

**PHILIPS**

Digital Projection  
Lighting

ColorSpark HLD LED



# Immerse yourself

Intense brightness with strong,  
vibrant colors to bring you an  
exceptional projection experience.





# A whole new light

on entertainment at home

## Philips ColorSpark HLD LED brings you great viewing, even under normal lighting conditions

When your eyes look at a screen, what they see is partly influenced by the background lighting – the ambient lighting – in the larger space around you. Sometimes ambient lighting can interfere with what you perceive, changing your viewing experience. But you don't have to fight the light anymore.

Our new HLD LED projection system gives you a better viewing experience on screens of up to 100 inches in diameter. So you can leave the lights on and you don't have to close the curtains anymore.

How do we know our system works? We asked you to test it. In a survey conducted by Insight Media, an independent consumer research company, more than two-thirds of the respondents preferred the projector equipped with our new ColorSpark HLD LED system over those from other leading projection systems.

Image quality matters, because that's what lets you really immerse yourself in your movie, your concert or your ballgame. Our ColorSpark HLD system does just that, combining high levels of LED based brightness with crisp and lively colors to bring brilliant life to the screen.

ColorSpark 

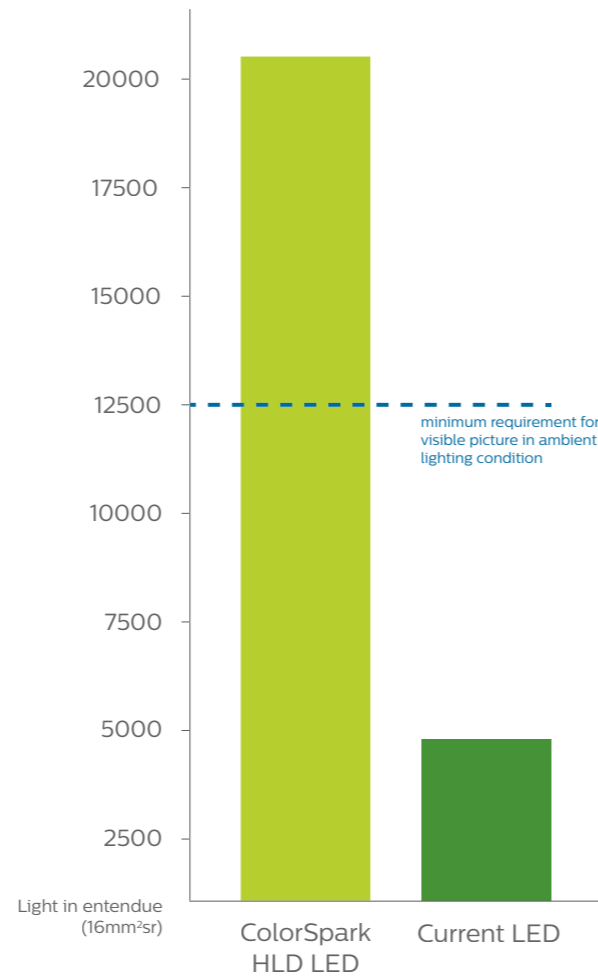
# Clear on-screen definition and readability

## For a sharper image, anytime

Our ColorSpark HLD LED projection system lets you see everything that's on the screen in sharp definition and clear colors.

That's because its new technology emits four times the light of current LED technology, making the screen up to three times brighter while still keeping brilliant color performance.

In tests, our ColorSpark system in RGB mode came out on top as the preferred light source against laser-phosphor and conventional LED based projectors in this brightness segment.



**Highest brightness**  
Philips ColorSpark HLD LED green module gives 4x more light than current LED technology, resulting in up to 3x more screen lumens.

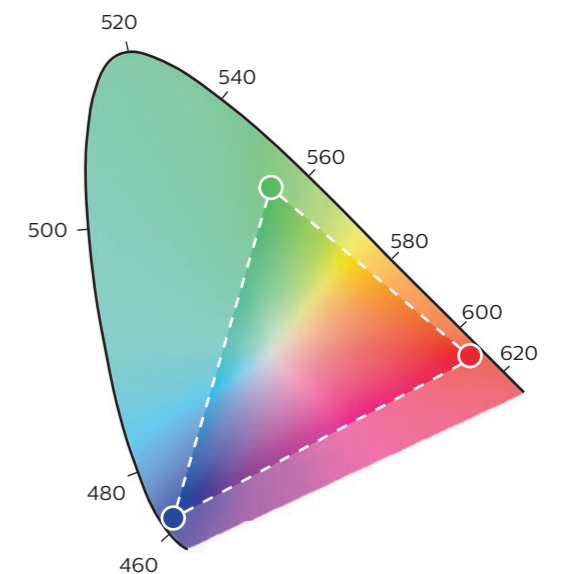


# Best possible color performance

## Getting each color right, even for the most delicate images

High-definition televisions must meet certain standards. These standards were set out in Rec. 709 and DCI-P3 by the International Telecommunication Union to ensure picture quality, particularly in the delivery of the color spectrum. But even with standardized requirements, some systems outperform others.

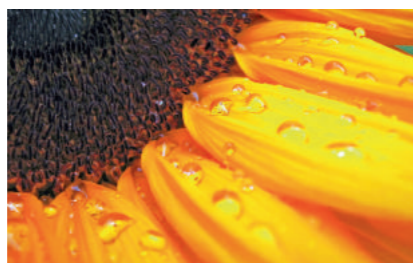
In the recent Insight Media survey, our ColorSpark HLD LED was the clear winner in best color accuracy, best contrast, best picture quality and most pleasing colors.



HLD delivers the purest sparkling color components for RGB



Current LED



ColorSpark HLD LED



Laser-phosphor

# ColorSpark HLD LED technology for **bright, vibrant colors**

## How it works

Commercial LED-based projectors are limited in the brightness they produce, because of the way LEDs themselves work. The light they emit is not suited to the small imaging devices at the heart of modern projection systems. Increasing the output of the light isn't the answer; instead, it's about focusing that light more intensely, and that's what ColorSpark HLD LED technology does.

By using a High-Lumen-Density rod, we can send more light to a smaller space than before, producing a brighter image and stronger color clarity.



## Applications and **benefits**

Sure, our ColorSpark HLD LED system allows for amazing projection at home, but that's not where it ends. We're used to thinking bigger, and wider. After all, Philips has more than 100 years of lighting expertise combined with a proud history of LED development and innovation.

So, in addition to the living room, we'll be looking at uses in classrooms, conference rooms, entertainment venues, stores and malls (for digital signage), and much more. Due to its scalability, ease of installation and maintenance, energy use, cost and overall performance, ColorSpark HLD LED is supremely suited to all of these environments.



**Very long lifetime** of 20,000 Hrs



**No lamp replacement**



**Scalability**

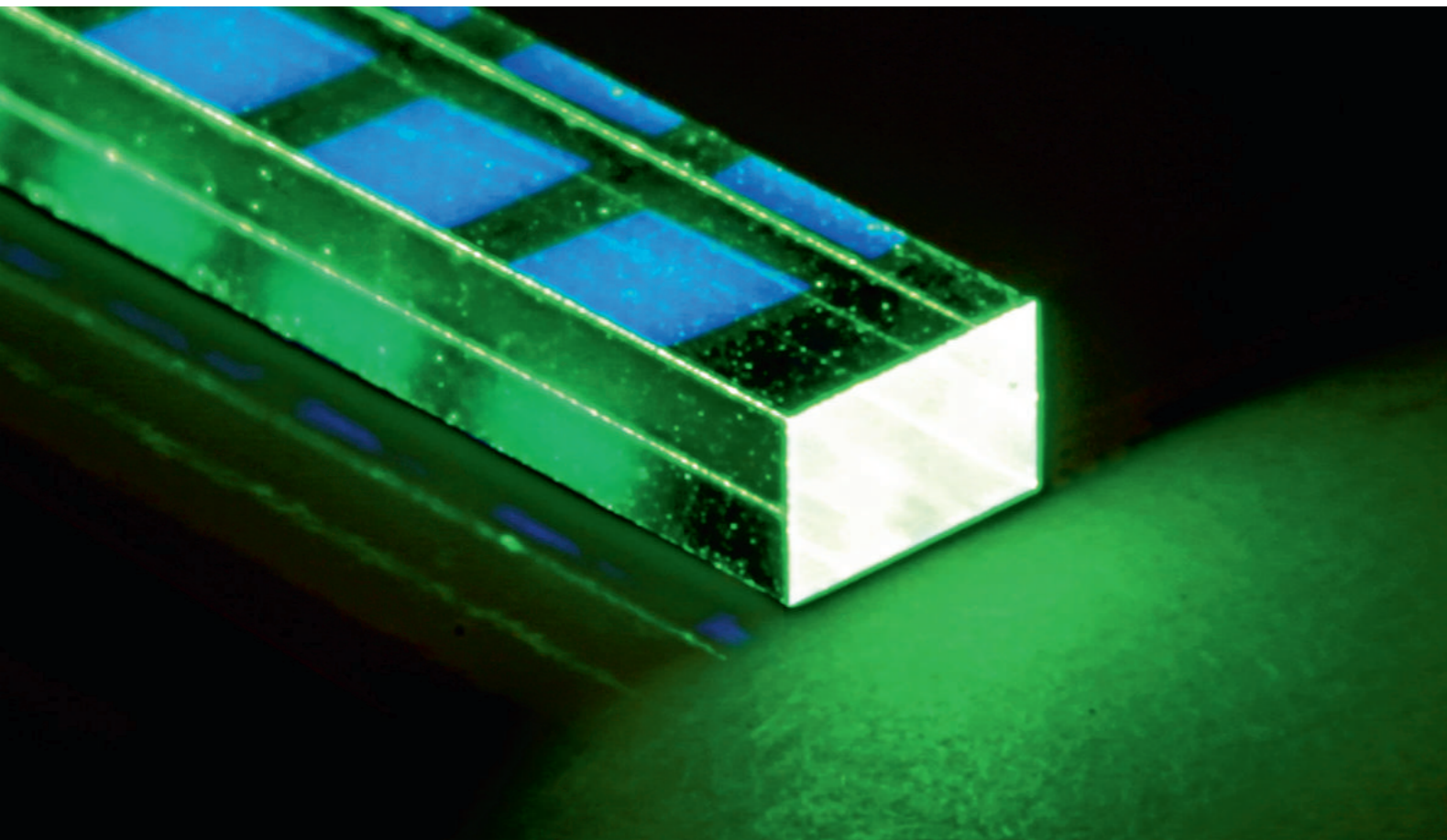


**Hassle free, easy to use**



**Instant ON/OFF**

**Perfect etendue match** between light source and panel



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