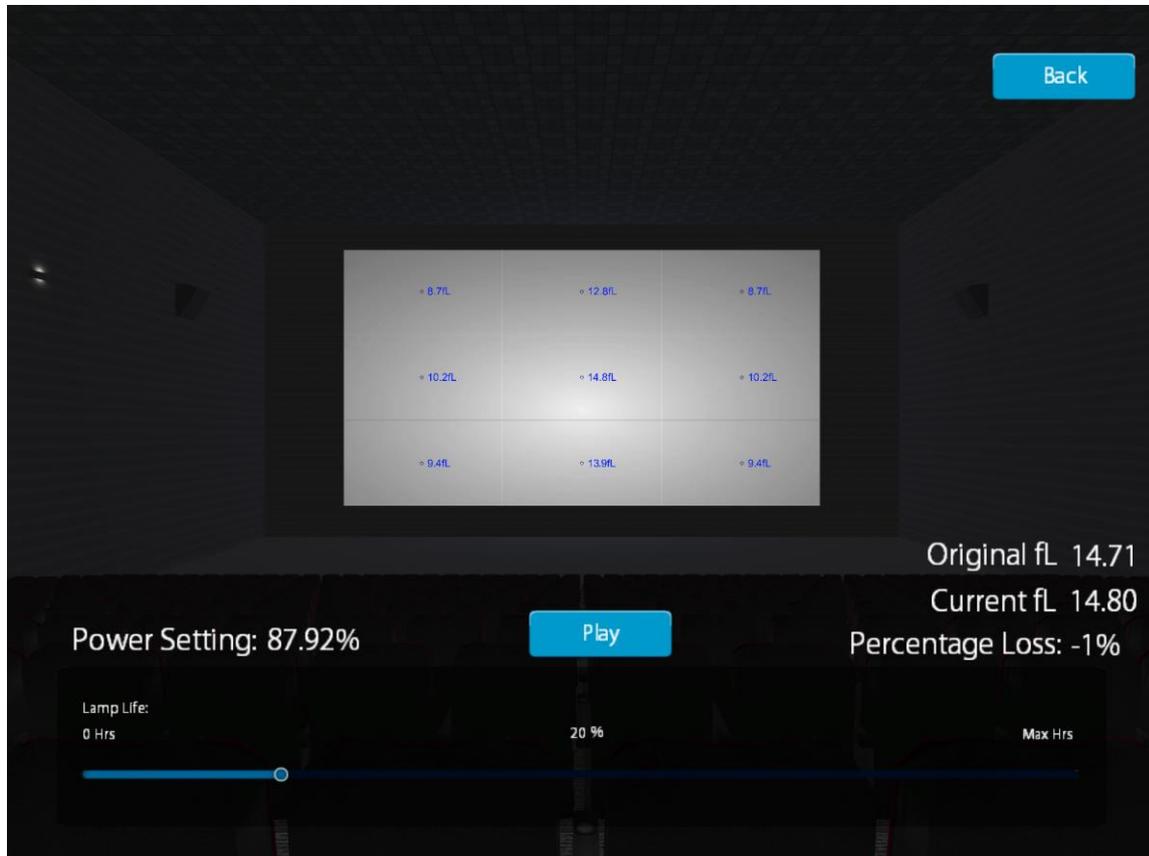
### Visual Performance Indicator

A minimum of half of the peak brightness at the centre of the screen is deemed to be acceptable for viewing performance. The gain of the screen affects the peak brightness and indeed the way in which the light is redistributed back to the seating area. The new visual performance indicator shows all the seats which achieve more than half of the peak brightness. Using this tool allows you to quickly optimise the auditorium to achieve suitable brightness and light distribution.



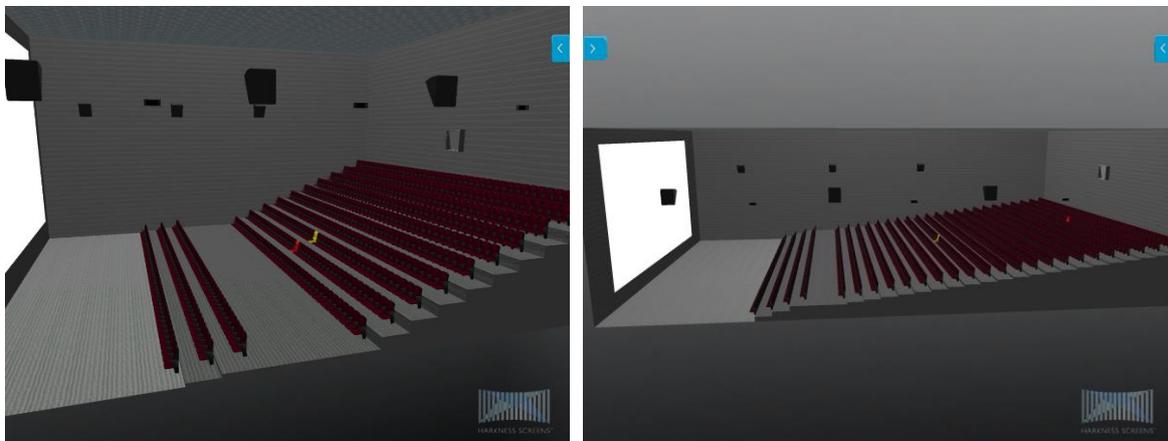
## Lamp Life Simulator

Once built, use the brand new lamp life simulator tool to replicate the performance of a xenon lamp through its life. Designed to simulate the light lock facility on a d-cinema projector, as lamp hours increase, lumen output falls and power increases. With the Lamp Life Simulator you can quickly gauge how long your projection setup can maintain DCI compliance.



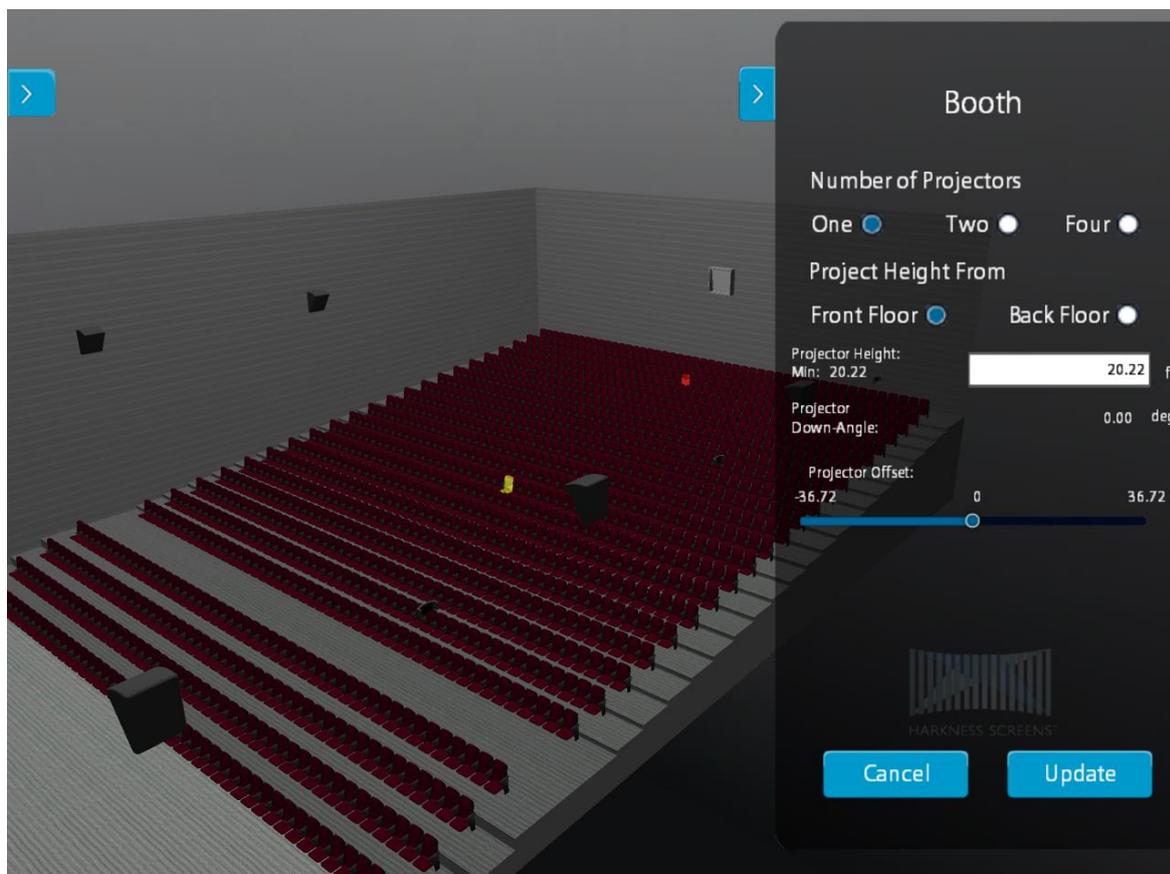
## Improved Seating Configuration

Both the front and rear seating areas can now be raked independently of each other to more accurately simulate true world auditoriums and give more flexibility in design.



## Projection Port Height Calculation

The projection port height can now be set from the true floor of the auditorium as well as the height of the floor of back row of the seating area. So whether working from CAD drawings or in-field measurements, obtaining the correct port height is now easier than ever.



## Additional Enhancements

Improved multiple projector options, screen size inputs, update manufacturer content including MasterImage Horizon3D and MasterImage Horizon3DS and performance improvements make release 4.0 the best yet.

