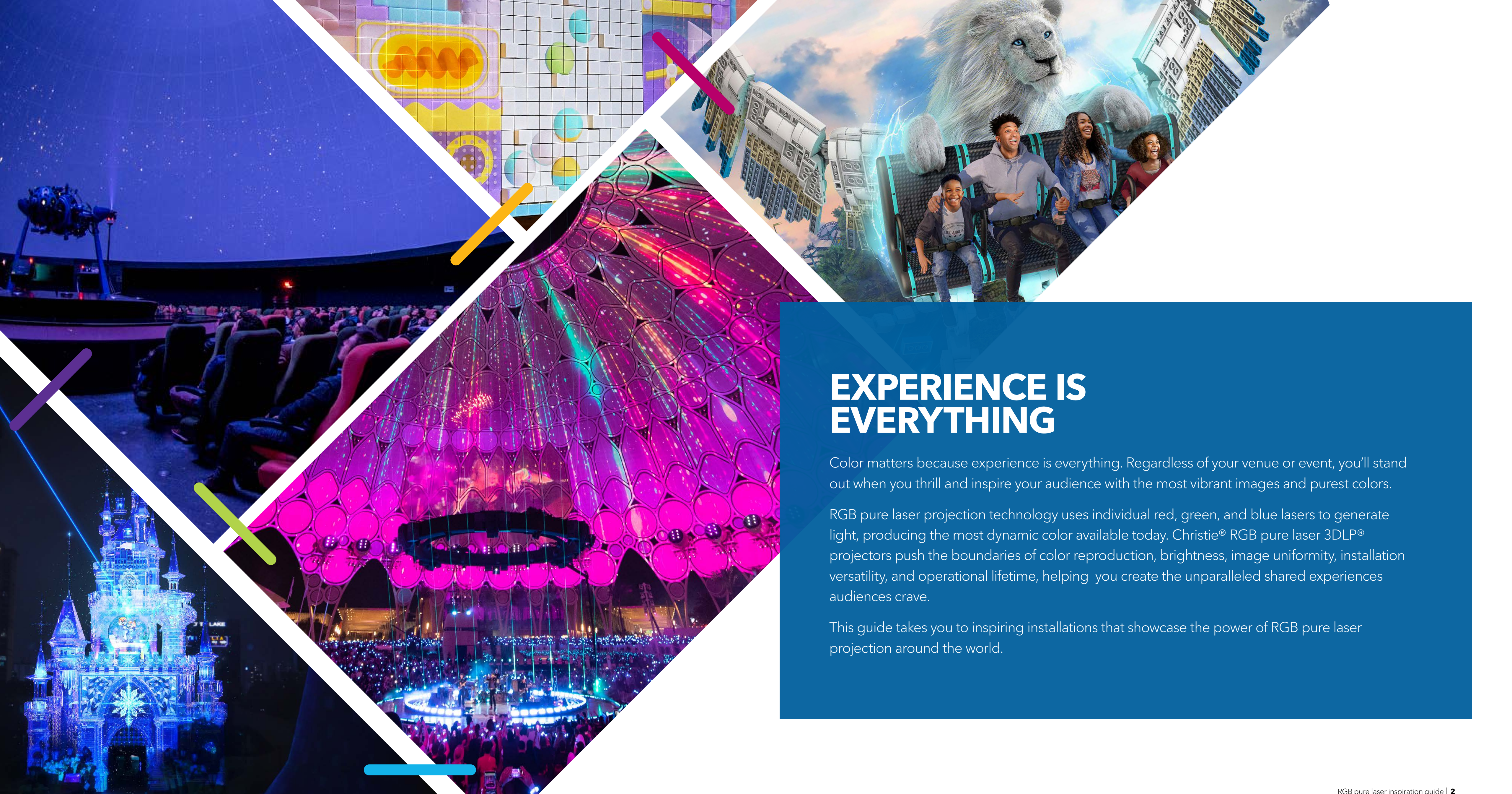




LET'S INSPIRE

Discover the power of Christie RGB pure laser projection

CHRISTIE®



EXPERIENCE IS EVERYTHING

Color matters because experience is everything. Regardless of your venue or event, you'll stand out when you thrill and inspire your audience with the most vibrant images and purest colors.

RGB pure laser projection technology uses individual red, green, and blue lasers to generate light, producing the most dynamic color available today. Christie® RGB pure laser 3DLP® projectors push the boundaries of color reproduction, brightness, image uniformity, installation versatility, and operational lifetime, helping you create the unparalleled shared experiences audiences crave.

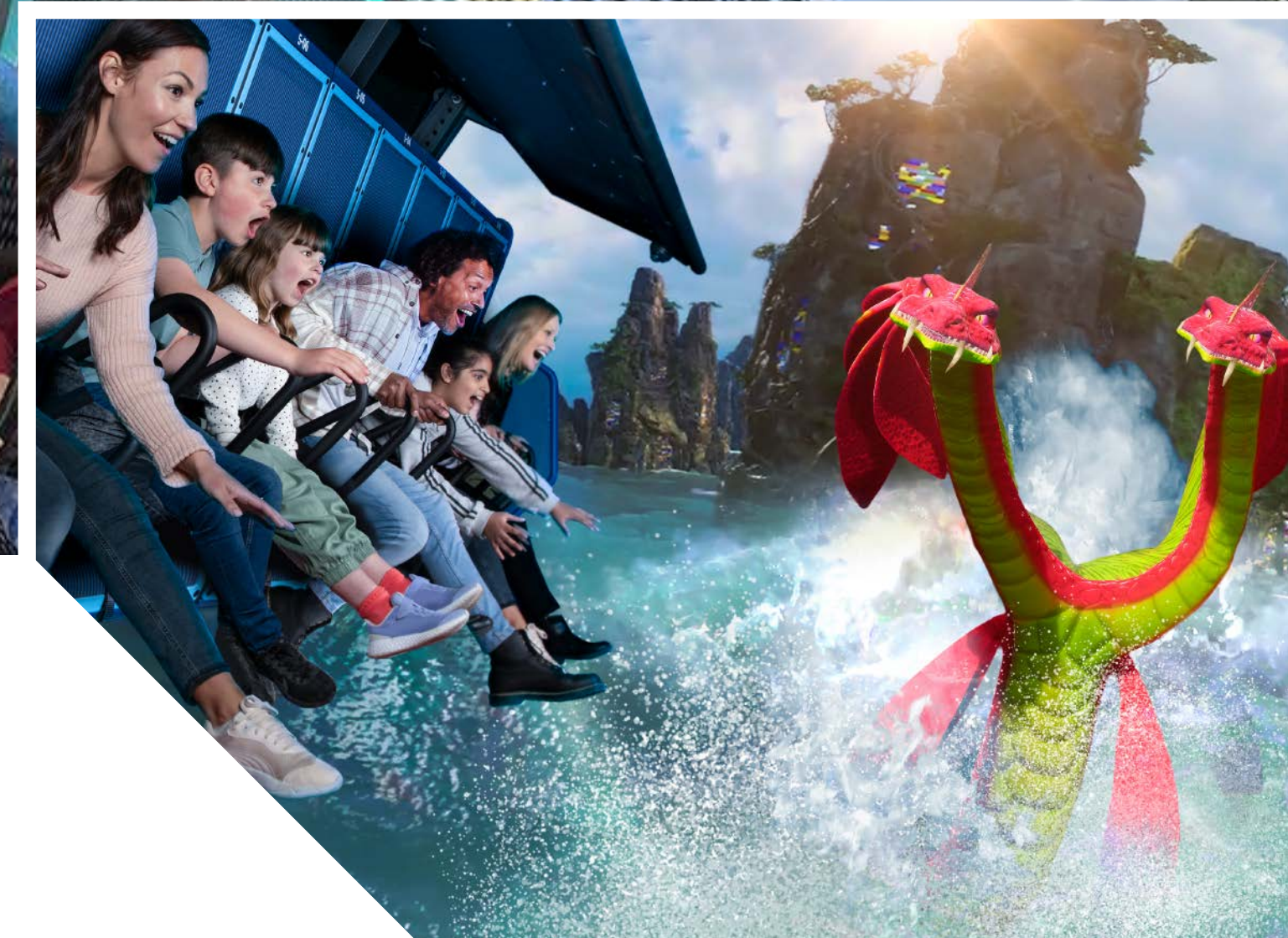
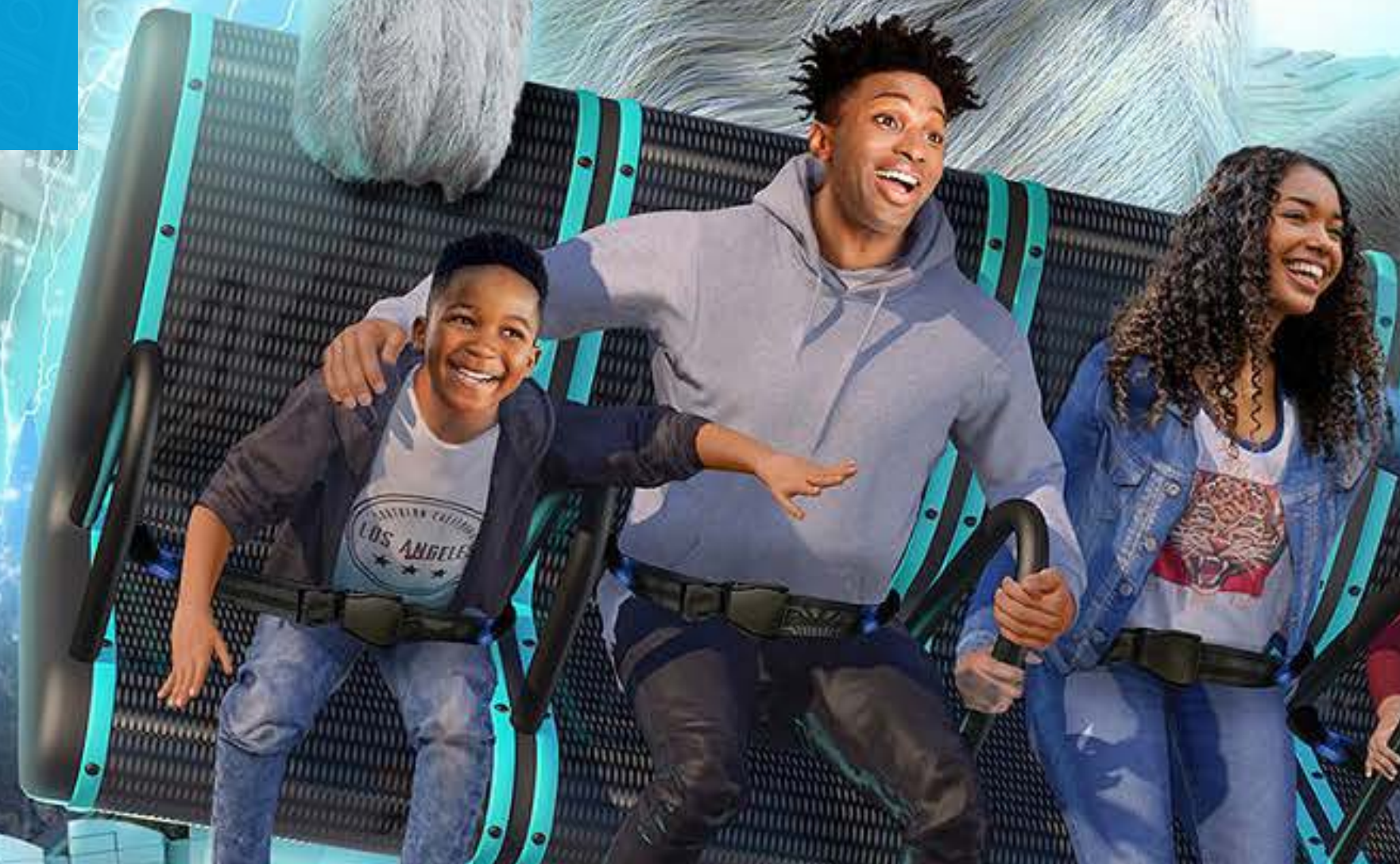
This guide takes you to inspiring installations that showcase the power of RGB pure laser projection around the world.

LEGOLAND WINDSOR RESORT

WINDSOR, UNITED KINGDOM

Inspired by children's imagination, the Flight of the Sky Lion star attraction at LEGOLAND® Windsor Resort transports visitors to the imaginary land of 'Mythica: World of Mythical Creatures' where Lego creatures like the two-headed Hydra and Fire and Ice Bird come to life. This exhilarating flying theatre ride, the first of its kind in the UK, features a single Christie® D4K40-RGB pure laser projector at the top of a huge 65 x 65' (20 x 20m) spherical dome with content projected onto the concave screen.

✓ Photos courtesy of LEGOLAND® Windsor Resort



PROJECTOR

1 D4K40-RGB

[CHRISTIE PROFESSIONAL SERVICES](#)

Design and specification phase: modeling lifetime costs for various projection solutions and calculating the number of lumens the dome required.

PARTNERS

[Brogent Technologies](#)

AL WASL PLAZA

EXPO 2020 DUBAI

Standing at 221' (67.5m) tall and 427' (130m) in diameter, the Al Wasl Plaza dome is a stunning feat of art and engineering. At dusk, the dome's shade structure becomes the ultimate canvas for immersive visual experiences where 252 Christie® D4K40-RGB pure laser projectors illuminate shows designed to entertain, engage, and inspire visitors. Visible from both inside and outside, the inimitable 273,190ft² (25,380m²) Al Wasl Plaza is the largest 360-degree projection surface in the world.

The 'beating heart' of Expo 2020 Dubai, Al Wasl Plaza has won award after award for its mind-blowing nighttime spectacles where 11 million lumens (equal to 7,000 light bulbs!) left every visitor in awe and kept them coming back for more during the six-month event. Al Wasl Plaza will live on as the Expo site evolves into Expo City Dubai which opens in October 2022.



Photos courtesy of Expo 2020 Dubai

PROJECTORS

252 D4K40-RGB

INTEGRATED SOLUTIONS

[Conductor](#) software for advanced monitoring and control of Christie 3DLP® projectors

[CHRISTIE PROFESSIONAL SERVICES](#)

System design consulting and technical support

PARTNERS

[Creative Technology Middle East](#)
Adrian Smith + Gordon Gill Architecture
Jacobs Nace

MEGABOX CINEMAS

SEOUL, SOUTH KOREA

Giving audiences the most realistic and lifelike visuals was a priority for Megabox, the third-largest cinema chain in South Korea, when they updated the projection systems of its flagship Megabox COEX multiplex in Seoul. It's why they chose state-of-the-art Christie® [CineLife+™](#) and [CineLife™ Series](#) RGB pure laser cinema projectors that feature [RealLaser™ illumination technology](#). Key criteria in their decision? Outstanding color and contrast, high efficiency, long operational life, and a small footprint. To deliver those incredible visuals, Megabox selected CP4440-RGB projectors for their premium large-format (PLF) auditoriums, CP4430-RGB and CP4420-RGB projectors for their mainstream auditoriums, and CP2309-RGB projectors for their smaller auditoriums.

PROJECTORS

[CP4440-RGB](#)

[CP4430-RGB](#)

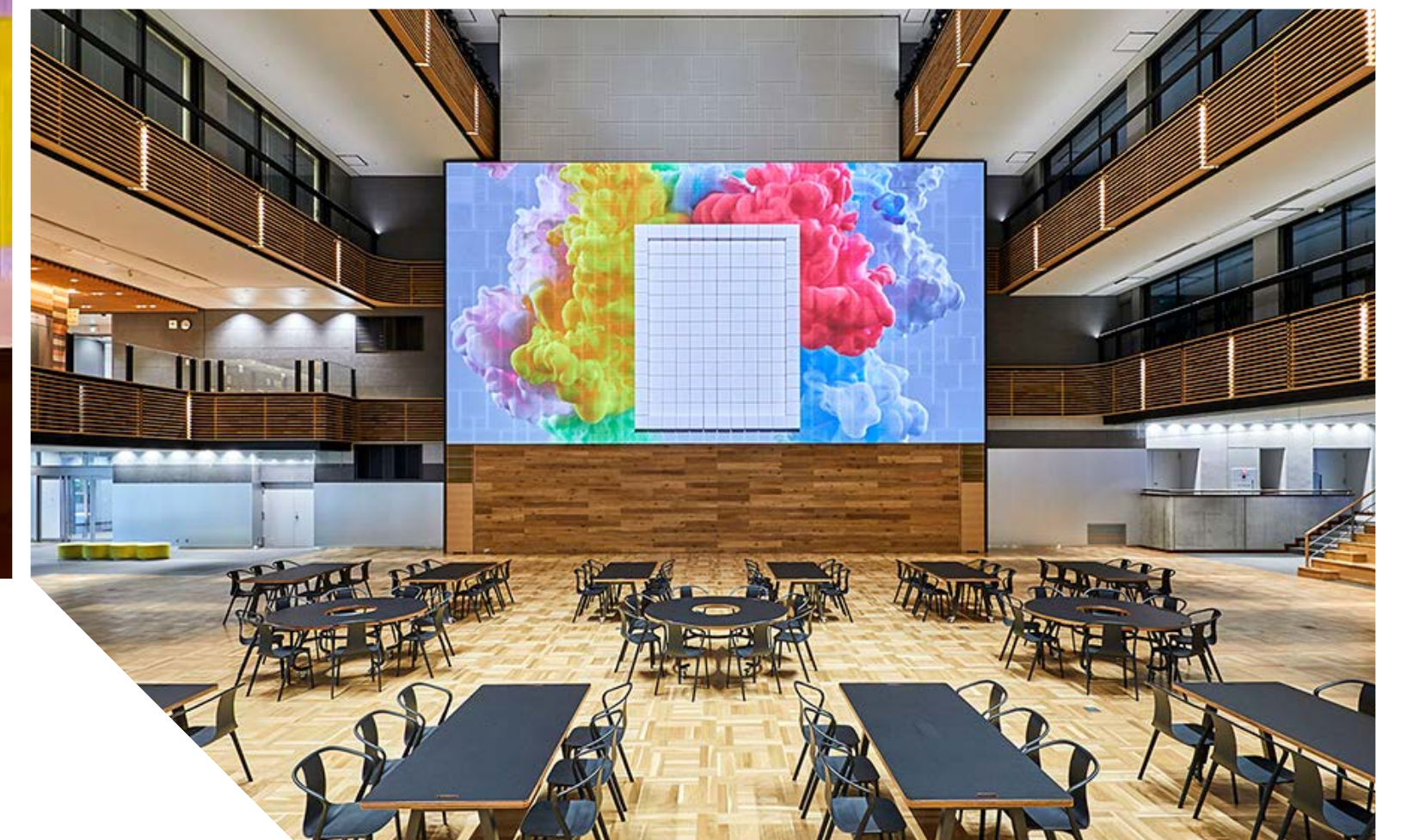
[CP4420-RGB](#)

[CP2309-RGB](#)



KOGAKUIN UNIVERSITY TOKYO, JAPAN

To showcase their faculty's work and creativity, Kogakuin University created a 'kinetic wall' in their Shinjuku Atrium. Measuring 52.5' (16m) wide and 27ft (8.5m) high, the kinetic wall features 180 modular cubes programmed to move back and forth individually. Using a Christie® D4K40-RGB pure laser projector for large-scale 3D projection mapping and data visualization on the highly dynamic surface, the university found it produced an astounding depth of detail and maintained brightness even in well-lit conditions. The high-quality projections empower creative expressions, live-streaming events, and digital art competitions, and inject new life and energy into the university's renewed Shinjuku campus.



PROJECTOR

1 D4K40-RGB

PARTNERS

[Ushio Lighting Inc.](#)
[CIMA Co., Ltd.](#)
[P.I.C.S. Co., Ltd.](#)

MACKAY ENTERTAINMENT AND CONVENTION CENTRE (MECC)

BRISBANE, AUSTRALIA

Known as the largest convention and banqueting facility between Cairns and Brisbane, MECC is the Mackay Region's premier entertainment and performing arts venue. Its facilities include a 1,000-person main theatre fitted with a Christie Griffyn 4K32-RGB® pure laser projector that delivers vivid projections on a 33' (10m) screen. With clients ranging from multinational mining companies to local dancing schools, each with unique visual requirements, MECC needed an advanced, reliable, and easily serviceable projection system that could also serve them well into the future. "We're impressed with the Griffyn 4K32-RGB for its high-brightness output, as well as its astounding color reproduction that enhances the audience experience," says Mark Blake, head of AV at MECC. that showcases Ushio's history, products, employees, and community in ways that leave a lasting impression on all.

PROJECTOR

1 [Griffyn 4K32-RGB](#)

PARTNERS

[Diversified Australia](#)



BOGOTÁ PLANETARIUM

BOGOTÁ, COLOMBIA

The 376-seat Bogotá Planetarium is now Latin America’s most advanced theatre of its kind, thanks to its upgrade to two Christie Griffyn 4K32-RGB® pure laser projectors controlled by two sets of Pandoras Box® Manager and Server.

“Given that the majority of productions aimed at planetariums come in 4K resolution, we were obviously looking at 4K projectors, but we also wanted an environmentally friendly solution that would have a longer-lasting light source and be more energy-efficient. And Griffyn gives us all those things,” explains Carlos Molina, planetarium coordinator. “And on top of that, it also gives us brighter colors, better contrast, and more powerful brightness to cover our 75’ (23m) dome – [it’s] three times brighter than our old system.”

PROJECTORS

2 [Griffyn 4K32-RGB](#)

PARTNERS

[Bigvideo SAS](#)
[Merge](#)
AV Design

INTEGRATED SOLUTIONS

[Mystique Large Scale Experience Edition](#) software provides multi-camera warping and blending on complex surfaces

[Pandoras Box Version 8](#) software license with Pandoras Box Manager and Server for media playback

[Widget Designer](#) for dedicated user interfaces and customized show control



WUXI BIG WORLD CINEPLEX

WUXI, CHINA

The Wuxi Big World Cineplex is known for its luxuriously furnished auditoriums and plush seats. With the addition of Christie® 2K RGB laser cinema projection systems, it's now also known for highly engaging cinematic experiences. Christie CP2320-RGB and CP2315-RGB projectors power nine of the flagship's multiplex screens, offering the lowest total cost of ownership in their class. The projectors feature Christie RealLaser™ illumination technology that provides more than 75,000 hours of optimal performance before dropping to 50% brightness. Both models deliver more than 95% of the Rec. 2020 color space, resulting in rich, deep, intense colors and contrast that create astounding onscreen visuals. For their smaller screen, WUXI Big World Cineplex chose the high-value CP2310-RGB_e, a projector specifically developed to give exhibitors with screens up to 39' wide an advanced yet affordable digital cinema option.

PROJECTORS

- [CP2320-RGB](#)
- [CP2315-RGB](#)
- [CP2310-RGB_e](#)



LOTTE WORLD MAGIC CASTLE

SEOUL, SOUTH KOREA

When the team at Lotte World’s Seoul theme park wanted to wow guests with a nighttime spectacular, they chose their most famous landmark – a 134.5’ (41m) tall Magic Castle – as the canvas. To pull it off at a level guests expect from Lotte World, they opted for a fully integrated solution that includes multiple Christie® D4K40-RGB pure laser projectors, auto-alignment software, image processing technology, and SDVoE solutions. Magic Castle Lights Up, the spellbinding, six-minute, daily 3D multimedia projection mapping show dazzles guests and creates the illusion of a moving castle that morphs into numerous forms and brings the theme park’s most beloved characters to life.

PROJECTORS

3 D4K40-RGB

INTEGRATED SOLUTIONS

Mystique™ Large Scale Experience Edition software provides multi-camera warping and blending on complex surfaces

2 Pandoras Box® Servers for state-of-the-art rendering and intuitive media and show control

Widget Designer for dedicated user interfaces and customized show control

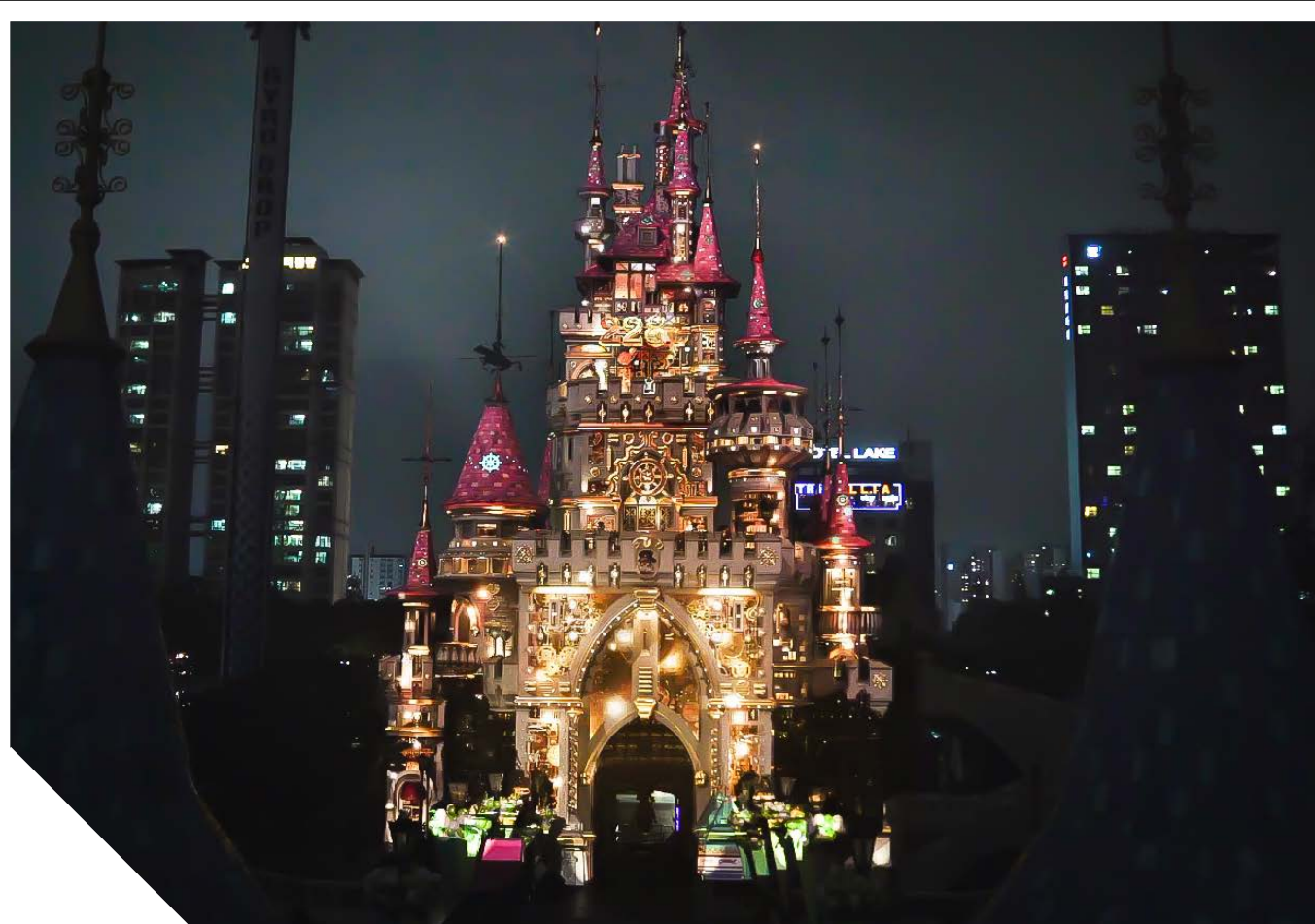
3 Terra® Transmitters deliver uncompressed, zero-frame latency, artifact-free content over 10G networks

3 Terra Receivers deliver AV data and control from the SDVoE system to displays and other devices

PARTNERS

Star Networks
d'strict

^ Photos courtesy of d'strict



INFINITY DOME, TELUS SPARK SCIENCE CENTRE CALGARY, CANADA

To transport guests into outer space and show the latest large screen films, the TELUS Spark Science Centre chose eight Christie Griffyn 4K32-RGB® pure laser projectors for the Infinity Dome, an accessible three-story dome theatre. The planetarium project team was looking for a digital projection system capable of providing very high levels of brightness, vivid colors, and quiet operation. After a shoot-out between various solutions, they decided the Griffyn 4K32-RGB was the only projector that answered these requirements. The dome now delivers the brightest on-screen image of any planetarium in North America, with 272,000 lumens illuminating the massive screen in 8K resolution.

“When you’re in the dome and you see eight 34,000 lumen projectors at the same time perfectly calibrated, it’s mind-blowing,” says Philippe Giron, Account Manager, Solotech.

PROJECTORS

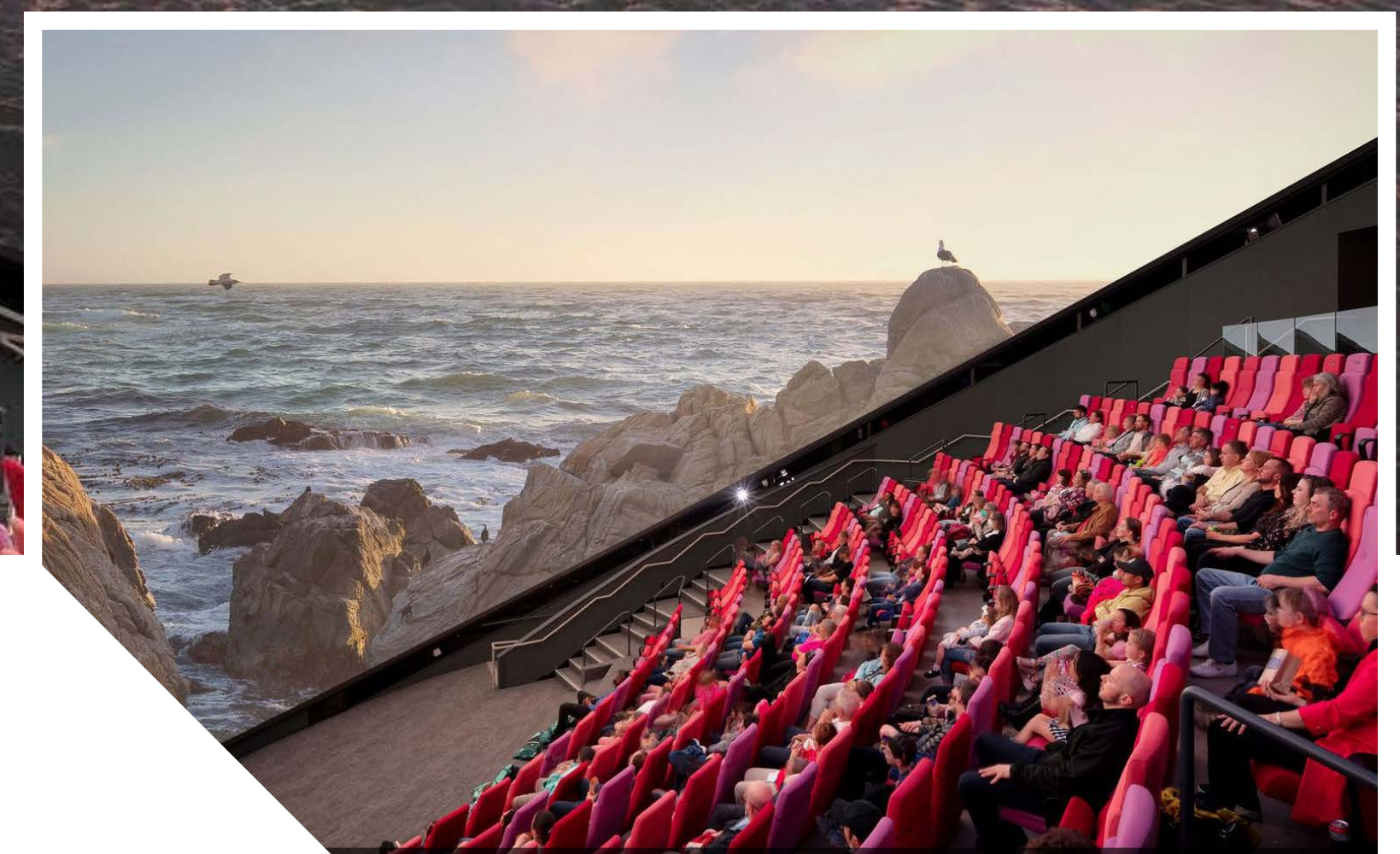
8 [Griffyn 4K32-RGB](#)

PARTNERS

[Solotech](#)
[RSA Cosmos – Konica Minolta](#)



◀ Photo courtesy of TELUS Spark Science Centre, The Infinity Dome, Calgary, Canada. © Eymeric Widling



TIFF

TORONTO, CANADA

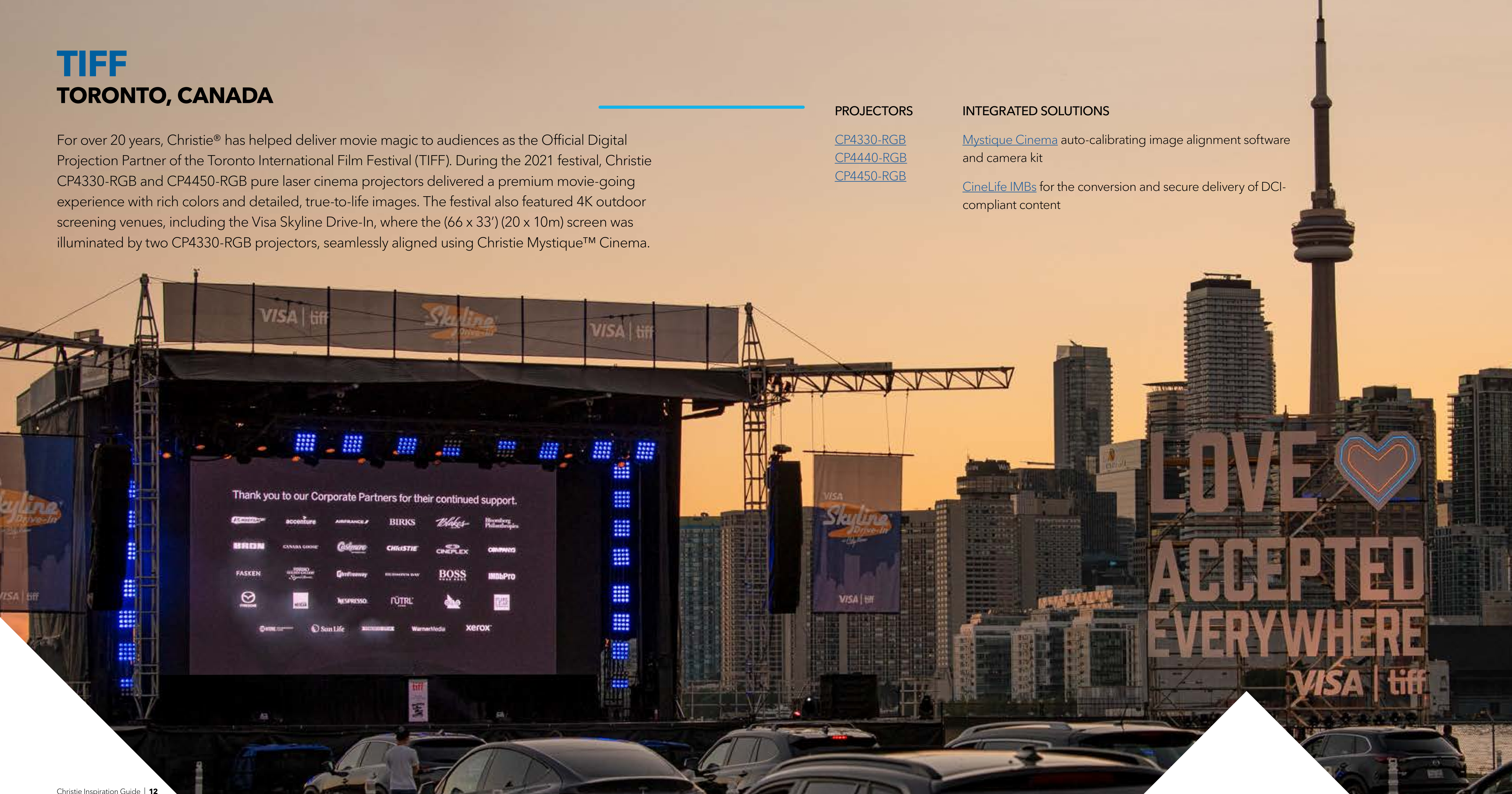
For over 20 years, Christie® has helped deliver movie magic to audiences as the Official Digital Projection Partner of the Toronto International Film Festival (TIFF). During the 2021 festival, Christie CP4330-RGB and CP4450-RGB pure laser cinema projectors delivered a premium movie-going experience with rich colors and detailed, true-to-life images. The festival also featured 4K outdoor screening venues, including the Visa Skyline Drive-In, where the (66 x 33') (20 x 10m) screen was illuminated by two CP4330-RGB projectors, seamlessly aligned using Christie Mystique™ Cinema.

PROJECTORS

- [CP4330-RGB](#)
- [CP4440-RGB](#)
- [CP4450-RGB](#)

INTEGRATED SOLUTIONS

- [Mystique Cinema](#) auto-calibrating image alignment software and camera kit
- [CineLife IMBs](#) for the conversion and secure delivery of DCI-compliant content



GLOW

EINDHOVEN, NETHERLANDS

The 2021 iteration of GLOW, titled 'Moved by Light,' shone brighter than ever as it delivered an inspiring experience for revelers to enjoy. For the 'Domas Luma' exhibit, renowned international artists Yann Nguema and Arnaud Doucet combined projection mapping, light, laser, and audio elements at the 19th-century Augustijnenkerk (church). Using eight Christie Griffyn 4K32-RGB® pure laser projectors and two Pandoras Box® media servers, the team projection-mapped content onto the unique hand-built façade of the former church, comprising of 50,000 stones. Yann Nguema made use of his own custom software, and carefully mapped out each individual stone to allow the content to create a striking 3D effect.

"People see a much more vibrant image over a standard lamp or laser phosphor projector," says Robin van der Heiden, sales manager, Sahara Benelux. "We also felt that you see much more light with RGB laser, so it almost felt like it was 400,000 ANSI lumens mapping onto the church, instead of about 250,000."

PROJECTOR

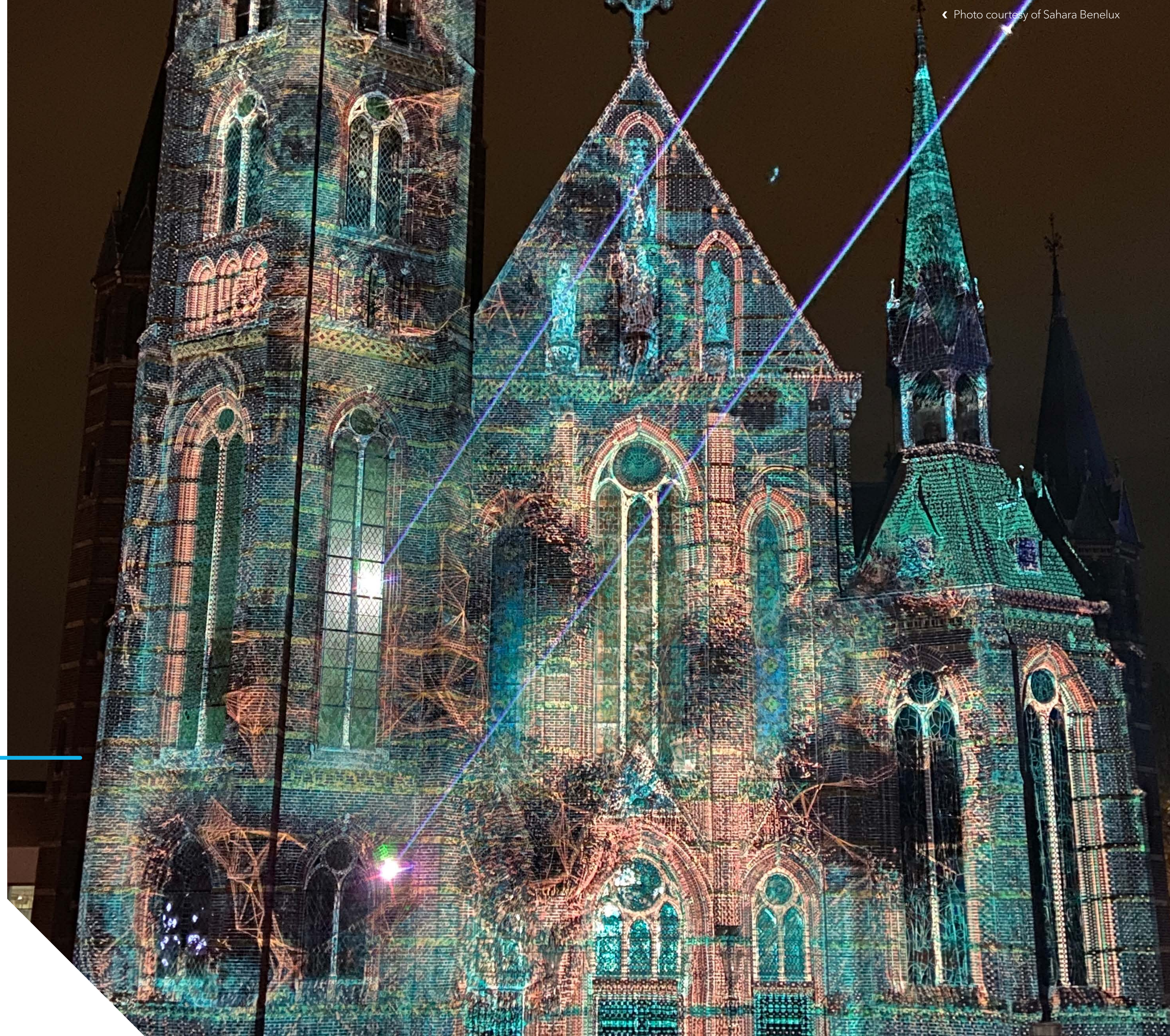
8 [Griffyn 4K32-RGB](#)

INTEGRATED SOLUTIONS

2 [Pandoras Box Servers](#) for state-of-the-art rendering and intuitive media and show control

PARTNER

[Sahara Benelux](#)





WILDERNESS RESORT

WISCONSIN DELLS, USA

At Wisconsin's Wilderness Resort, guests get a unique aerial view of US National Parks, national landmarks, and the Wisconsin Dells aboard the new FlyRide® 'Take Flight' aerial adventure ride developed and installed by SimEx-Iwerks.

As the ride begins, the doors open, and guests surge forward, immersed in an immense five-story partial dome, with their feet dangling to create the illusion of flying. Helping build that sense of immersion are four Christie® D4K40-RGB pure laser projectors, chosen for their sharper imagery, better color, and high brightness. They also chose D4K40-RGB projectors for their omnidirectional capabilities, so they could be oriented at abnormal angles to get the proper coverage in the three-dimensional dome. Doug Wildeboer, A/V engineering manager, SimEx-Iwerks explains, "We need to pitch them down and pitch them on their sides. It was absolutely required, and the project would not have been possible with any projector that wasn't omnidirectional."

◀ Photos © 2021 SimEx-Iwerks Entertainment.
All Rights Reserved.



PROJECTORS

4 D4K40-RGB

INTEGRATED SOLUTIONS

[Mystique™ Large Scale Experience Edition](#) software provides multi-camera warping and blending on complex surfaces

PARTNERS

[SimEx-Iwerks](#)

PVR CINEMAS

MUMBAI, INDIA

PVR Cinemas' new drive-in provides a one-of-a-kind moviegoing concept as 290 cars park in an open-air rooftop theater housed on the roof of Jio World Drive, a premium retail mall theatre in downtown Mumbai. The Christie® CP4450-RGB – the brightest, direct-coupled RGB pure laser cinema projector on the market – illuminates the theatre's giant 83.7' (25.5m) wide screen. With an output of 55,000 lumens, the CP4450-RGB is the perfect choice for this outdoor venue.

"We're excited to open our very first drive-in theatre in Mumbai and welcome our patrons to a world-class experiential concept. Christie's CP4450-RGB laser cinema projector, with its incredibly colorful and detailed, true-to-life 4K images, is suitable for an unparalleled outdoor cinema experience," says Ajay Bijli, chairman and managing director, PVR Limited.

PROJECTORS

[CP4450-RGB](#)

PARTNER

[TSR PROVA](#)



GABBAR HILL

GUJARAT, INDIA

PROJECTORS

6 D4K40-RGB

PARTNERS

Rhino Engineers

[Tricolor India Schauspiel](#)

The stories and legends of Ambaji Temple, a sacred shrine in Gujarat, light up the night as the steep slopes of Gabbar Hill provide a natural canvas for an unprecedented 3D projection mapping spectacle.

With six Christie® D4K40-RGB pure laser projectors mounted on two specially constructed projection towers, vibrant and lifelike images are projected onto the 869 x 223' (265 x 68m) surface with 45,000 lumens and 4K resolution. The results are a one-of-a-kind, larger-than-life experience for visitors and pilgrims, taking them on a fascinating journey of this ancient temple.

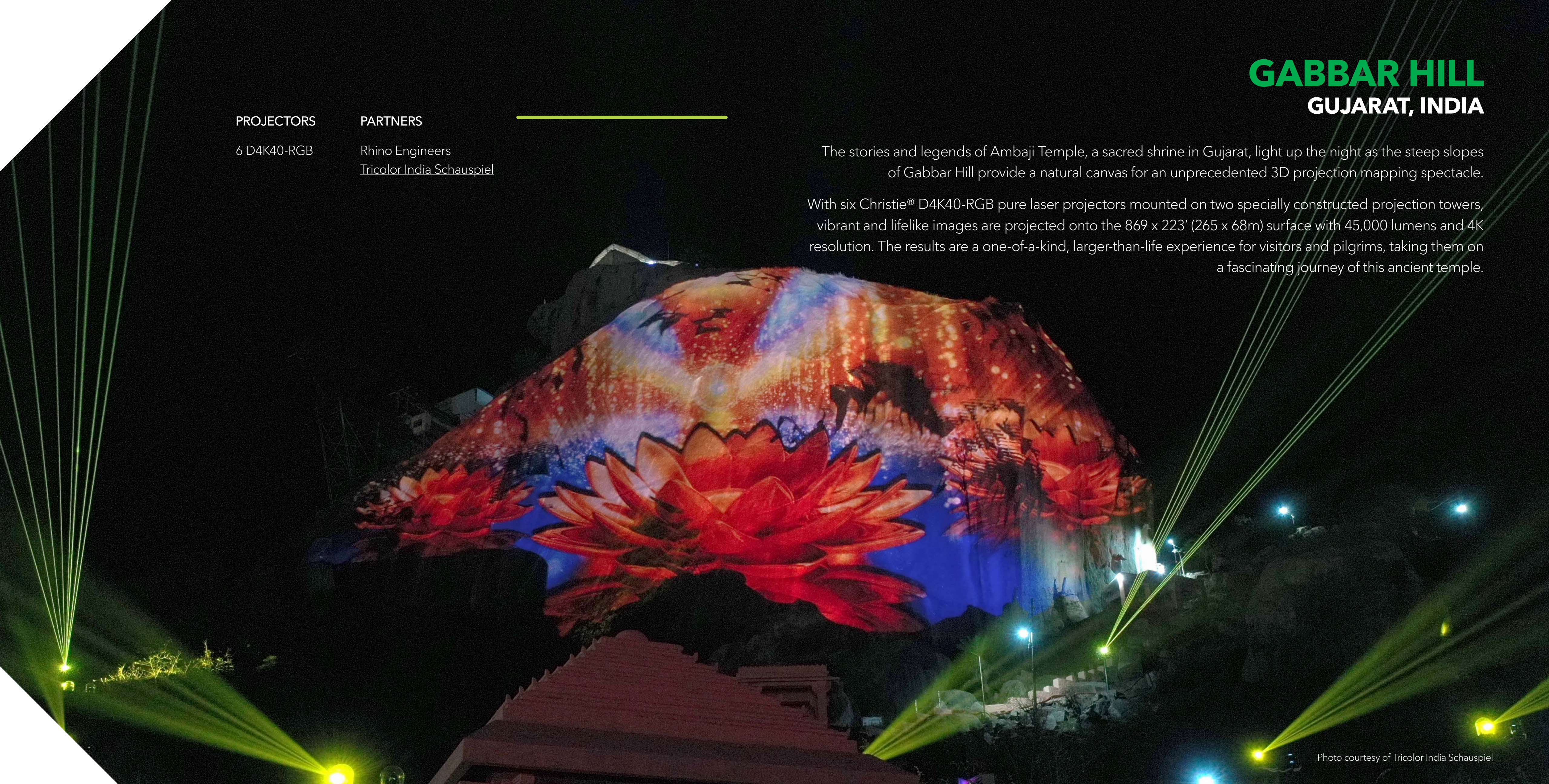


Photo courtesy of Tricolor India Schauspiel

UNITED LAUNCH ALLIANCE'S (ULA) DELTA IV HEAVY ROCKET

CAPE CANAVERAL, USA

To mark the impending launch of ULA's Delta IV Heavy rocket at Cape Canaveral, six all-in-one Christie® D4K40-
RGB pure laser projectors – provided by AV rental expert Nationwide Video – mapped the façade of the nearly
236' (72m) high rocket with the first-ever 3D projection mapping on an operational rocket. The façade of the Delta
IV Heavy – with its combination of even, uneven, curved, and flat surfaces – presented a test for this kind of large-
scale mapping. But PaintScaping, the talented team behind this ambitious and stunning project, was able to bring
rich, vibrant visuals to life with help from the enhanced color saturation, brightness, and contrast that Christie RGB
pure laser projection provides.

PROJECTORS

6 D4K40-RGB

PARTNERS

[PaintScaping](#)
[Nationwide Video](#)

› Photos courtesy of ULA
Projection on rocket façade



INNOVATION IS IN OUR DNA!

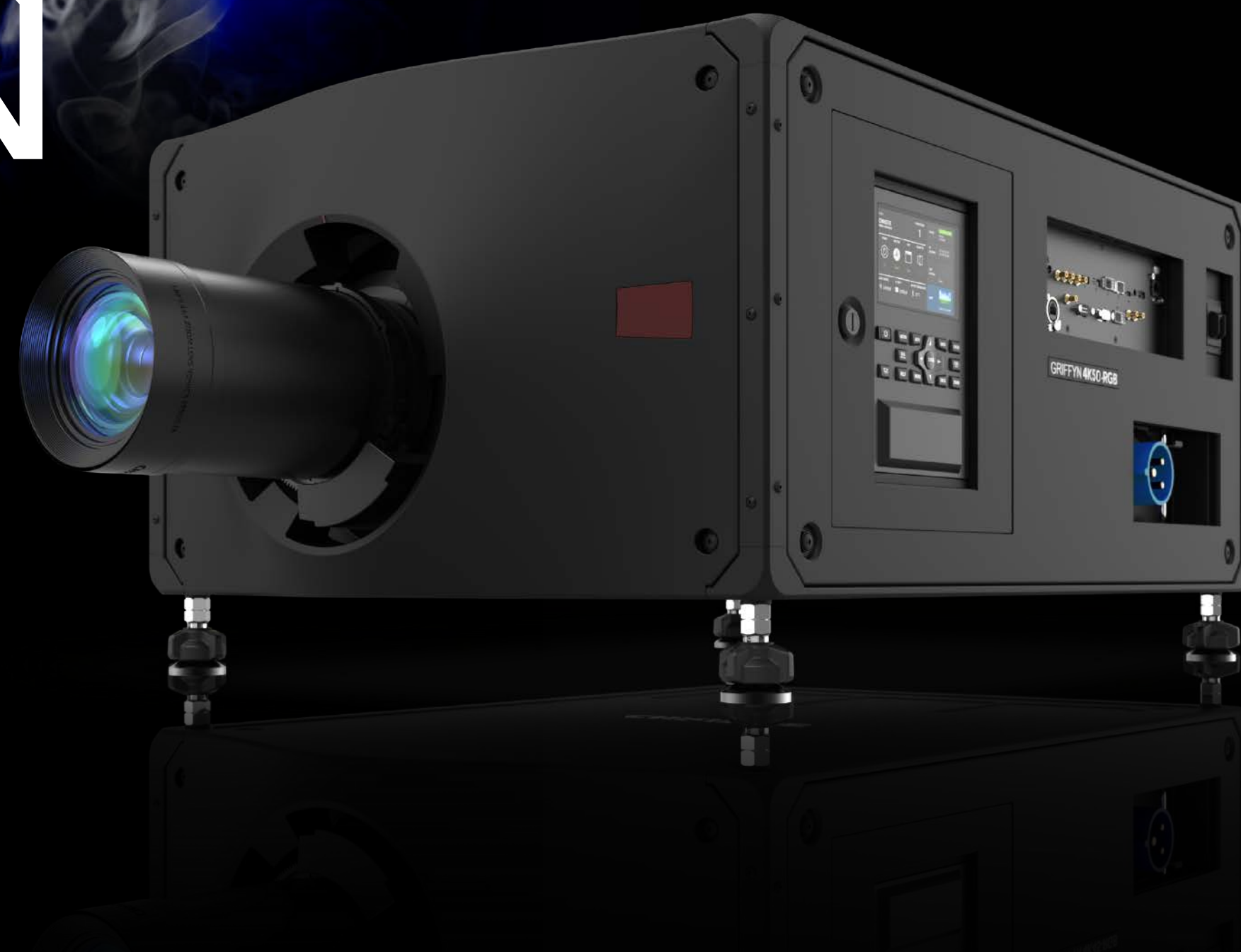
We're always working to enhance and expand our products and solutions to meet your needs.

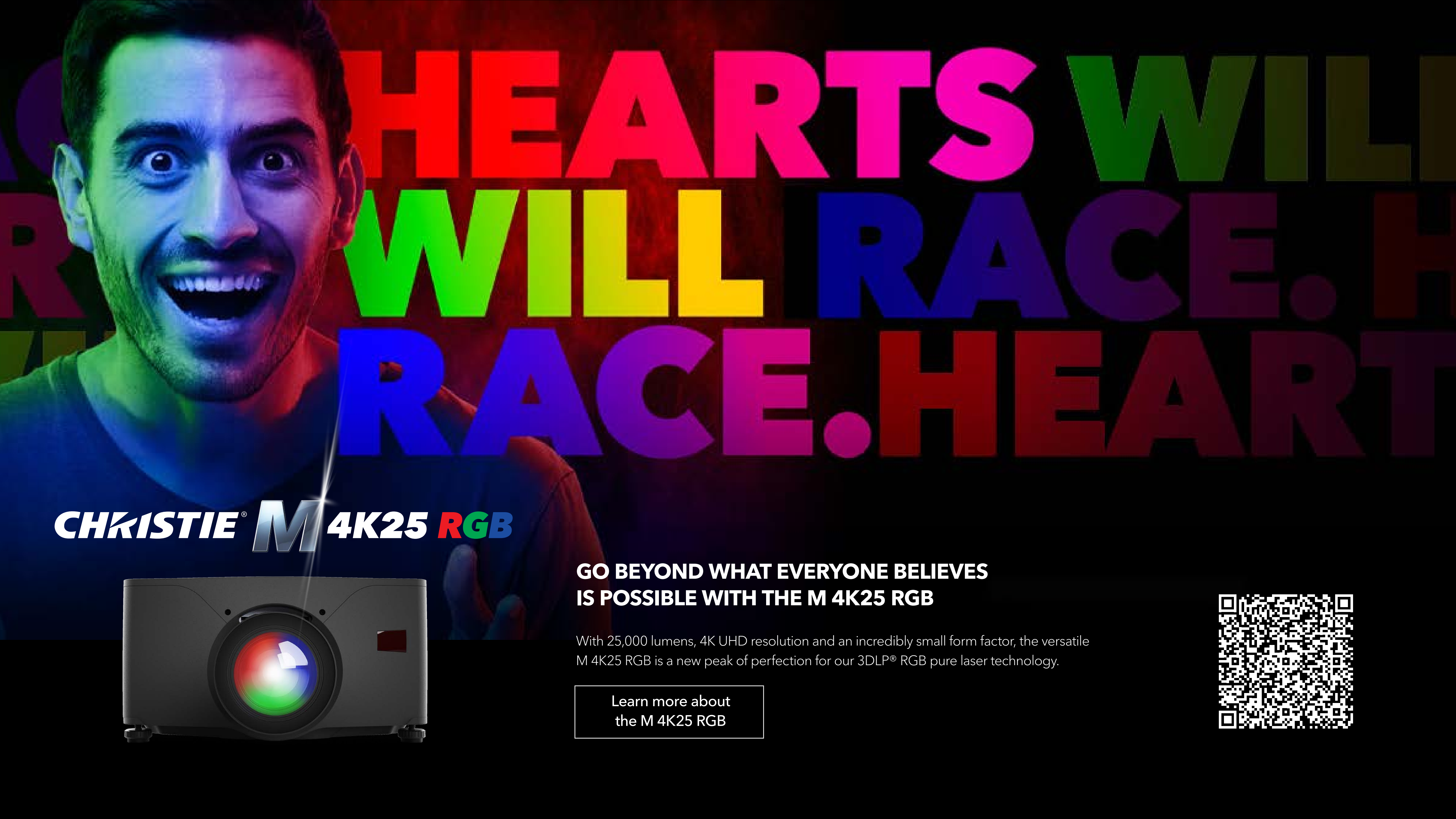
That's why we developed the 50,000-lumen Griffyn® 4K50-RGB to replace the D4K40-RGB. This technological marvel is the lightest, brightest laser projector available today! And taking over from the Griffyn 4K32-RGB is the brighter 36,500-lumen Griffyn 4K35-RGB.

These powerhouse projectors are designed for large-venue applications so you can create truly epic shared experiences.

[Learn more](#)

CHRISTIE® GRIFFYN





HEARTS WILL
WILL RACE. H
RACE. HEART

CHRISTIE® M 4K25 RGB



**GO BEYOND WHAT EVERYONE BELIEVES
IS POSSIBLE WITH THE M 4K25 RGB**

With 25,000 lumens, 4K UHD resolution and an incredibly small form factor, the versatile M 4K25 RGB is a new peak of perfection for our 3DLP® RGB pure laser technology.

Learn more about
the M 4K25 RGB



LET'S
CONNECT

Feeling inspired? Want to discuss a project? Have any questions?

Connect with your Christie representative or [contact us today.](#)



CHRISTIE®

christiedigital.com

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

Copyright 2023 Christie Digital Systems USA, Inc. All rights reserved. Our centers of excellence for manufacturing in Kitchener, Ontario, Canada and in Shenzhen, China are ISO 9001:2015 Quality Management System-certified. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. "Christie" is a trademark of Christie Digital Systems USA, Inc., registered in the United States of America and certain other countries. DLP® and the DLP logo are registered trademarks of Texas Instruments. Performance specifications are typical. Due to constant research, specifications are subject to change without notice.
CD4219-RGB-Laser-Inspiration-Guide-Jan-24-EN

