

CHRISTIE CINEMASTER CINEMA CALCULATOR TOOL DISCLAIMER

We created the Christie CineMaster cinema calculator tool to help estimate the best projector, lamp, and lens for your cinema based on information you enter. This tool incorporates all known brightness efficiency losses associated with each projector, lamp, and lens selection. We recommend adjusting other brightness efficiency losses that aren't associated with the projector, lamp, or lens—for example 3D system efficiency, screen gain, and port window efficiency—to match the installation setting. Each component has varying tolerances that can make projectors perform differently. For this reason, we recommend that you use these input settings:

- For Xenon – Light drop-off due to lamp age (%):
Minimum 25% (default)
- For Laser – Power headroom (%): Minimum 30% (default)

3D system efficiency:

By default, a 3D system efficiency of 27% is used. While 27% is commonly used, your 3D system could have a different efficiency, so we recommend adjusting this value to match your system. Not sure how to calculate this value? Please contact the 3D system supplier or Christie technical support for more information.

Screen gain:

By default, this value is set to 1.4 for 2D and 1.8 for 3D. We recommend adjusting the screen gain to represent the actual gain of the screen you're using.

Port window efficiency:

By default, this value is set to 98%. Typically, new port glass that is designed for this application will have 98-99% efficiency. We recommend adjusting the port window efficiency to represent the actual efficiency of the glass you're using.

The CineMaster cinema calculator tool makes estimations based on rated projector output, known component brightness losses, and user input values. Due to the variability of system efficiencies and user input values, expected brightness levels are estimates only and can't be guaranteed.

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For the most current specification information, please visit christiedigital.com

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