



**PHILIPS**

Professional lighting

Sports and area



Faster,  
higher,  
**stronger**



## Spotlight on our **shining stars**

Our stars on the tracks train so hard, as much as six hours a day and six days a week, often fighting physical limitations to put in their best. The right light can keep the athletes focused on their goal: to be faster, higher and stronger.

When it's time for them to shine, these stars deserve nothing but the best lighting. Best-in-class lights so clear that sportsmen can see and play at their best. Lights so vivid, showcasing the stars in their full glory. Lights so theatrical and interactive, that fans keep wanting to come back for more.

This is the unique lighting experience that Philips aims to create for you and your sports venue. One that is going to be worthy of the stars.



# Radiating with emotions and energy

Interactive and theatrical





# Worthy of the world's attention

HDTV broadcasting quality  
and flicker-free slow motion



The right lighting is important, not just for players and spectators at the venue, but also for those watching the games via a live telecast or online streaming.

Technology-leading LED Arena lights from Philips can transform an ordinary game into an action-packed event worth broadcasting to the world in full precision. With perfect visibility on the pitch, players can deliver a peak performance. Thanks to flicker-free lights, professional cameras can capture every sprint, kick and dive in slow-motion. Delivering broadcast-quality footage for the world to cheer for. Enabled by architectural lighting and floodlights, the atmosphere is further enhanced, turning the arena into a world-class stage capable of hosting the best in sports and entertainment.

This is how 'Lights, Camera and Action' can come alive to create an unforgettable experience for all.





We'll do the  
**hard work for you**

At Philips, our professional teams work with some of the most renowned architects to light up sports venues and stadiums around the world. But what's most important to us is that we work with you and for you, giving you advice and recommendations, making sure our lighting solutions are the best match for your needs.

Whether this is a lighting brief for a national or an international event or facility, you can count on us to make it happen for you in the most systematic way.

**Quality and Expertise** – Your lighting needs could be simple or uniquely challenging, and our experienced team is here to recommend only the best and the most suitable portfolio, ensure quality standards are met and bring in the right expertise needed to deliver, install and commission the full suite of lighting solutions.

**Flexibility** – With beautiful designs, programmable scene settings and interactive solutions, any sports venue can become entertaining and multi-functional instantly. This raises its potential to host more events and contribute to higher revenues.

**Greater customer appeal** – With lighting that enhances the atmosphere, spectators and concert-goers are inspired to be at the venue earlier, to stay longer and enjoy the facilities. As the visitors make use of the retail and F&B joints, they become the best advocates spreading the word around on how much they have enjoyed being here.

**Sustainability** – Highly-powered venues do not have to clock in higher energy use. Energy-efficient LED lighting solutions can give you significant energy savings, reduce the need for luminaire maintenance and replacement, and saving you operational costs apart from lowered electricity bills.

**Higher ROI** – When your top-line revenues surge while bottom-line costs are lowered, this allows a higher return on investment and reduced running costs. All of these can be achieved with the right level of support and the right portfolio from Philips.



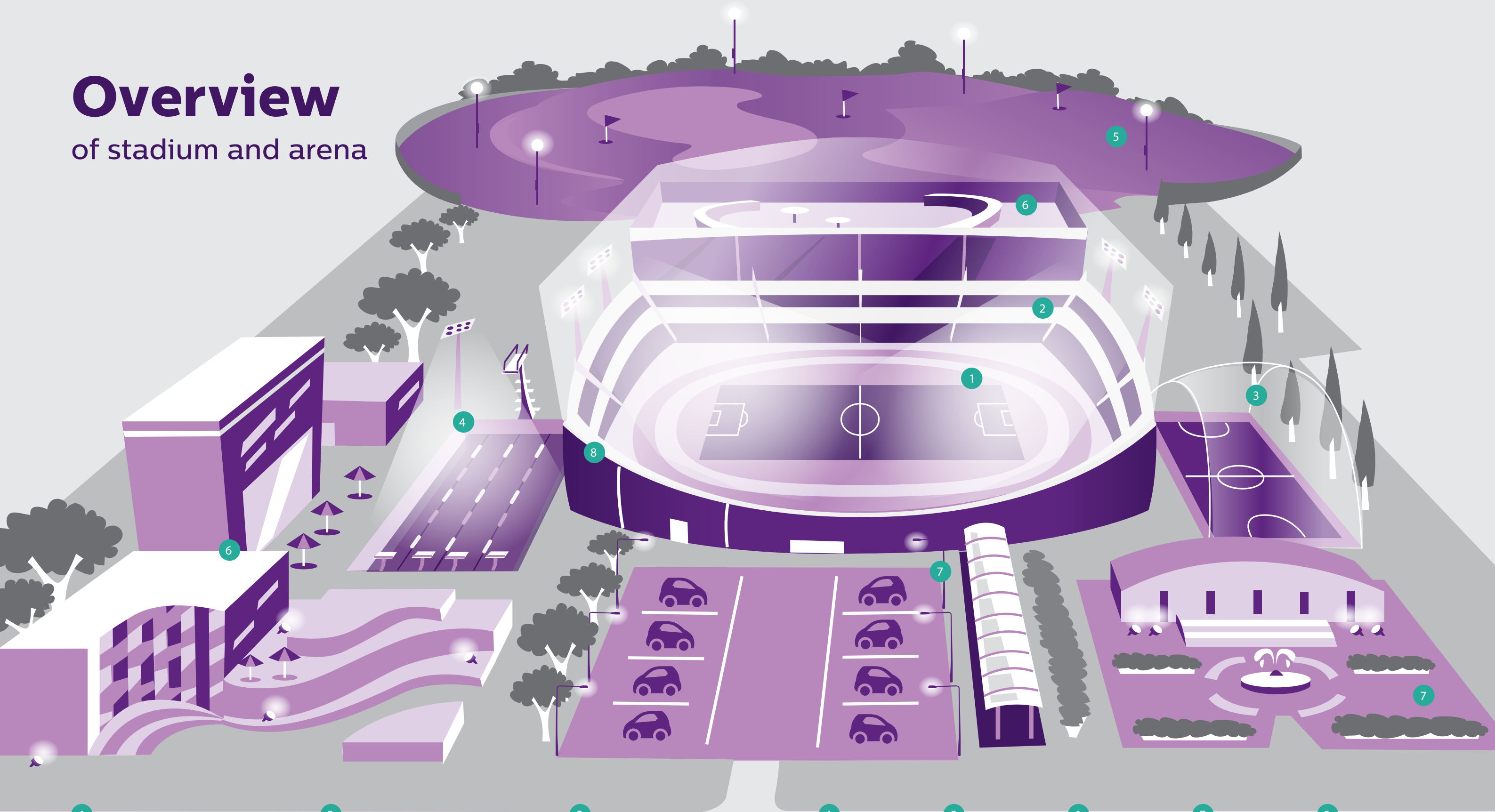
# Future-proof lighting solutions





# Overview

of stadium and arena



1 Pitch and playing arena



2 Stands and spectators area



3 Sports and recreational hall



4 Swimming pools



5 Golf course



6 In the arena



7 Outdoor area and landscape



8 Architectural and media façade





# Pitch and playing arena

Focus on the action

The games area is where the magic happens, but it takes a careful balance of light to make the event enjoyable for everyone. Too much light can disturb the players, while too little light will make it harder for the spectators to watch and follow the action.

ArenaVision LED floodlights let you choose the right lighting levels for the occasion, pleasing fans both at home and in the venue. Flicker-free floodlights make it possible for cameras to capture the action for slow-motion replays. To jazz up live concerts and other performances, you can easily and instantly change and synchronize the lighting scenes with just the touch of a button.



ArenaVision  
LED Floodlight



# Stands and spectators area

Create waves of excitement for the fans

Nothing compares to the thrill of watching a game or a concert live. High-quality lighting is key to delivering this exciting atmosphere. With Philips LED lighting ensuring real-time and broadcast-ready footage, the same atmosphere can be delivered to the viewers watching the telecast at home.

At the push of a button, you can create awe-inspiring light shows, easily switching between different configurations and special effects. You can also connect an external lighting controller to the ArenaVision LED control system for a full integration of the floodlights in a lighting show. Imagine surrounding your spectators with a lighting atmosphere that gets them into the spirit of the event, encouraging them to come back for more.



ArenaVision  
LED Floodlight



OptiVision  
LED Floodlight



Tango G2  
LED Floodlight



# Sports and recreational hall

All eyes on the game

Lights should always blend in with the arena, and liven up the atmosphere without disrupting the game. When the players look up to catch the ball, ArenaVision LED lighting puts the spotlight on the ball clearly, yet with minimal glare and very little heat. Players and spectators alike can focus on the game, while sports photographers can take delight in capturing slow-motion frames under the flicker-free LED lights.

With the right lighting controls worked in, your indoor halls can spot the latest and most advanced lighting system that is also a breeze to operate. Be it for a badminton tournament or an indoor concert, light levels can be adjusted or dimmed down to achieve the most suitable effects to accompany the event. Making your venue multi-functional to suit all purposes.



ArenaVision  
LED Floodlight



OptiVision  
LED Floodlight



ClearFlood  
Maxi Floodlight



Tango G2  
LED Floodlight





# Swimming pools

Every splash in detail

On your mark, get set, go. With high definition cameras rolling and all eyes on the springboards, pool lights must be strategically placed to distribute the right level of light that's easy on the eyes yet sets the swimming pool in its full brilliance. As the diver attempts to execute a triple somersault, every second of the footage delivered in crystal-clear, slow-motion replay will ensure you don't miss out on any of the action.



ArenaVision  
LED Floodlight



OptiVision  
LED Floodlight



ClearFlood  
Maxi Floodlight



# Golf course

Lights fit to a tee



Go long or go home, as some would say when it comes to a good game of golf. In competitive golf especially, there's the added dimension and determination to beat other professional players with a glorious win. Serious golfers love to dominate on a serious golf course, put together not just with a first-class lawn but also the best in lighting, according to strict international standards. Reducing glare to a minimum, boosting comfort to the eyes and making twilight putting an enjoyable experience, the right lighting can do wonders for this gentleman's game.



ArenaVision  
LED Floodlight



OptiVision  
LED Floodlight



ClearFlood  
Maxi Floodlight



Tango G2  
LED Floodlight



# In the arena

Pump up excitement in stores and suites

Retail and hospitality lighting brings the excitement of the games into stores and suites. Beautifully lit displays attract spectators to the stores, draw their attention to merchandise and encourage them to buy. Lighting in hospitality suites can match your sponsors' colors, making them feel every inch the VIP. You can also customize your lights for different events, such as press conferences, meetings and parties.

For elegant lighting solutions in stores and suites, use a mix of downlights and spotlighting from our Dim Tone Master LEDbulb and Master LEDspot series. They deliver the impact but with lower maintenance costs and 85% in energy savings.



Master LEDbulb  
Decorative Candle



Master  
LEDspot LV



Essential LED  
Downlight



# Outdoor area and landscape

A lasting impression inside and out

With beautifully-choreographed and dramatic lighting, one can be starstruck long before the event starts and well after it has ended. An iconic stadium can make a lasting impression from afar, drawing crowds and photographers in with its admirable color-changing façade. Spectators are ushered in with the right festive moods, without a need to worry about their parked cars and their safety in and around the arena. They are here to relax and fully immerse themselves in the atmosphere of an unforgettable time.



ClearFlood  
Maxi Floodlight



Tango G2  
LED Floodlight



ColorGraze  
MX Powercore



ColorReach  
Powercore gen2



# Architectural and media façade

Creating instant icons



Sports arenas of today are just as much a star as the top athletes competing inside them. Philips has lit many award-winning and high-profile stadiums and arenas with sustainable and energy-efficient LED lighting. Sculpting these beautiful architectural pieces using the latest color-changing and programmable LED lighting technology, the stadia of today are magnificent not just by day but projected to look a million times more spectacular at night, with their aerial and panoramic night shots fed through satellites and streamed across the world.



Tango G2  
LED Floodlight



ColorGraze  
MX Powercore



iColor Flex  
MX gen2



ColorReach  
Powercore gen2



**Pitch and playing arena**



**Golf course**



**General and zone lighting**



# We've got you covered

As your lighting solutions partner, we aim to give you complete one-stop solutions that can maximize your investment. We can customize our solutions and professional services to meet your specifications, standards and budgets. What's more, we stay ahead of lighting trends to make your venue as multi-functional and as future-proof as possible.

**Stands and spectators area**



**In the arena**



**Carpark (Outdoor)**



**Sports and recreational hall**



**Outdoor area and landscape**



**Carpark (Indoor)**



- |  |  |  |
|--|--|--|
| <br>ArenaVision<br>LED Floodlight | <br>OptiVision<br>LED Floodlight        | <br>ClearFlood<br>Maxi Floodlight |
| <br>Tango G2<br>LED Floodlight    | <br>ColorGraze<br>MX Powercore          | <br>iColor Flex<br>MX gen2        |
| <br>ColorReach<br>Powercore gen2  | <br>Master LEDbulb<br>Decorative Candle | <br>Master<br>LEDspot LV          |
| <br>Master<br>LEDtube             | <br>Essential<br>LED Downlight          | <br>Coreline<br>Waterproof        |

**Swimming pools**



**Architectural and media façade**





# Our shining moments





## Maracanã Stadium Rio de Janeiro, Brazil

To further fan football fever, Philips provided superior lighting to keep the fans excited during the 2014 summer soccer tournament in Brazil. With advanced pitch lighting at five stadia – namely Fonte Nova (Salvador), Castelão (Fortaleza), Arena Pantanal (Cuiaba), Arena da Baixada (Curitiba) and Arena das Dunas (Natal) – HD, 3D and super slow motion replays could be optimized for the benefit of a global audience of more than three billion watching the telecast. For the matches conducted late into the night, players and officials could also see better with pitch lighting simulating daylight. The hero amongst the stadia has got to be the magnificent Maracanã Stadium in Rio de Janeiro, where colorful and dynamic LED lighting adorned the façade, enhancing the atmosphere before, during and after the game. Turning the stadium into an instant landmark for the city.



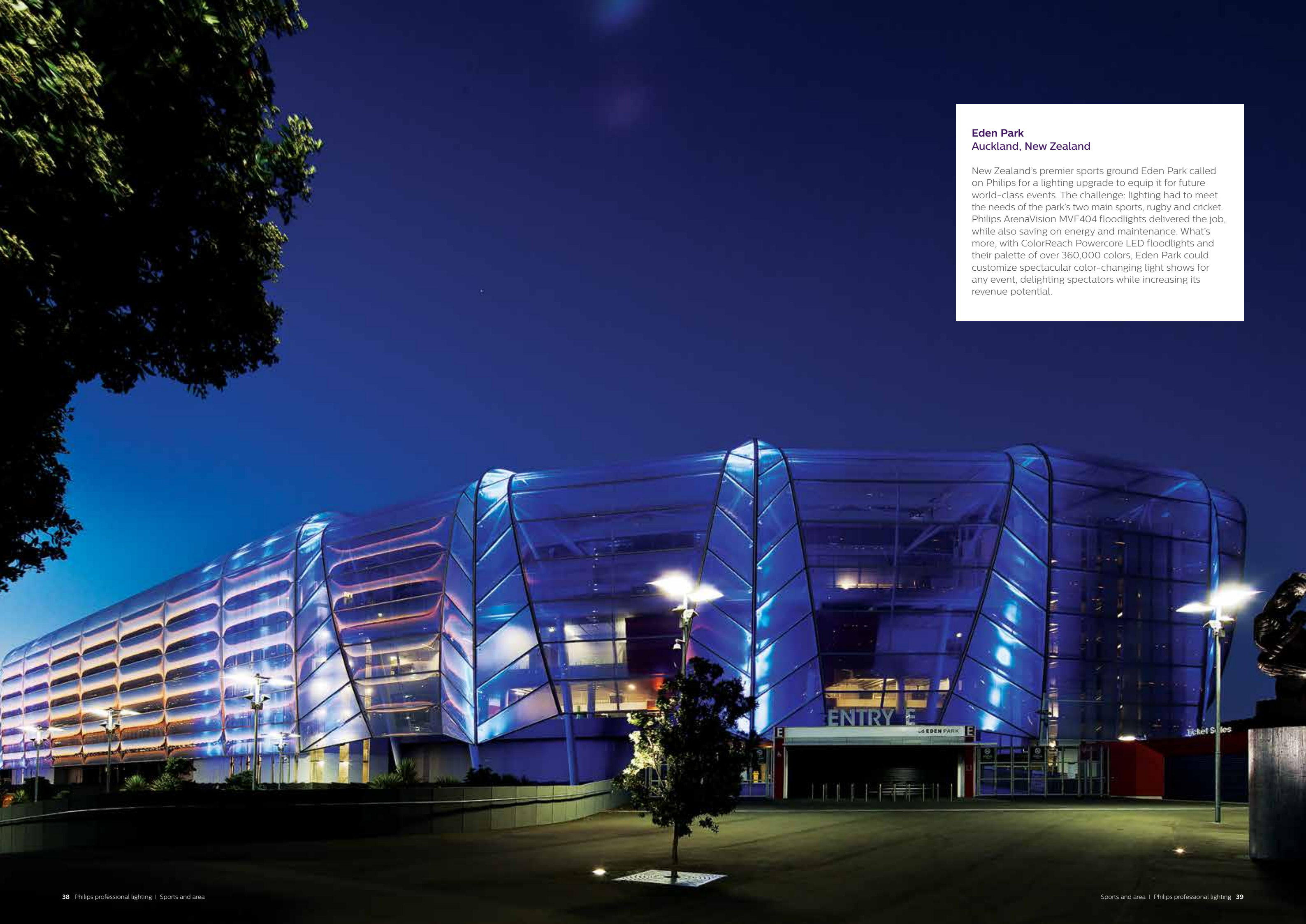




**i-mobile stadium**  
Buriram, Thailand

For its new, world-class football stadium, Buriram United of the Thai Premier League engaged Philips to design and specify lighting solutions that would meet strict international lighting standards, such as ensuring 1,200 lights are used for the pitch. New hues were introduced in the façade lighting to brand and highlight the team's club colors. There was also a need to deliver multi-faceted lighting to liven up the atmosphere and raise spectator experience to a whole new level. With ArenaVision MVF403 delivering the highest possible system efficiency, low glare and improved lighting levels, and Vaya floodlights providing exceptional flexibility to create amazing lighting effects – the new i-mobile stadium now benefits from extraordinary lighting performance with the lowest possible energy consumption.





**Eden Park**  
Auckland, New Zealand

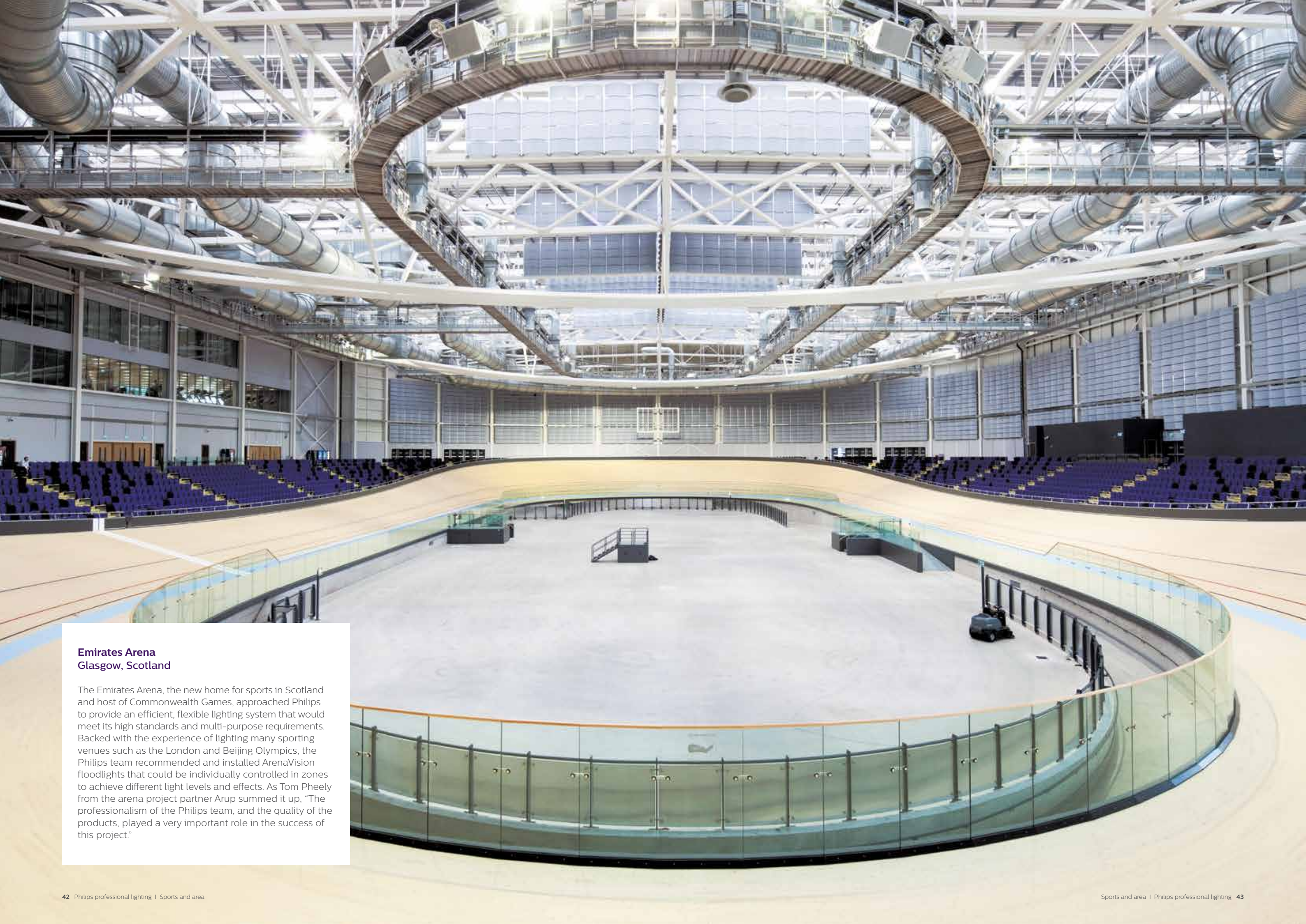
New Zealand's premier sports ground Eden Park called on Philips for a lighting upgrade to equip it for future world-class events. The challenge: lighting had to meet the needs of the park's two main sports, rugby and cricket. Philips ArenaVision MVF404 floodlights delivered the job, while also saving on energy and maintenance. What's more, with ColorReach Powercore LED floodlights and their palette of over 360,000 colors, Eden Park could customize spectacular color-changing light shows for any event, delighting spectators while increasing its revenue potential.



**Chelsea Football Club**  
London, United Kingdom

World famous as the home to the highly-ranked Chelsea Football Club, Stamford Bridge is also equipped with state-of-the-art Philips ArenaVision LED floodlighting system. With this pioneering system, Chelsea can deliver HD, flicker-free, super-slow motion images, ensuring the best possible viewing experience to over 40,000 fans in the stadium and those watching online or on TV. The advanced LED lighting system supported by excellent programming ups its cool quotient further by playing, interacting and having fun with the fans, simply with the power of lights. This future-proofs the stadium's reputation, ensuring it will continue to be among the world's most famous high-tech sporting arenas.



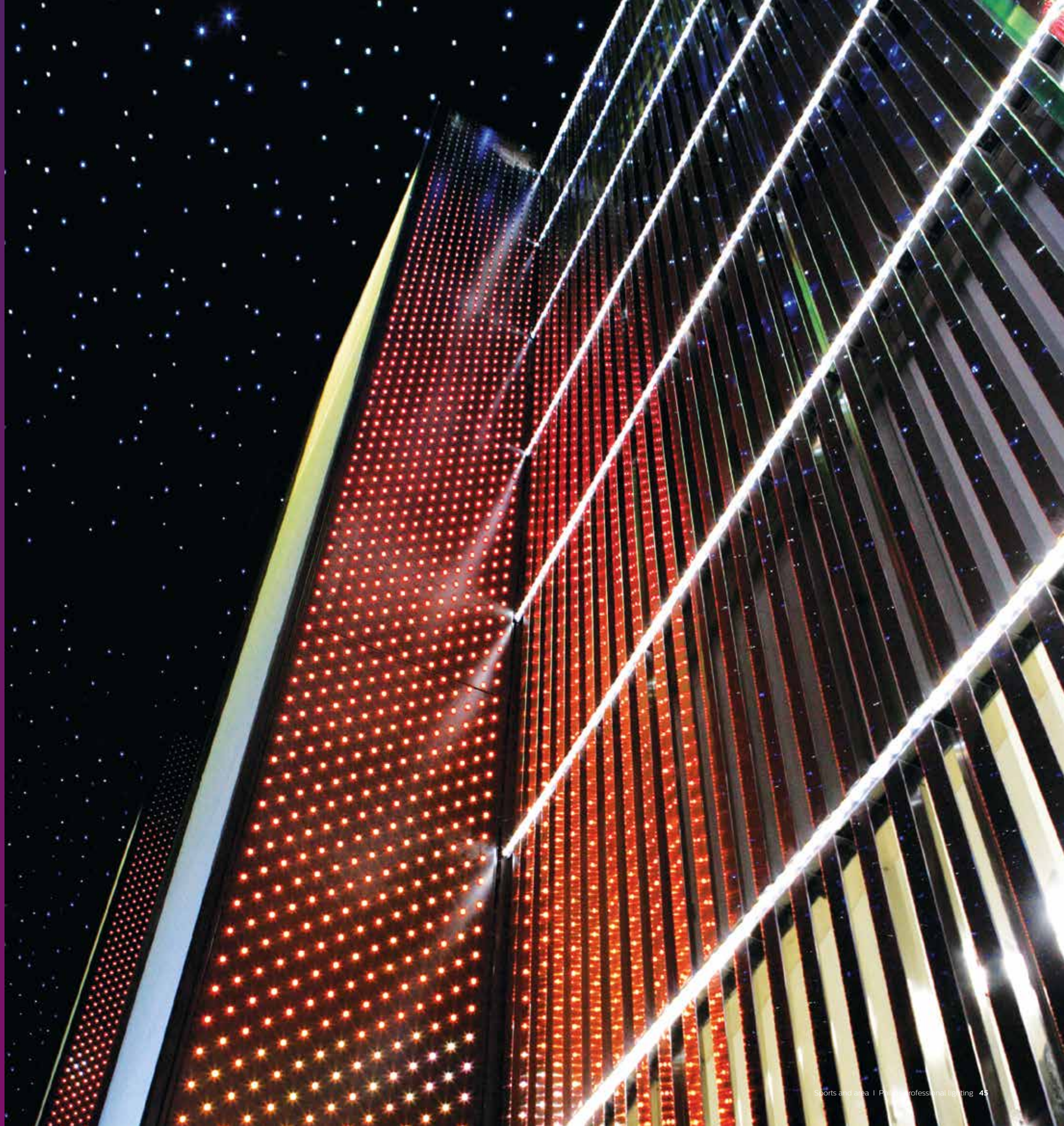


**Emirates Arena**  
**Glasgow, Scotland**

The Emirates Arena, the new home for sports in Scotland and host of Commonwealth Games, approached Philips to provide an efficient, flexible lighting system that would meet its high standards and multi-purpose requirements. Backed with the experience of lighting many sporting venues such as the London and Beijing Olympics, the Philips team recommended and installed ArenaVision floodlights that could be individually controlled in zones to achieve different light levels and effects. As Tom Pheely from the arena project partner Arup summed it up, "The professionalism of the Philips team, and the quality of the products, played a very important role in the success of this project."



# Beyond illumination







## Support from **start to finish**

With offices around the world, we have extensive experience handling lighting challenges on behalf of our customers. We aim to be your best business partner, offering the right expertise and solutions. Allow us to help you with planning, implementing and maintaining your project every step of the way.



### **Advisory Services**

Can a lighting upgrade help your business grow? Get an expert light audit from Philips Advisory Services

- Auditing your energy consumption
- Bringing creative ideas to life
- Helping you plan, making it happen
- Helping you convince the team



### **Project Services**

Get your lighting installation completed quickly and efficiently, with Philips Lighting Project Services

- Project management
- Installing your system
- Integrating and programming

Note: Certain services may not be available in all countries.



### **Lifecycle Services**

Let Philips handle your installation with these tailored service agreements

- **Essential agreement:**  
Protecting your investment
- **Premium agreements:**  
Ensuring hassle-free and fixed fee operations
- **Premium+ agreements:**  
Meet and optimize your business objectives



### **Philips Lighting Capital**

Finance your new lighting system with little to no upfront investment

- Protecting your cash flow
- Saving you time and money



# Spotlight on our products

A quick overview of Philips lighting solutions – features and benefits.

For more information, visit [www.philips.com](http://www.philips.com) or contact our sales team.



**ArenaVision LED Floodlight**  
Innovative floodlighting system with outstanding light quality, thermal management and long lifetime

- Maximum flexibility and high quality of light – no flicker effect
- Delivers a variety of lighting atmospheres through scene settings and sequences, flexible for all events and purposes
- Able to interface with external lighting controls



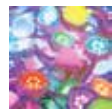
**ClearFlood Maxi Floodlight**  
Customizable floodlights for different sports and area lighting needs

- 1:1 retrofit possible, with high energy savings and a fast payback and good ROI
- Easy to select the required lumen performance
- Versatile with five different optics



**ColorReach Powercore gen2**  
An elegant outdoor LED solution perfect for large-scale installations, with the benefits of LED-based lighting and control

- Fast, efficient and accurate control of power output
- A high-performance LED with rich, saturated color at lower costs and maintenance
- Works with a variety of photometric distributions for many applications
- Unmatched standard of color consistency and uniformity



**iColor Flex MX gen2**  
Flexible strands of large, high-intensity LEDs for extraordinary effects and expansive installations, for superior architectural accents, perimeter lighting, large-scale signage and building-covering video displays

- Full-color, visible in daylight
- Can be mounted like traditional string lights. With detachable leader cables in different lengths, you can install strings close to power / data supplies.
- Optional glare shields can block unwanted spill light and other light sources
- Variety of node spacing and custom spacing works with any lighting or video design
- Fully sealed for maximum life and IP66-rated for outdoor applications



**OptiVision LED Floodlight**  
Complete floodlighting solution for the simplest to most complex sports projects

- Maximum energy savings with smart environment sensors
- Easy to install and future-proof
- Beautiful light fixtures with built-in controls for energy savings, high reliability and long life
- Offers fit and function upgrades from conventional luminaires



**Tango G2 LED Floodlight**  
Energy-saving LED floodlights with versatility of lighting applications

- Reliable, easy maintenance and installation
- Free from lamp replacement
- Energy saving
- Flexible in various lighting applications including area lighting, billboards, façade, industry area and recreational sports

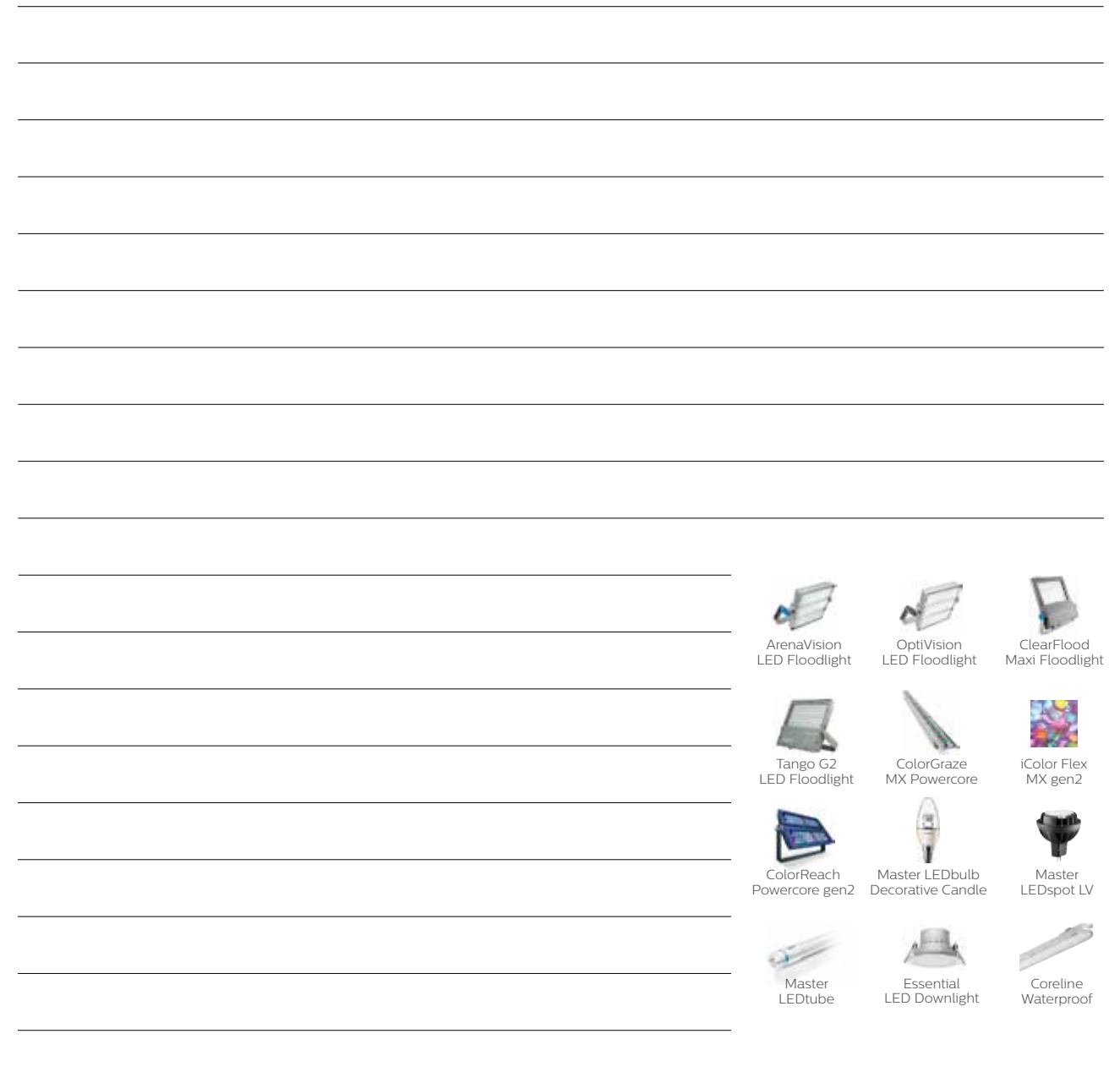


**ColorGraze MX Powercore**  
High light output color-changing LED for high-intensity multi-story façade and surface lighting

- Superior beam quality with striation-free saturation
- Easy to install, with low total cost
- Convenient push-and-click connectors, can be placed within most architectural niches
- Unmatched light and color consistency and precision

	Pitch and playing area	Stands and spectators area	Sports and recreational hall	Swimming pools	Golf course	In the arena	Outdoor area and landscape	Architectural and media façade	General and zone lighting	Carpark (Outdoor)	Carpark (Indoor)
ArenaVision LED Floodlight	●	●	●	●	●						
OptiVision LED Floodlight		●	●	●	●						
ClearFlood Maxi Floodlight			●	●	●		●		●		
Tango G2 LED Floodlight		●	●		●		●	●	●	●	
ColorGraze MX Powercore							●	●			
iColor Flex MX gen2								●			
ColorReach Powercore gen2							●	●			
Master LED Decorative Candle						●					
Master LEDspot LV						●					
Master LEDtube									●		●
Essential LED Downlight						●					
Coreline Waterproof											●

Notes



ArenaVision LED Floodlight

OptiVision LED Floodlight

ClearFlood Maxi Floodlight

Tango G2 LED Floodlight

ColorGraze MX Powercore

iColor Flex MX gen2

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Coreline Waterproof





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