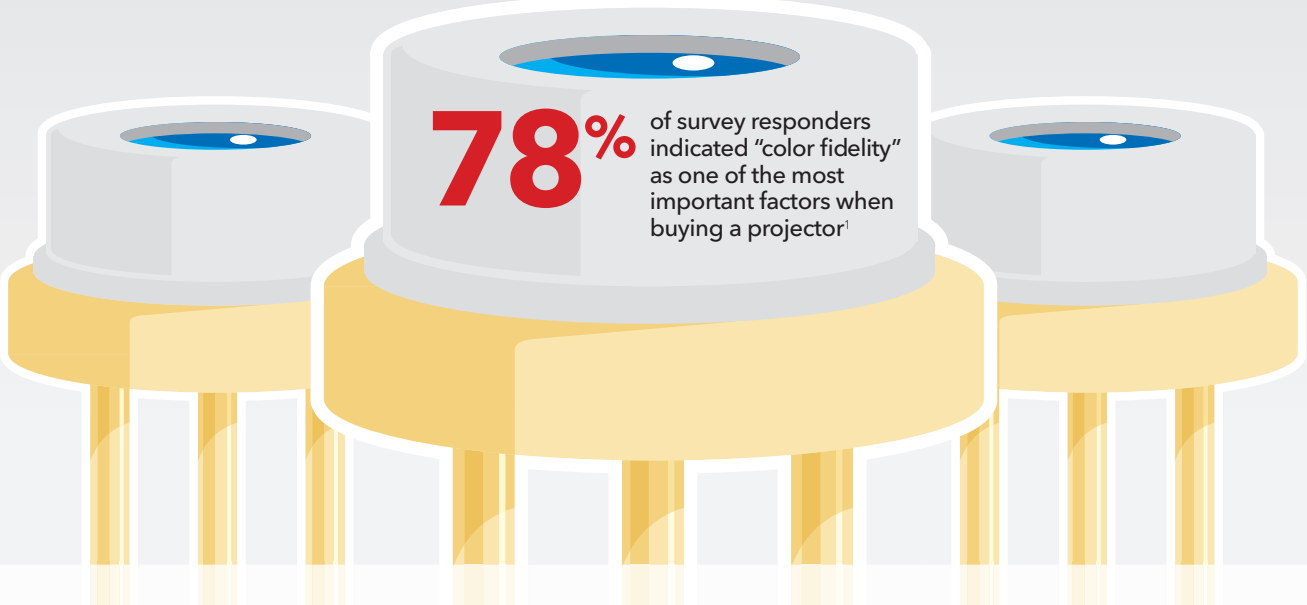




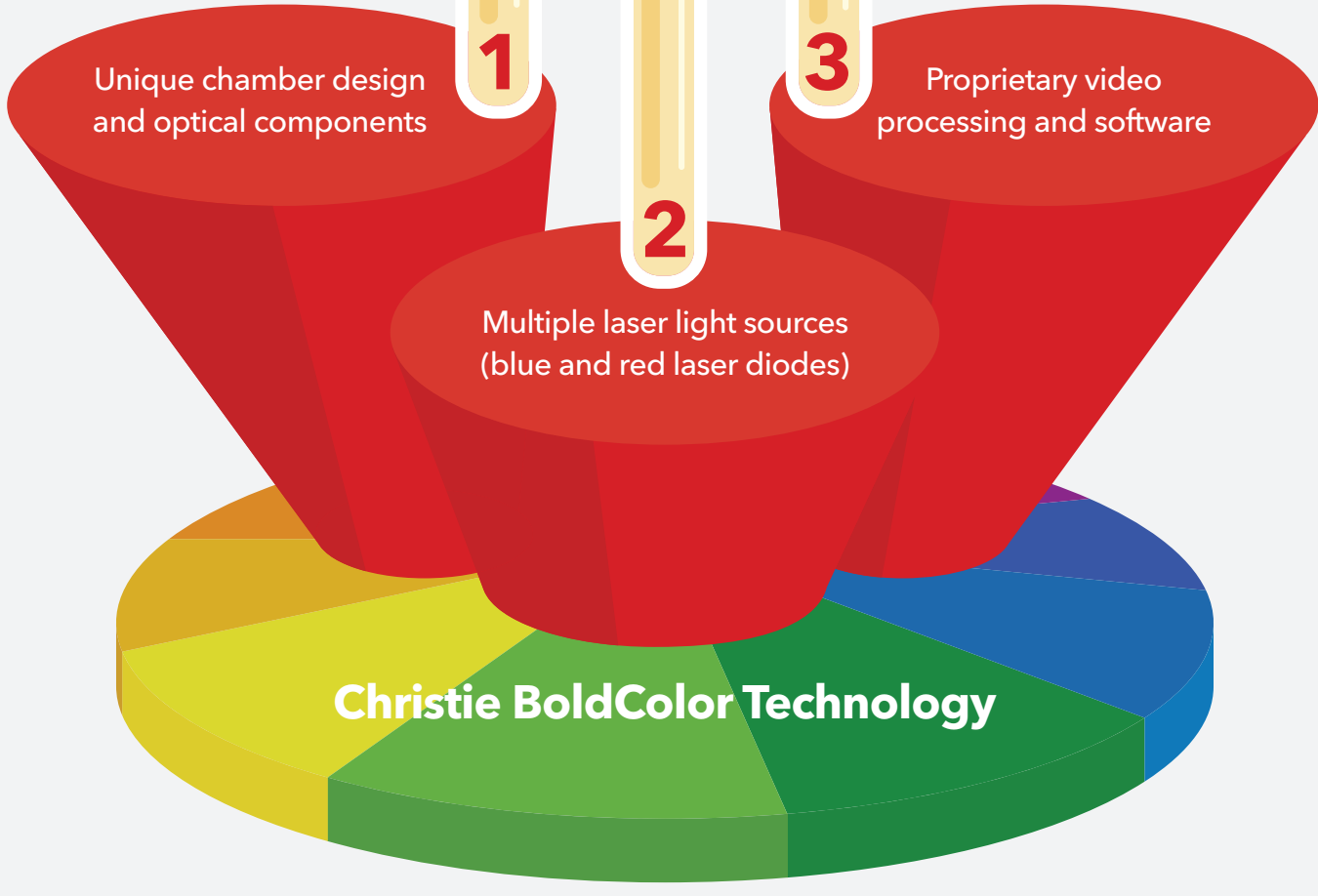
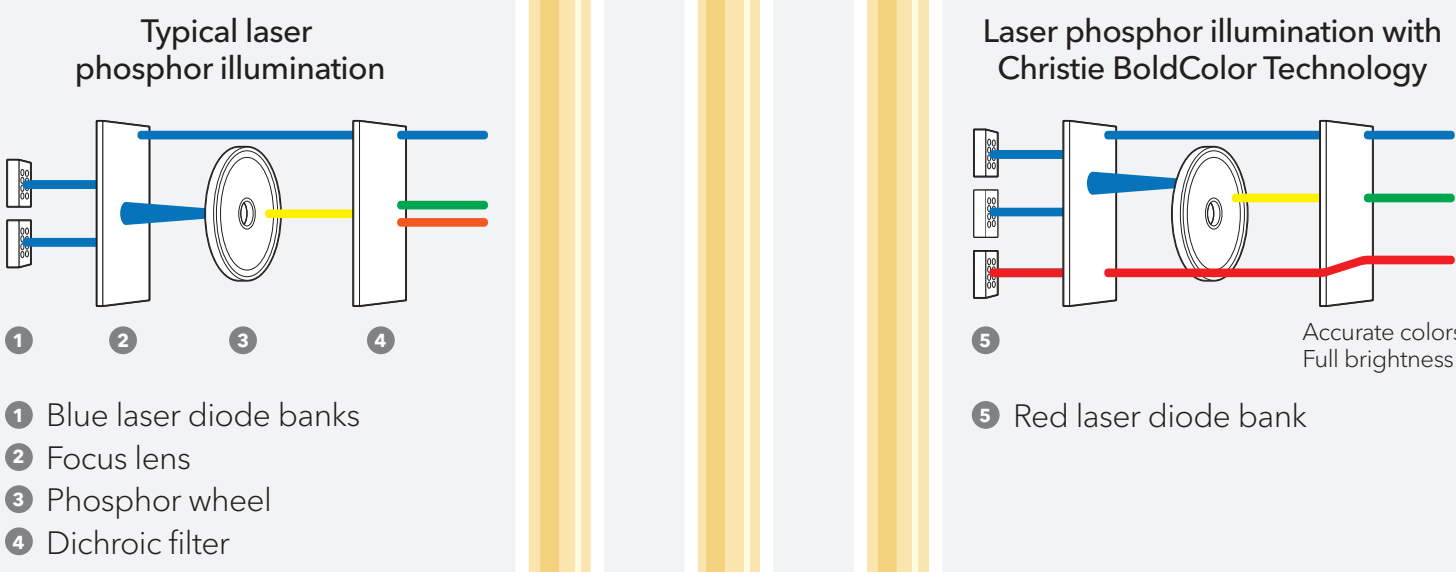
Color fidelity and laser phosphor illumination

Laser phosphor is a solid-state, lampless projection illumination platform that uses blue laser diodes as the primary light source. Offering a long life, minimal maintenance and a low cost of operation, laser phosphor projectors are gaining popularity in the ProAV industry.



Christie BoldColor Technology creates the color balance needed to accurately reproduce colorful images, without sacrificing brightness.

An industry first, Christie® BoldColor Technology employs blue and red laser diodes as well as a patented optical chamber, video processing and specialized software to produce enhanced color and saturation and more lifelike visuals when compared to typical laser phosphor projectors.



Color fidelity shootout

Christie BoldColor Technology equipped projector vs. competing 1DLP® laser phosphor projector.

Christie BoldColor Technology



Accurate color reproduction
Accurate detail in white and darks
Looks like original content

Competitor



Oversaturated colors – green is boosted
Greens have a more yellow hue
Loss of detail in whites and darks
Modified original content – can seem appealing



Accurate color reproduction
Full brightness and good whites
Accurate detail in whites and darks



Yellowish reds and greens
Loss of detail in whites and darks



Accurate color reproduction
Color balance is maintained
Full detail in highlights and darks



Yellowish greens
Boosted blue and greens – unnatural
Loss of detail in highlights and darks



Accurate color reproduction
Great skin tones
Beautiful color balance



Yellowish reds and greens
Boosted greens
Skin tones unnatural

With about a
30%

loss in brightness, it is possible to improve the color of the competing product by changing settings, however, it never matches the original content or the color balance achievable with Christie BoldColor Technology.

Comparing laser phosphor projectors?

Be aware of these 6 color manipulations that distort content to gain brightness.

- 1 Oversaturated greens
- 2 Crushed whites
- 3 Crushed blacks
- 4 Whites that appear yellowish
- 5 Reds that appear more orange
- 6 One color appearing much stronger/more saturated than the others

Need help choosing a projector? [Contact Christie](#) today.

Want to know more about laser phosphor? Visit our [resources page](#) for more information.

Share



¹Survey conducted by Christie and rAVe Publications.