



# Shopping Mall Lighting

Create extraordinary customer experiences



**PHILIPS**





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## See How Light Can Make Shopping Feel Special

Light plays a vital role in the customer experience at a shopping mall. Philips LED lighting provides flexible solutions that can attract customers from a distance, guide them to your mall, make them feel welcome then take them through a range of shopping experiences according to mood and activity.

We can also show you how to save money and lower your carbon footprint. All through the power of light.



# Philips Shopping Mall Lighting Products and Solutions

Our lighting products and solutions can add value in many different ways throughout your shopping mall. On the following pages you will find total solutions for thirteen typical areas in shopping mall environments. The products shown are only a small selection of what's available for each particular application.

2. Landscaping



1. Façade



3. Customer Drop Offs



4. Atrium



5. Corridors



6. Escalators



7. Elevators



8. Customer Service Area



9. Entertainment Complex



10. Toilets



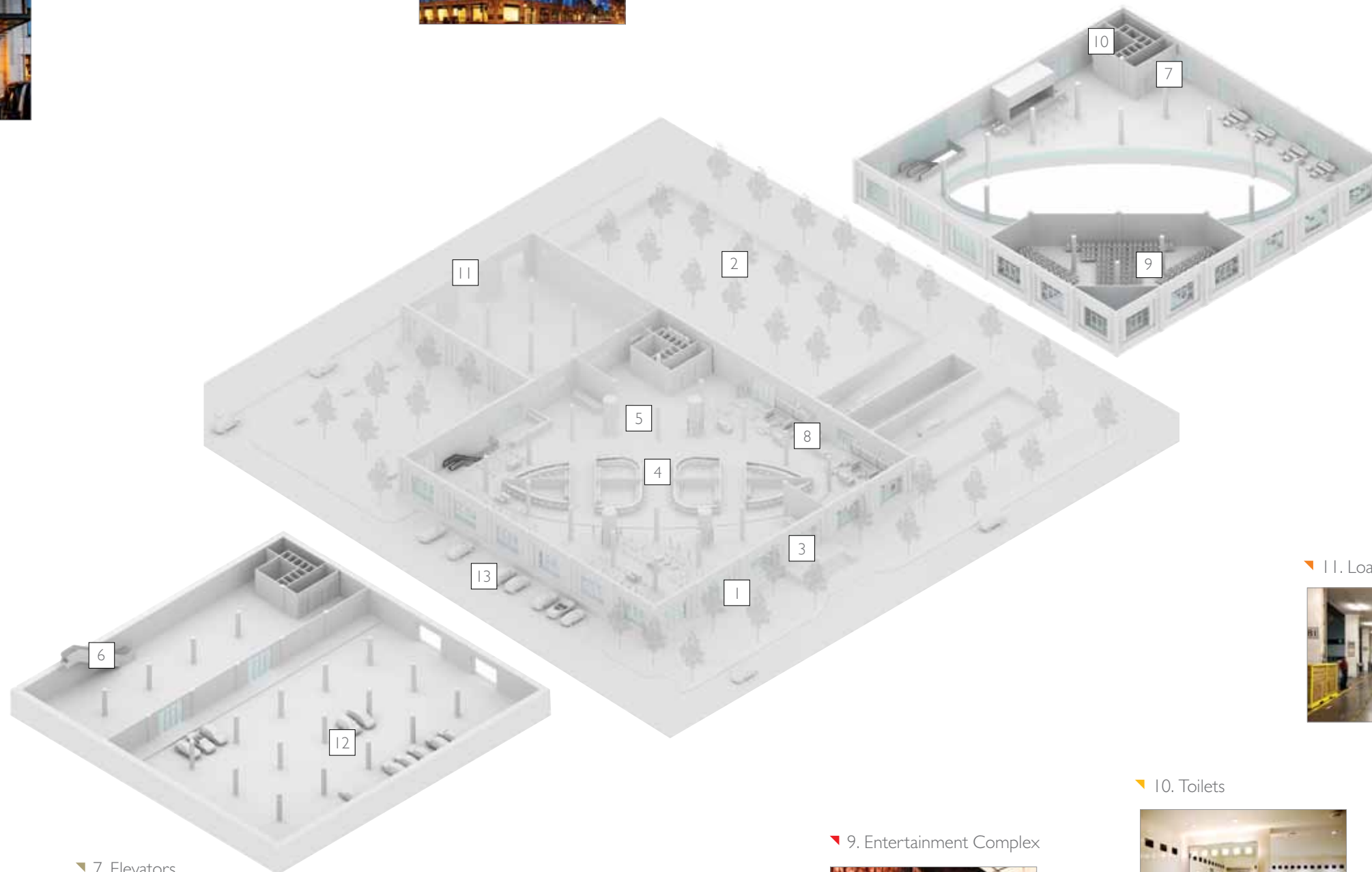
11. Loading & Unloading Bay



13. Outdoor Parking



12. Indoor Parking





# Create a stunning and memorable first impression

Light can turn your shopping mall into a landmark that people remember and recognise. Make your façade distinctive and eye-catching and it will help you attract more interest and more customers. With the creative use of light, you can express the unique qualities of your mall.



Selfridges  
London, United Kingdom

## 1. Façade

Architectural façades are typically multifaceted and offer a range of elements and surfaces to highlight. By using different combinations of lighting techniques, it's possible to create multiple layers of lighting. For example, wall washing can create a soft glow background effect. Highlighting vertical structures, on the other hand, will create a foreground effect and in general create a 3 dimensional impression.

### Graze Lighting

To focus on the texture of the façade, a technique called grazing may be used. The fixture is located near to the surface and creates a beautiful play between light and shadow on architectural surfaces.



### Wall Washing

For façades that feature a flat solid wall, washing the surface evenly with light can create a striking and memorable effect. Lighting fixtures with a wide beam angle may be used in order to achieve uniform soft lighting without any highlights on the wall surface.

### Vertical Structure Lighting

In order to highlight the 3 dimensional shape of vertical structures such as columns and pillars, light fixtures may be located on either side of the structures. Narrow beam angles create strong highlights and makes the vertical element to which it is applied, the main focus.



ColorGraze Powercore



ColorReach Powercore



ColourBlast Powercore



ColorBurst Powercore



# Improve your outer glow

With a range of cost-efficient and sustainable lighting solutions, Philips can help you harmonize and humanize the landscapes in and around your shopping mall. With innovations that can be seamlessly integrated into well-planned landscape designs, Philips Landscape Lighting Solutions can transform outdoor areas into safe, relaxing environments, which enhance the customer experience at your mall.



Yishun Park  
Singapore

## 2. Landscaping

Landscape lighting helps a landmark to stand out and create an iconic image. Lighting may focus on waterways, pathways or landscape elements such as furniture, sculptures and trees.



### Pathways

Different pathways require different solutions. In this example, lighting is integrated into the structure or mounted vertically on the railing.

### Post-Tops

Post-top lighting effectively illuminates and guides people at night on the path. Post-tops are normally 4 to 5 metres high. The distance between them will vary depending on the design of the pathway.

### Waterways

Lighting can be placed at the water's edge, submerged in the water or projected on to the water.



CitySpirit Bollard



CitySpirit Cone



CitySoul LED



C-Splash 2



## A warm welcome and easy access

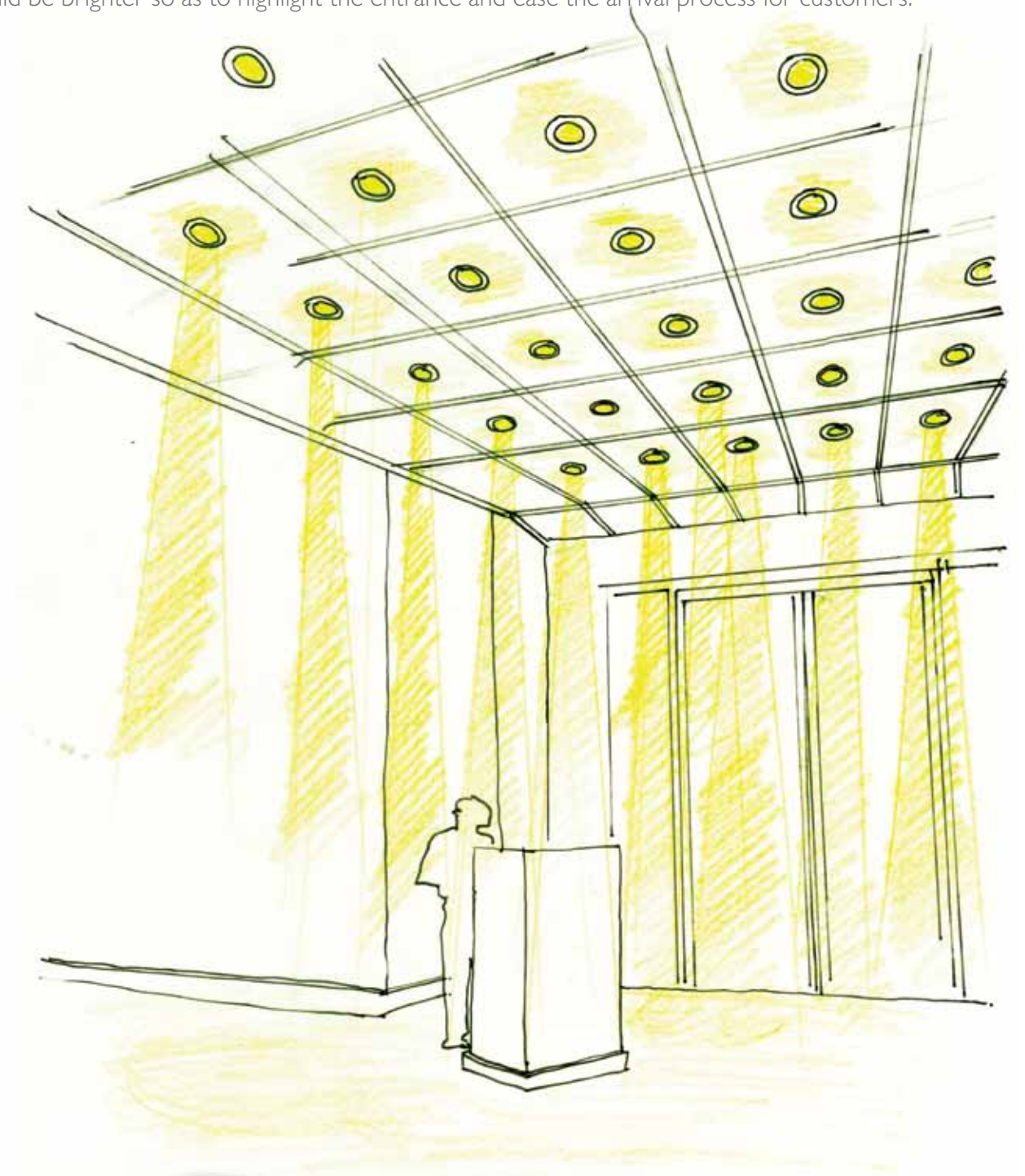
Large shopping malls typically offer customers a number of ways to enter the building. One of which is usually a drop off point for those arriving by taxi or private car. The challenge for developers is to create a memorable and welcoming first impression while ensuring a safe and efficient environment.



Ritz-Carlton Hotel  
Berlin, Germany

### 3. Customer Drop Offs

Customer drop offs require general lighting for the customer to alight safely and enter the shopping mall. The lighting needs to be designed so that the area is easily seen from the driveway or road. The ambience should be brighter so as to highlight the entrance and ease the arrival process for customers.



LuxSpace, surface mounted



GreenSpace



ConTempo LED



# Use light to transform and highlight

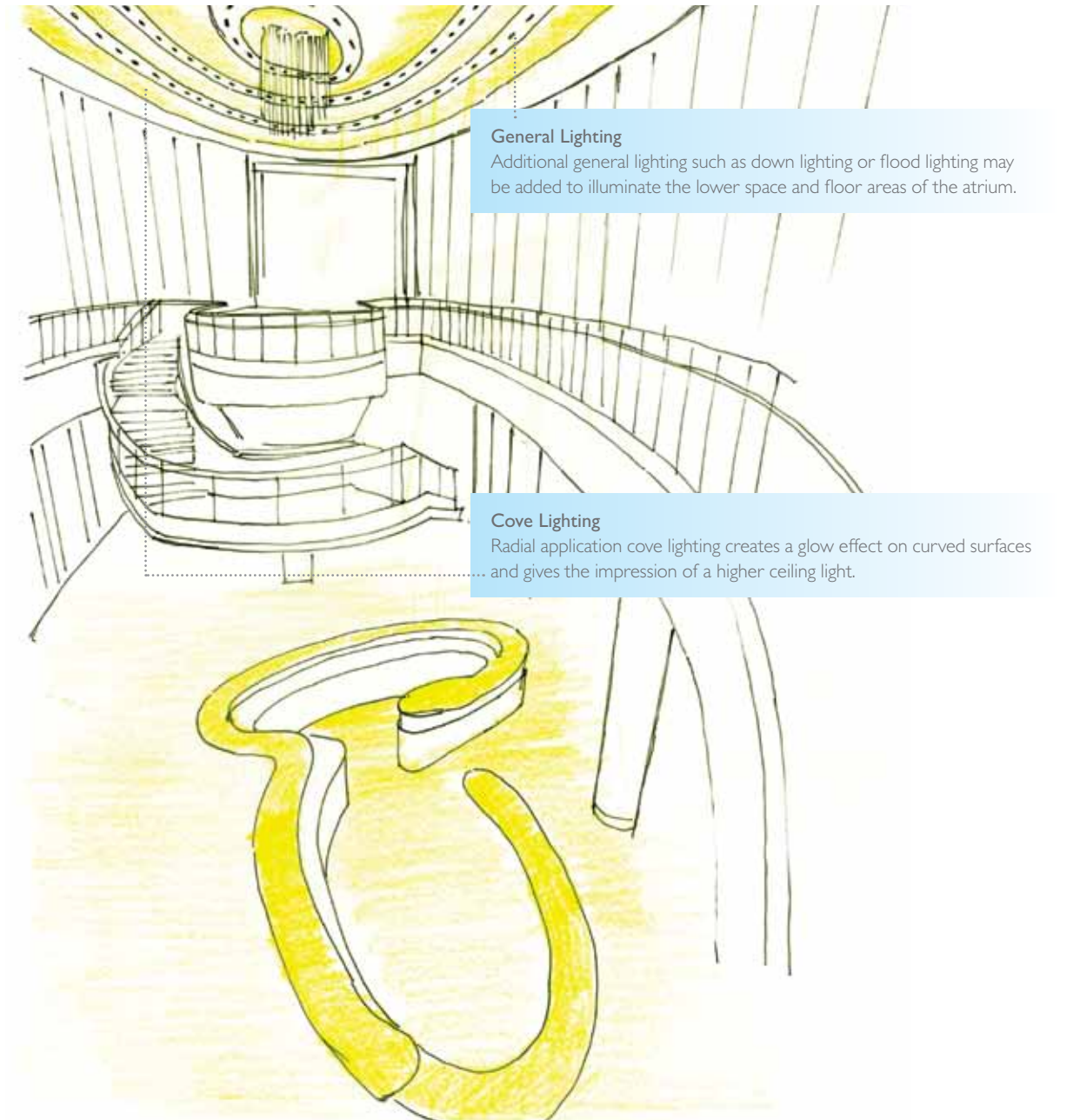
The atrium is where customers orientate themselves. Here, lighting can help to attract people and reinforce the branding of the shopping mall. Flexible general lighting from down lights and cove lights can help establish a soft ambience, while spot, flood and entertainment lighting can be employed to create dynamic shopping environments and special themes for holidays and festivals.



Westfield  
London, United Kingdom

## 4. Atrium

Atriums typically require sophisticated lighting control systems with wide ranging capabilities to enhance the shopper experience. They need to be flexible enough to create distinct lighting effects for ever-changing promotional requirements.



eW Cove MX Powercore



iColor Accent MX PowerCore



LuxSpace Compact Power



Tango LED



## Set the scene for energy savings

Corridor lighting is essential to guide customers through your mall and help highlight individual retail establishments. With a combination of accent lighting and bright down lighting, you can help make corridors feel bright and safe and contribute to the overall ambience.

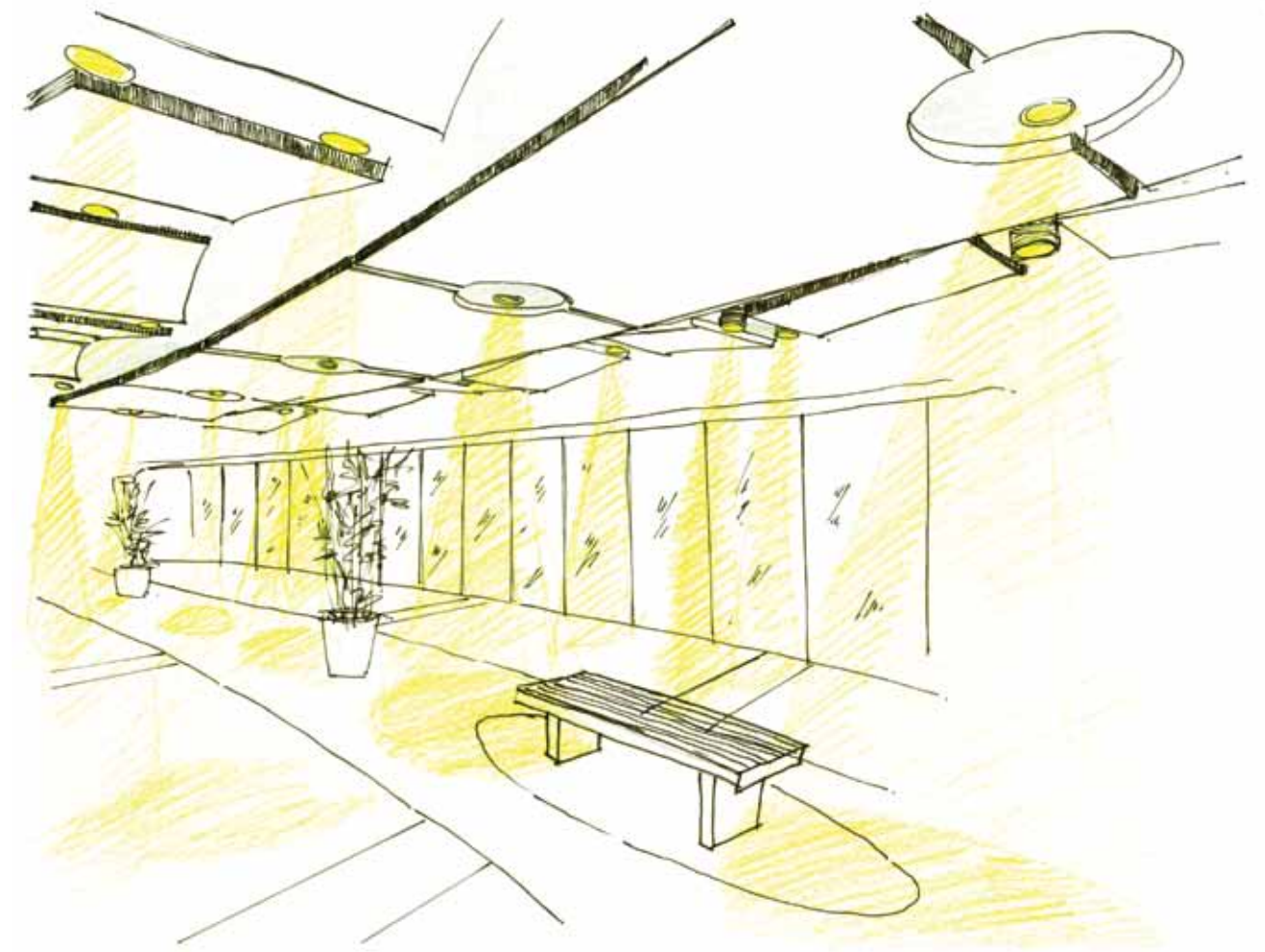


Big City  
HsinChu, Taiwan

## 5. Corridors

One of the more common lighting techniques used in corridor is downlights, arranged in a linear configuration. This pattern gives people a direction to follow while walking along the corridor.

A wide beam angle can also be used to give enough illumination on the surface. Alternatively, narrow beam angles can be used to create spots of light on the floor to help guide people along the corridor.



GreenSpace



LuxSpace



StyliD Mini, recessed



PowerBalance Mini

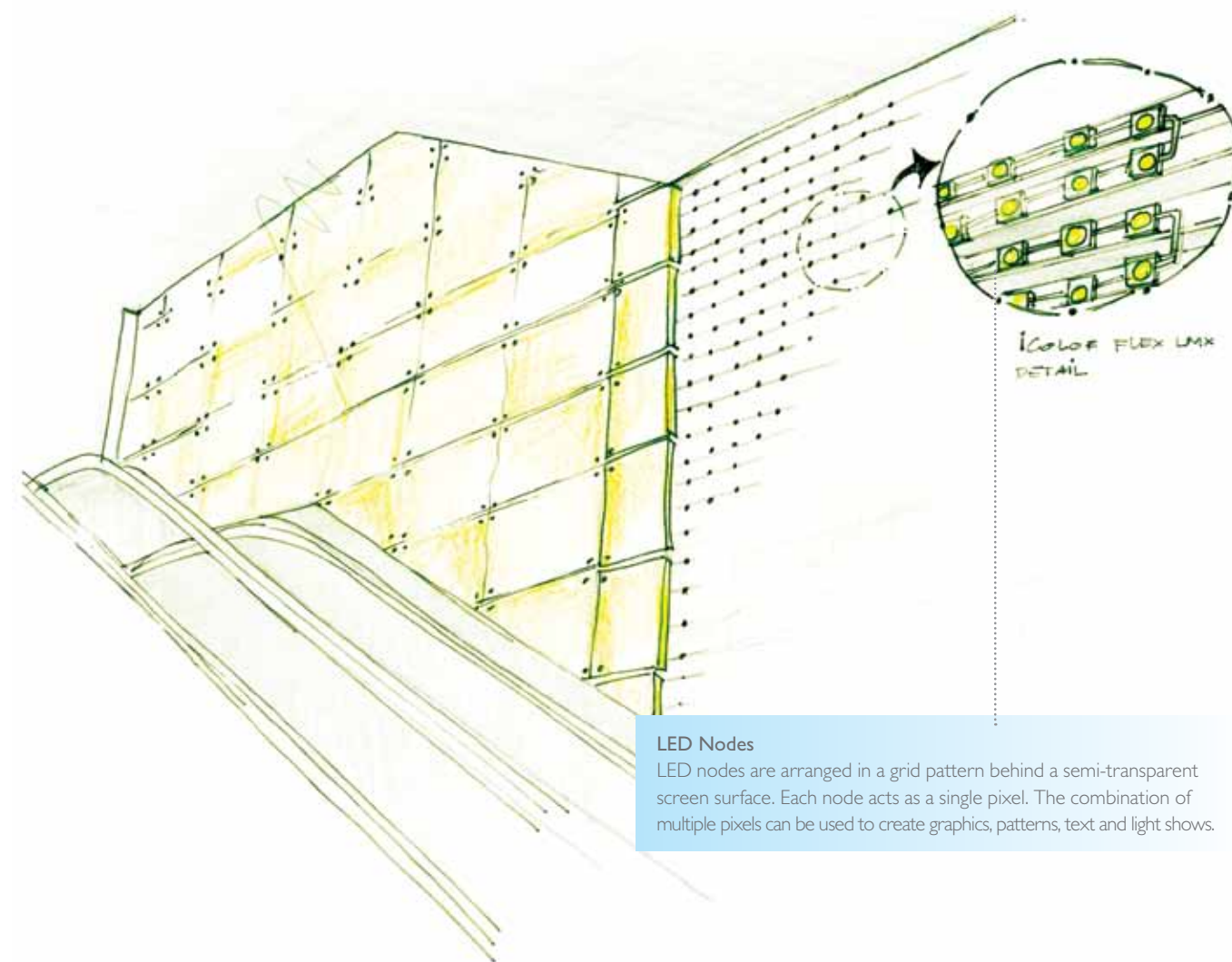


# Light as a moving experience

The ubiquitous escalator is a feature of almost every mall. Usually they're intuitive. Shoppers can see where they go and need no particular encouragement to use them. However, there are occasions when escalator use requires a little more prompting. For instance, when they lead to somewhere new or unknown. In these instances, light can help to draw people to the escalator and encourage use.

## 6. Escalators

Lighting can be used to create a focal point on the space and draw people to the escalator. An example of such a technique is a light wall, which uses back lighting to create a flat light show.



### LED Nodes

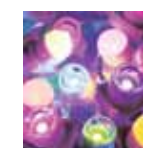
LED nodes are arranged in a grid pattern behind a semi-transparent screen surface. Each node acts as a single pixel. The combination of multiple pixels can be used to create graphics, patterns, text and light shows.



LuxSpace



GreenSpace



iColor Flex MX



iPlayer 3

St David's Shopping Centre  
Cardiff, United Kingdom

Products shown may not be used in the project featured.



# Service, ambience and energy savings

In shopping malls, lighting in public areas must deliver on two simple benchmarks – service and ambience. In terms of service, guests must feel safe and areas must be suitably illuminated to ensure efficient delivery of services and passage. Ambience is a subtle benchmark that is determined by the nature and style of the shopping mall. Nowhere is this combination more important than in and around elevators.



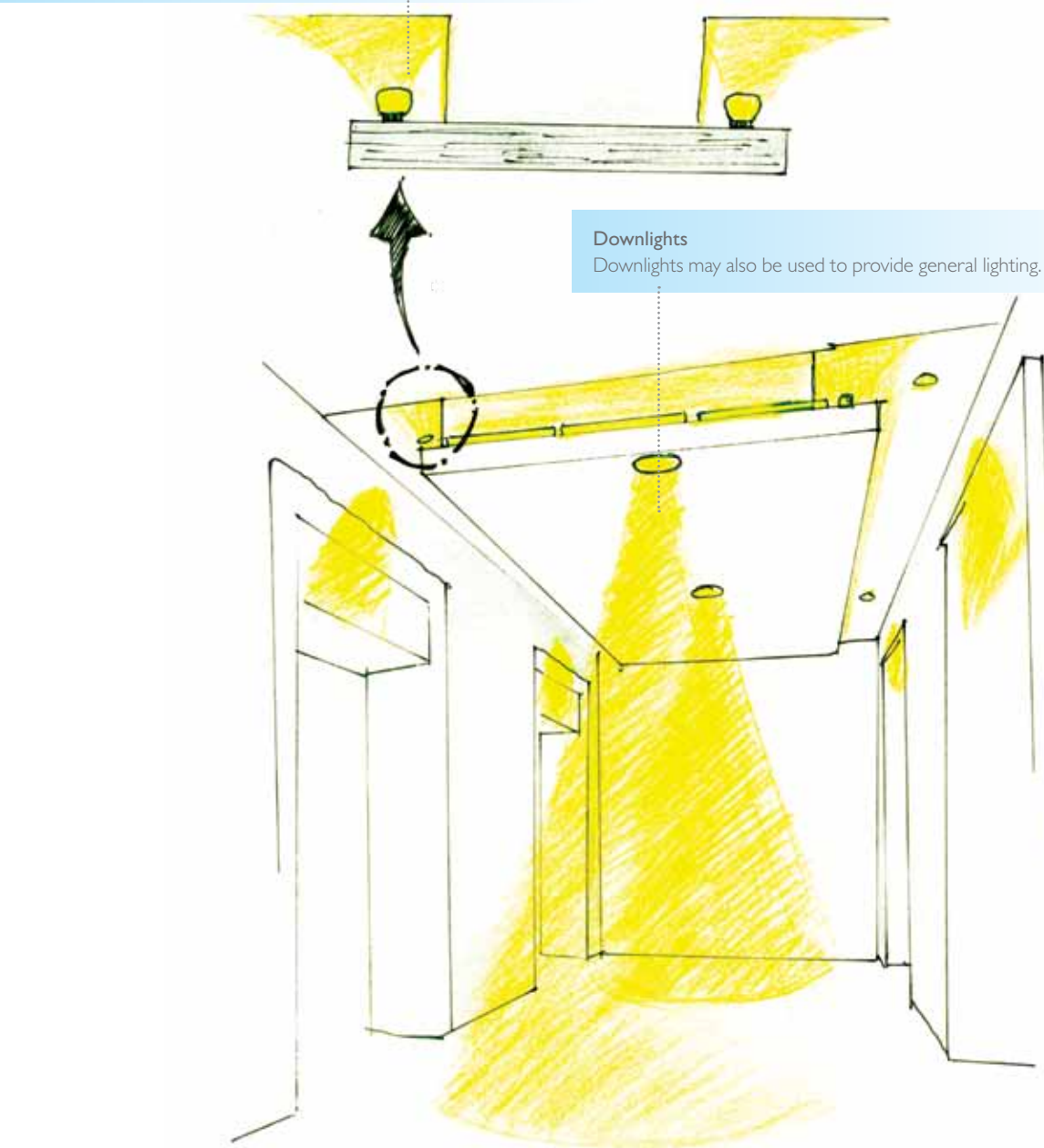
Rasa Sentosa  
Singapore

## 7. Elevators

The basic purpose of lighting in this area is to highlight the elevator doors and create a suitably restful ambience.

### Cove Lighting

Ceiling illumination from a center cove highlights the location of the elevators and helps to create a soft ambience.



### Downlights

Downlights may also be used to provide general lighting.



LuxSpace



GreenSpace



eW Cove MX Powercore



MR16 7W T G



# Customer service with a bright welcome

Customer service areas are the human face of Shopping Mall management where customers go for assistance and to find more information. They are an ideal opportunity to create a good impression. A helpful, welcoming ambience can be fused with excitement and professionalism to create an effective, dynamic atmosphere that can change with the time of day and the seasons.



Marriott Hotel Malmo  
Sweden

## 8. Customer Service Area

Lighting in customer service areas may be used to differentiate the space from other parts of the shopping mall. This can be achieved simply by using brighter lights or with more intricate dynamic color lighting in ceilings and walls.



### Cove Lighting

Radial application cove lighting creates a glow effect on curved surfaces and gives the impression of a higher ceiling light.

### Graze Lighting

Graze lighting can be used to highlight and draw attention to a wall feature, a design element or simply the texture of the wall.



LuxSpace



GreenSpace



eW Cove MX Powercore



Luminous Textile

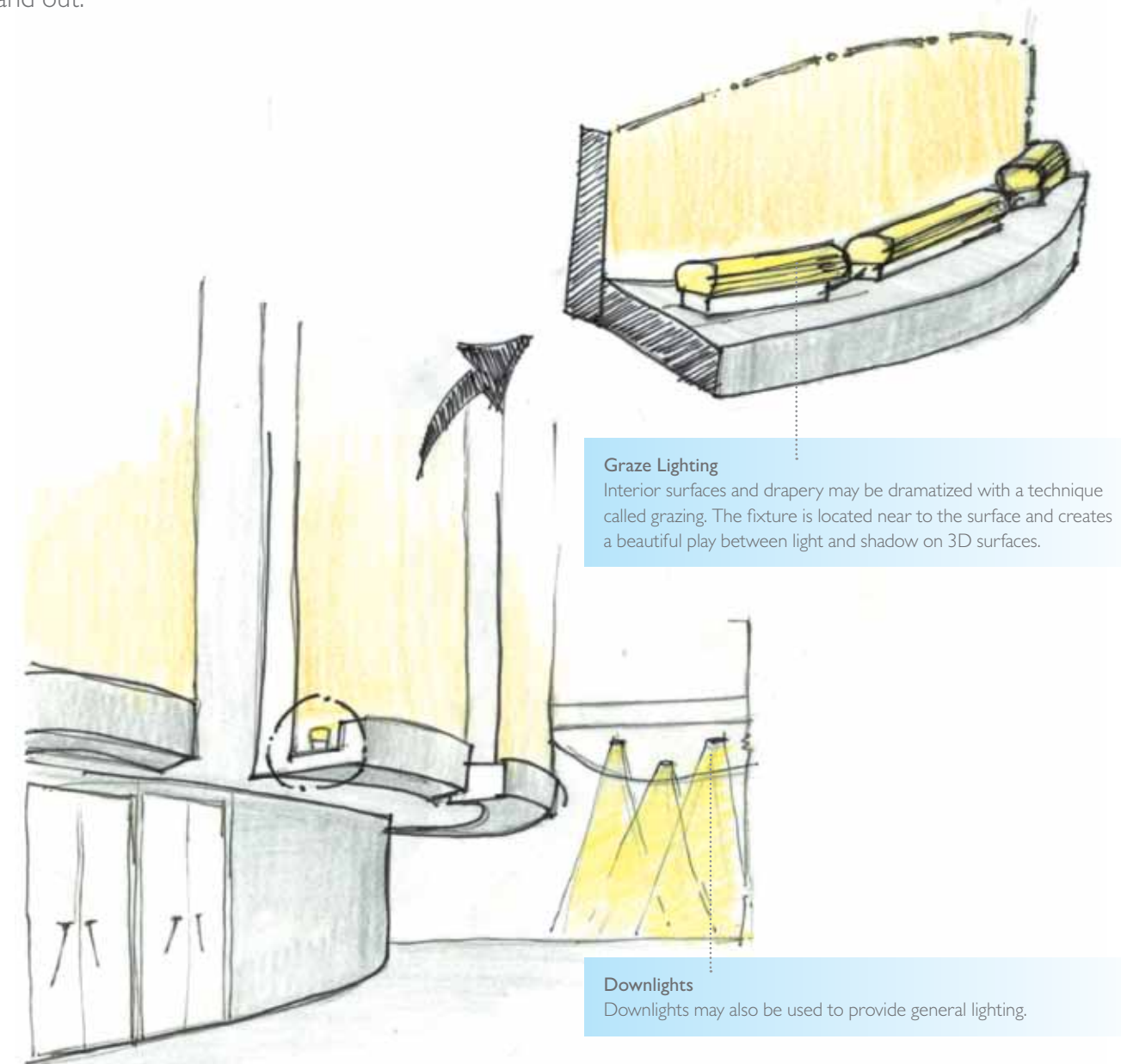


# Entertainment comes alive

Shopping malls are increasingly lifestyle and entertainment destinations where cinema complexes, games arcades and even live theaters make up an important part of the customer experience. For these areas, lighting is a vital component in setting the mood and distinguishing them from the retail sections of the mall.

## 9. Entertainment Complex

Lighting at entertainment centers needs to be able to create a sense of drama and excitement. One way to do this is by playing with light and darkness. The general area, such as the lobby, may be evenly lit. In contrast, the entrance may be illuminated with more dramatic lighting to build excitement and make the entrance stand out.





## Cool light, welcoming ambience

The standard of washroom facilities leave an indelible impression on visitors. So it is particularly important for shopping malls to ensure their washrooms are presented in the best possible light. In addition, it is imperative that malls implement sustainable, energy-efficient lighting solutions.



Hilton  
Amsterdam, Netherlands

## 10. Toilet

Downlights provide general lighting, which may be used to emphasize the clean and safe environment. While ambient and accent light can be used to enhance ambience and highlight important elements.

### Ambient Lighting

Vanity areas are often highlighted with a soft glow, backlighting effect around the mirror.

### Accent Lighting

To highlight important elements such as stalls, urinals and hand wash area, vanity area accent lighting may be used.



MR16 7W T G



Stylid Mini Recessed



Smart Halogen Downlight

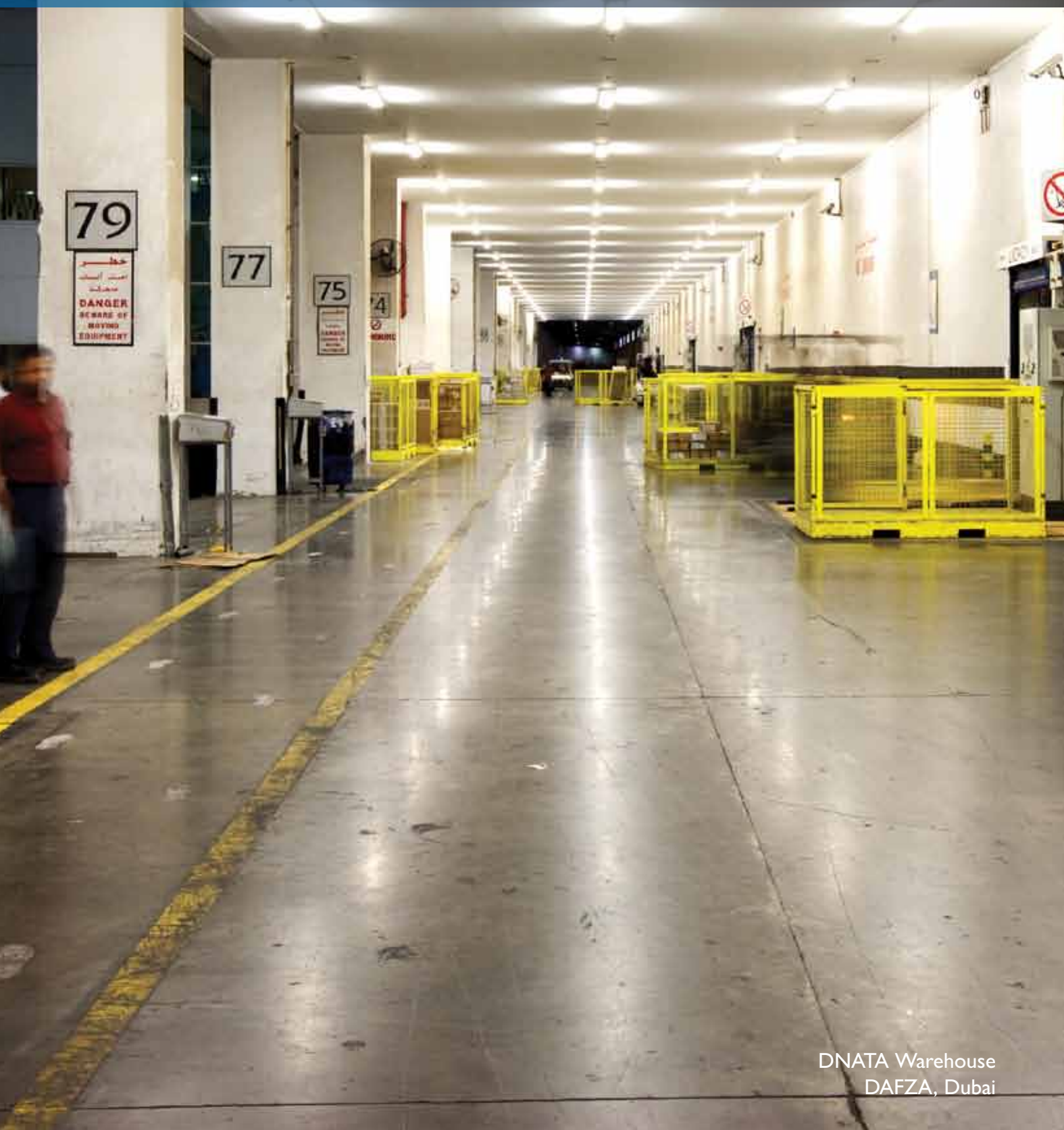


OccuSwitch



## Light up your working areas

Loading bays are complex, high-traffic areas, which in some cases operate 24 hours a day. Lighting plays an important role to ensure operations take place safely and efficiently. As with any business application, cost is always an issue as is the question of carbon emissions.



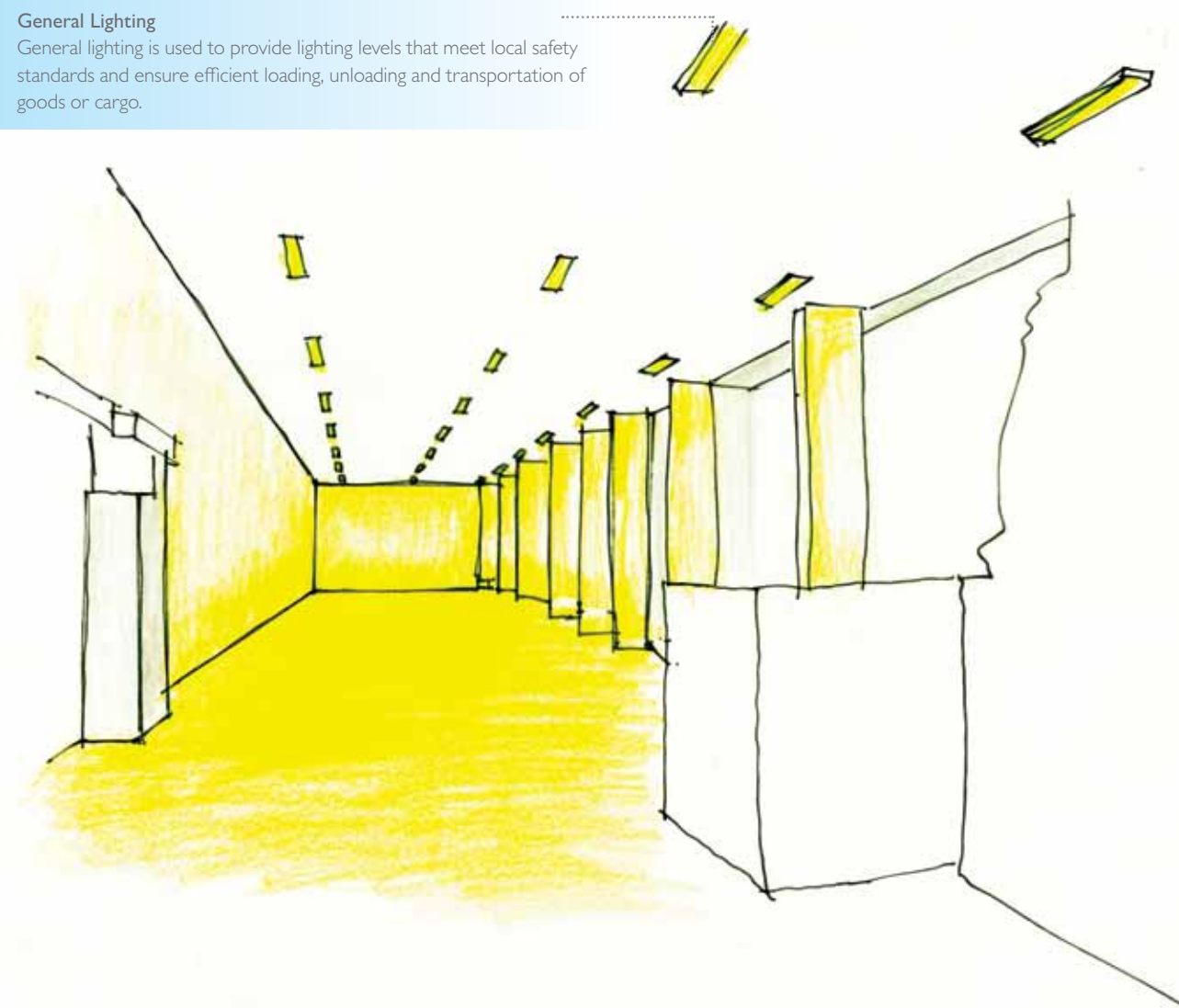
DNATA Warehouse  
DAFZA, Dubai

## II. Loading & Unloading Bay

The main requirement is to create a bright, uniform lighting effect, often for 24 hours a day. The lighting solution therefore, is normally focused on energy efficiency. The fixtures are typically arranged in standard configurations to ensure a uniform light level is achieved.

### General Lighting

General lighting is used to provide lighting levels that meet local safety standards and ensure efficient loading, unloading and transportation of goods or cargo.



Mini 500 LED



GreenPerform LED Waterproof



GreenPerform Batten



ConTempo LED



# Reliable, energy-efficient parking illumination

High-quality, reliable lighting in parking areas is not only essential for the safe, efficient movement of vehicles, it also contributes to security and can create a welcoming first impression. What's more, as energy prices continue to rise, it's more important than ever for businesses to find ways to reduce costs and communicate corporate responsibility through their lighting solutions.

## 12. Indoor Parking

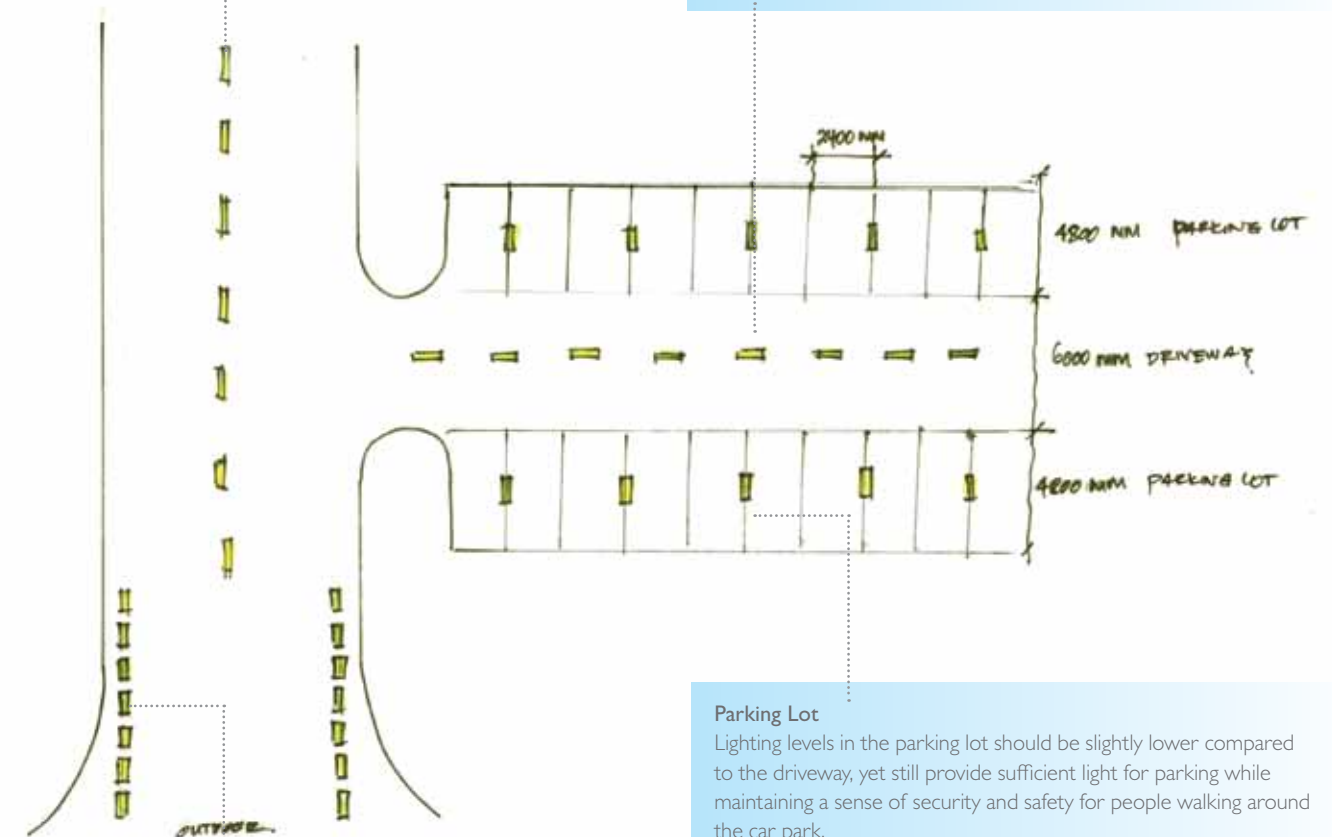
Indoor parking lighting provides guidance and safety for drivers. It needs to meet standard levels of illumination and uniformity, which may differ from country to country. Since indoor parking lighting is usually in operation 24 hours a day, energy-efficiency is a major consideration.

### Linear Lighting Arrangement

Helps to guide drivers around the car park by providing a sense of direction.

### Driveway

Driveway lighting needs to be sufficiently bright and uniform so drivers may move around the car park safely.



### Parking Lot

Lighting levels in the parking lot should be slightly lower compared to the driveway, yet still provide sufficient light for parking while maintaining a sense of security and safety for people walking around the car park.

### Entrance

Lighting at the entrance area acts as a transition or a buffer zone from the outside to inside. A prime priority is to avoid driver blindness as vehicles move from the bright light outside to the relatively dim light inside. Different switching modes therefore need to be applied in order to adjust for eye sensitivity. These modes will change from daytime to nighttime conditions.



GreenPerform Batten



GreenPerform LED Waterproof



MASTER LEDtube

Products shown may not be used in the project featured.



## Safe, welcoming and energy efficient

Outdoor parking facilities should feel safe and welcoming for customers and employees especially at night. Lighting that creates good visibility with no pockets of shade can help guide your customers, whether on foot or in their cars, to the entrance and make them feel safe and comfortable.

Energy efficient lighting solutions that control light distribution, illuminate large areas and provide smooth indirect light that guides customers to entrances will make your outdoor car park more inviting and user-friendly.



Philips Lumileds Factory  
Penang, Malaysia

## 13. Outdoor Parking

Lighting in outdoor parking areas needs to meet standard levels of illumination and uniformity, which may differ from country to country.

Lighting in the parking lot will typically be brighter compared to the driveway. Lighting fixtures used may vary from post-tops to street lighting, depending on the size of the car park.

Energy efficiency is an increasingly important consideration when choosing lighting in this area.

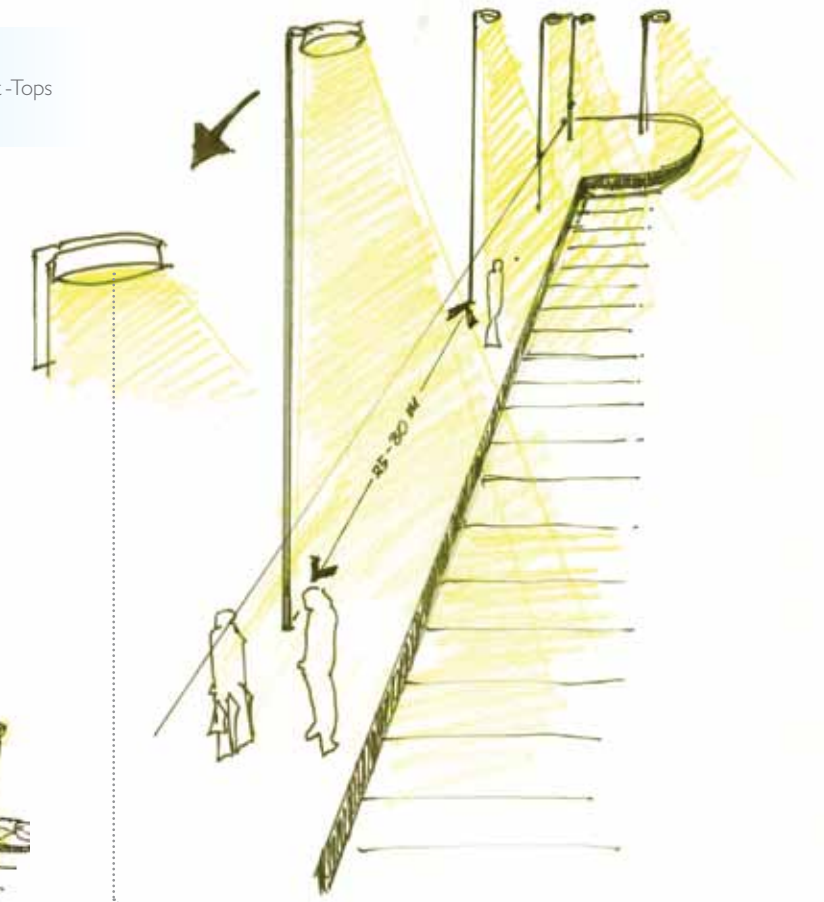
### Post-Top Lighting

The distance between post-tops varies between 12 to 15m. Post-Tops provide a decorative and artistic look. They are also glare free.



### Street Lighting

Distances for street lighting vary between 25 to 30m. It requires less light points as it provides a higher light output as compared to post-tops.



CitySprint Street



Mini 500 LED



Mini 300 Stealth LED

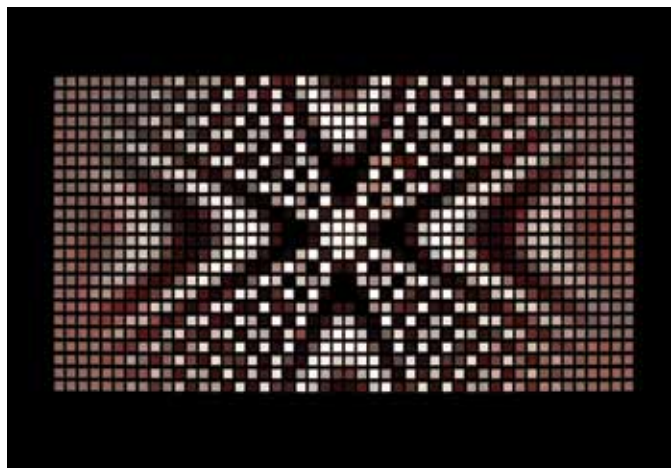


GreenVision Xceed



Philips Lumiblade

# Explore The World of OLED Lighting

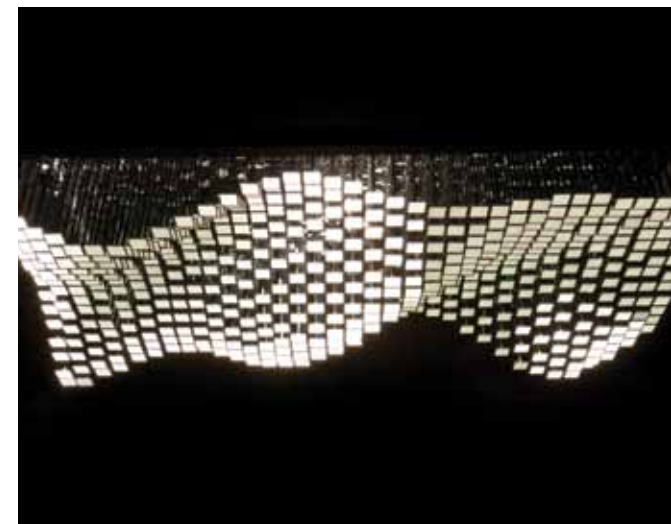


## LivingShapes interactive wall

Light installations based on the modular system

It has never been so easy to create stunning interactive OLED lighting installations in such a short time. The LivingShapes interactive wall is based on an ingenious modular system that eliminates the need to individually connect hundreds of OLEDs to each other. Instead, the user simply utilizes integrated OLED panels equipped with sixteen 5 by 5.5 centimeters (~ 2 by 2.2 inches) Lumiblade OLEDs.

Constructed as a plug-and-play system, any number of panels can be arranged next to and above each other. An installation of several square meters is realized quickly. And it comes at a price well below what you may have expected.



**Philips LivingSculpture 3D module system has won two prestigious iF awards**

## LivingSculpture 3D module system

Modular light installations of the third kind

Planning a light installation is particularly challenging when the design is not only in one plane, but when free space is built in with light. Until now, successfully realizing such a project required extensive planning and enormous technical expertise. With the LivingSculpture 3D module system, Philips Lumiblade has created a system that allows the user to focus on one thing: the design.

The need for technical expertise is eliminated by the modular system, which consists of base plates and connecting rods. The connecting rods are available in different lengths and allow even complex three-dimensional structures to be created very quickly.

Depending on the requirements of the project, any number of base plates can be put together to rapidly create a fascinating 3D light sculpture.



product  
design award

2013



## LED Textile Technology Bring Spaces Alive

Imagine creating a dynamic space with the power to engage and attract, surprise and delight, uplift and inspire. One that's so flexible you can change it to reflect every mood and moment or enhance a corporate identity. That's the beauty of luminous textile. The new way to express emotions, add drama and bring spaces alive. It can create a welcoming atmosphere everywhere from bars and restaurants to shops.

### Creative Inspiration

Luminous textile is a revolutionary new way to enhance interiors with light, texture and dynamic content. It integrates multi-colored LEDs within textile panels to give you the ultimate creative freedom. Firstly, you can choose the size and number of panels as well as how you arrange them. Then there's an array of beautiful white or colored textiles to choose from including velvet-like fabrics and delicate weaves. And finally, you have total control of the dynamic content.

### Softened Sound

The soft texture of the panels also soothes the auditory senses. Unlike hard materials like glass, concrete and steel that can create acoustic problems, luminous textile helps to dampen noise and soften echoes. So it can play a practical, as well as decorative role.

### Design Flexibility

Luminous textile panels come in standard and customized sizes and can be arranged in numerous ways to bring each space alive. Create one huge mood wall as a dramatic backdrop to a room. Follow the rise of a staircase with staggered panels. Or scatter individual panels across a wall and spread the content across them. Anything is possible.

### Content Freedom

That's the beauty of luminous textile. Use our standard content portfolio to add decorative effects, produce natural ambiances and reinforce a brand identity. Or customize the content to create your own personal look and feel. There are endless ways to play with color, movement and light.

### Kvadrat Soft Cells

The panels are finished with beautiful Kvadrat textiles and use the Kvadrat Soft Cells acoustic panels with patented technology to keep the fabric under constant tension within the aluminium frame. With a choice of rich colors and high quality textiles, you can be sure that the panels will always look stunning – even when the dynamic content has been switched off.

### Explore The Possibilities

As a sensory experience, luminous textile is like nothing you've ever seen before. The combination of soft, diffused light and the aesthetics of the material creates a very special effect that has an almost dreamlike quality. With design freedom and fully customizable content, luminous textile makes the possibilities for mood creation endless.





# Effective Control For Energy Efficient Lighting



Pôle de commerce et Loisir Confluence, Lyon Architecte Jean-Paul Viguier et associés, Concepteur Lumière Alexis Coussement et Charles Vicarini – Photo Xavier Boymond.

LED lighting controls help to create inviting environments in which light enhances people's lives. They can also cut energy usage and save money.

Today, we all know that our energy consumption comes at a price. Commercial, institutional and industrial buildings account for about half of total energy consumption. And up to 35% of the electricity used in an office building is spent on lighting.

Philips' suite of lighting controls – from standalone controls to advanced integrated network solutions – make it possible to improve the lighting, appearance and energy efficiency of almost any environment.

## Increase customer engagement, reduce energy costs and impact your bottom line

Philips advanced lighting control solutions can help retailers strengthen brand identity, attract customers and minimize energy use and operating costs. The systems can control a wide range of luminaires including the latest energy-saving LED technologies.

## Delivering shopping malls a competitive edge with digital solutions

Using energy efficient LED lighting and controlling it effectively with Philips Lighting control solutions creates comfortable, inspiring and memorable in-store environments. This will enhance the customer's shopping experience and encourage them to spend more time in the mall.





# Innovating for a Better Environment

## Innovative Lighting Solutions For Green Certification

We believe in energy-efficient lighting solutions for shopping malls that reduce environmental impact and save costs, while enhancing the customer experience.

A Philips innovative lighting solution upgrade can help reduce your energy usage significantly. It will also complement and make the most out of natural light, for more savings without compromising your customers' experience. Look into the following approaches and discover the best lighting upgrades for your shopping mall.



### STRATEGY 1 Lamp Upgrade

The easiest way to save energy is to switch from a conventional light source to LED technology. You can look forward to ongoing energy savings of 54 - 75%, while Philips LED retrofit solutions allow you to save up to 80% on energy usage.



### STRATEGY 2 Luminaire Upgrade

To achieve significant energy savings, upgrade to Philips luminaires with LED technology. Philips LED products are RoHS compliant, and offer a maintenance-free lifetime of up to 50,000 hours.

Philips recessed luminaires save you an additional 10 - 20% on top of the lamp upgrade without compromising on the quality of light. Savings can be further enhanced with the latest lighting controls.



### STRATEGY 3 Lighting Control Plus

Philips offers a comprehensive range of lighting control solutions that can save even more energy. The Philips occupancy sensor automatically switches lights on and off depending on the occupancy rate of the area. The Philips Daylight adjusts lighting levels according to sunlight to give off just the right amount of light. Time-clock controls and auto-dimming with Philips Occuswitch Dali will help you save even more.





Our innovative lighting solutions and services make it easy for you to acquire state of the art lighting that suits your requirements.

Philips Lighting Services



Lighting Solutions	Services	Lighting Update
Philips Lighting Products	Lamps & ballast/driver	√
	Luminaires	√
	Lighting controls & accessories	√
Philips Lighting Advisory Services	Energy Audit	√
	Solution design	√
	Support on tax subsidies	+
Philips Lighting Capital	Financing	√
Philips Lighting Project Services	Project Management	√
	Installation	√
	Integration & Programming	√
	(Commissioning)	√
Philips Lighting Lifecycle Services	Support	√
	Maintenance	√
	Performance	√
	Support for extended warranty	√

√ Core Feature    + Based on local regulation

Advisory Services

We can provide clear insight into your current lighting situation, as well as into the possibilities and benefits that new lighting systems could offer in terms of energy efficiency, revenue enhancement and sustainability. The services include Energy Audits at a variety of different levels and Solution Design to make potential new solutions clear, concrete and achievable.

Project Services

Now you no longer have to deal with a wide variety of different parties to make a state-of-the-art lighting solution a reality. Philips Lighting Solutions can take on complete project management, installation, integration, and programming – either on our own or in collaboration with your preferred suppliers.

Lifecycle Services

We help ensure that outstanding, high-performance lighting solutions stay that way for many years to come. Our Support, Maintenance, and Performance Services help future-proof not only your new lighting systems, but also your peace of mind.

Philips Lighting Capital





We offer a transparent, hassle-free and cash-flow-friendly payment program that makes it possible to acquire an outstanding lighting solution right away – even on a restricted budget. Our payment program covers all project costs except Lifecycle Services, with payment spread over time in line with your carefully pre-calculated energy savings and/or cash flow profile. The goal is to help you achieve a positive cash flow, starting from day one!

Building Blocks









Aside from solutions and services, Philips Lighting obviously offers customers the outstanding products that are the 'nuts and bolts' of a total lighting solution. These include the latest in sustainable, energy-efficient lamps, attractive luminaires, highly intelligent controls and smart software that pulls it all together. And with software updates, your system will always be completely current with the latest technology.













HID Lamp Upgrades

		Performance			
Conventional Lamp	Conventional Lamp (Upgrade)	Type	Lumen Output (lm)	Lifetime (hrs)	Energy Savings
 CDM 70W Standard	 CDM Elite T/Tc	CDM -T/Tc 70W Standard	6600	12,000	-
		CDM Elite T/Tc 70W 930 or /942	7800	15,000	-
		CDM Elite T/Tc 50W 930 or /942	5400	20,000	30%
 CDM 35W Standard	 CDM Elite T/Tc	CDM -T/Tc 35W Standard	3300	12,000	-
		CDM Elite T/Tc 35W 930 or /942	4000	15,000	-
		CDM Evolution T/Tc 20W /930	2200	20,000	48%

TL Lamp Upgrades

		Performance			
Conventional Lamp	Conventional / LED Lamp (Upgrade)	Type	Lumen Output (lm)	Lifetime (hrs)	Energy Savings
 TLD Standard	 TLD Super 80	TLD Standard 36W	2500	15,000	-
		TLD Super 80 36W	3050	13,000	-
 TLD Standard	 TL5 RetroSave Essential	TLD Standard 36W	2500	15,000	-
		TL5 RetroSave Essential 28W	2700	20,000	22%
		Essential LEDtube	1600	30,000	44%
		Internal Standard LEDtube	1650	40,000	47%
		Performance LEDtube	2100	50,000	39%
 TL5 Essential View	 TL5 Essential	TL5 Essential View 28W	2450	15,000	-
		TL5 Essential 28W	2700	20,000	-
 TL5 Master	 TL5 Master Eco	TL5 Master 28W	2700	25,000	-
		TL5 Master Eco 25=28W	2700	25,000	10%

Luminaire Upgrades

		Performance			
Conventional Luminaire	LED Luminaire (Upgrade)	Type	Luminaire Lumen Output (lm)*	System Power Consumption (W)	Energy Savings
 FBHI 45	 GreenSpace LuxSpace	FBHI 45 2 x 18 W PLC	1000 ~ 1200	45	-
		GreenSpace Mini	900 ~ 1200	13	71%
		LuxSpace Mini	1000 ~ 1100	12	73%
 HPK200	 Mini 500 LED	HPK200 250 W HPI	11200	275	-
		Mini 500 LED	13000	125	55%
 TMS012	 GreenPerform LED Batten	TMS012 2 x TLD 36 W	3840	90	-
		GreenPerform LED Batten	4000	40	52%
 ConTempo	 ConTempo LED	ConTempo HPIT 250 W	13100	275	-
		ConTempo LED	13000	150	45%
 Tango	 Tango LED	Tango HPIT 400 W	26600	425	-
		Tango LED	25000	270	36%

\* Note: Luminaire lumen output = lumen output generated by the light source x LOR (light output ratio)  
LOR = Ratio of the actual flux output emitted by luminaires and the flux output emitted by the light source.  
Disclaimer: Figures here are indicative, may vary accordingly to product availability and local conditions. Please contact your local Philips representative for more information.



# Philips Lighting Solutions Product Overview

## Façade



### ColorGraze Powercore

- High-performance illumination and beam quality (superior color consistency)
- Compatible with industry-leading controls
- Custom configurations for special applications



### ColorReach Powercore

- Unparalleled light output
- Unique split design to support diffuser combinations
- Compatible with industry-leading controls



### ColourBlast Powercore

- Superior output of vibrant colored light
- Versatile light positioning
- Compatible with industry-leading controls



### ColorBurst Powercore

- Full-color light output
- Versatile light positioning
- Compatible with industry-leading controls

## Landscaping



### CitySpirit Bollard

- Perfect integration in the urban architecture, with luminaire, mast and bracket designed as an integrated concept
- Matches excellent urban lighting performance during darkness hours with outstanding aesthetics during the day
- Wide choice of masts, brackets, lanterns and optical elements offers complete, elegant solutions for every situation



### CitySpirit Cone

- Perfect integration in the urban architecture, with luminaire, mast and bracket designed as an integrated concept
- Matches excellent urban lighting performance during darkness with outstanding aesthetics during the day
- Wide choice of masts, brackets, lanterns and optical elements offers complete, elegant solutions for every situation



### CitySoul LED

- Significant energy savings (up to 80% compared to HPL) without compromising on quality of light
- Serviceable and upgradeable within 1 minute – capitalize immediately on increasing LED efficiencies
- Uniform light distribution with no risk of black spots when LEDs fail



### C-Splash 2

- Rugged and watertight; extremely low-maintenance
- Choice of beam angles and light positioning
- Compatible with industry-leading controls

## Customer Drop Offs



### LuxSpace, surface mounted

- Energy savings
- Top-quality light (3000 or 4000K)
- No need to reconfigure ceiling



### GreenSpace

- Energy savings
- High uniformity and good color rendering
- 'Fit and forget' solution



### ConTempo LED

- Energy savings
- Long lifetime and free from lamp replacement
- Easy to install and low maintenance cost
- Flexible in lighting application and good reliability



Philips has a complete range of lighting solutions for shopping mall applications. Find out more at <http://www.ecat.lighting.philips.com/1/>



- eW Cove MX Powercore**
- Maximum light output
  - Multiple options for design and application flexibility
  - Cost-effective, easy to install and long lifetime



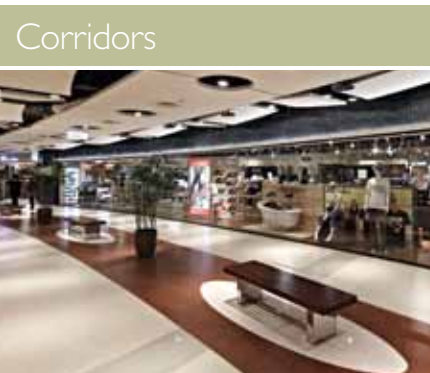
- iColor Accent MX PowerCore**
- Rugged, durable construction for long term use
  - Supports long runs of products without the need for new power or data
  - Individually controllable in 30mm to 1200mm wide segments



- LuxSpace Compact Power**
- Highly efficient, dimmable downlight in a choice of sizes
  - Latest LED technology for consistent light output, stable color performance and good color rendering (Ra > 80)
  - True 'fit and forget' solution with easy installation and a long: 50,000-hour lifetime that puts an end to the need for costly, time-consuming relamping



- Tango LED**
- Energy savings
  - Long lifetime and free from lamp replacement
  - Easy to install and low maintenance cost
  - Flexible in lighting application and good reliability



- LuxSpace**
- Energy saving replacement for conventional downlight applications using CFL or halogen equivalents
  - Delivers consistent light output, stable color performance and high color rendering
  - Easy to install with a long lifetime
  - Full dimming capabilities



- GreenSpace**
- Energy savings
  - High uniformity and good color rendering
  - 'Fit and forget' solution



- StyliD Mini, recessed**
- Freedom and flexibility – wide range of exchangeable parts
  - Quality of light – color consistency through optic technology
  - Outstanding efficacy – compared to halogen



- PowerBalance Mini**
- High efficacy of more than 90 lm/W
  - Good-quality lighting solution for direct replacement of compact fluorescent luminaires
  - Significantly lowers operational costs, resulting in attractive payback time



- LuxSpace**
- Energy saving replacement for conventional downlight applications using CFL or halogen equivalents
  - Delivers consistent light output, stable color performance and high color rendering
  - Easy to install with a long lifetime
  - Full dimming capabilities



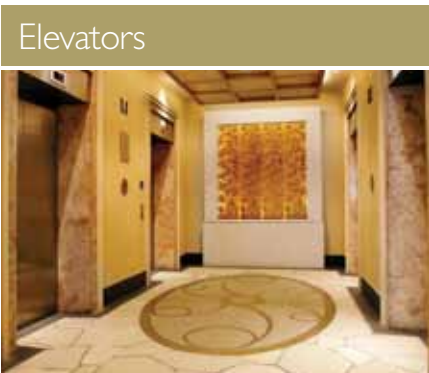
- GreenSpace**
- Energy savings
  - High uniformity and good color rendering
  - 'Fit and forget' solution



- iColor Flex MX**
- Flexibility in configuration and full-color, dynamic lighting effects
  - Supports cost-effective video displays
  - Compatible with industry-leading controls



- iPlayer 3**
- Stores and plays custom-authored or pre-programmed light shows – after uploading, shows can be accessed for editing
  - Controls up to two full DMX universes or 340 individual RGB luminaires
  - Five touch-sensitive preset buttons and an LCD interface allow navigation between different operating modes



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  - Full dimming capabilities



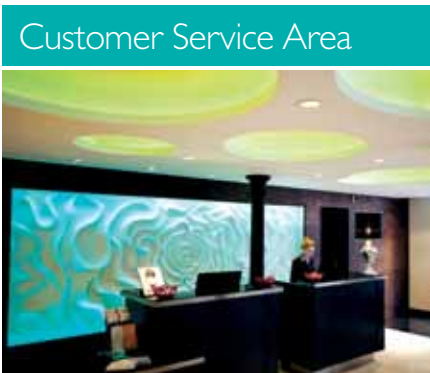
- GreenSpace**
- Energy savings
  - High uniformity and good color rendering
  - 'Fit and forget' solution



- eW Cove MX Powercore**
- Maximum light output
  - Multiple options for design and application flexibility
  - Cost-effective, easy to install, and long lifetime



- MRI 6 7W T G**
- Energy saving with excellent lumen output, increased beam intensity and low maintenance costs
  - Easy to install as it is compact, has broad transformer compatibilities and the same dimension/socket as Halogen MRI 6 lamps
  - Creates an ideal merchandizing atmosphere with its flexible design, unique beam angle (24D/36D) and reduced noise issues



- LuxSpace**
- Energy saving replacement for conventional downlight applications using CFL or halogen equivalents
  - Delivers consistent light output, stable color performance and high color rendering
  - Easy to install with a long lifetime
  - Full dimming capabilities



- GreenSpace**
- Energy savings
  - High uniformity and good color rendering
  - 'Fit and forget' solution



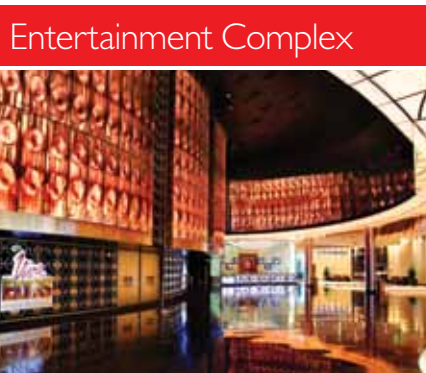
- eW Cove MX Powercore**
- Maximum light output
  - Multiple options for design and application flexibility
  - Cost-effective, easy to install, and long lifetime



- Luminous Textile**
- Create and customize your own dynamic themes to create unique mood panels and bring your ideas alive
  - Combination of fluid content on colorful fabrics with different textures stimulates the senses to heighten emotions and enhance moods
  - Textile panels come in standard and customized sizes for the ultimate design flexibility



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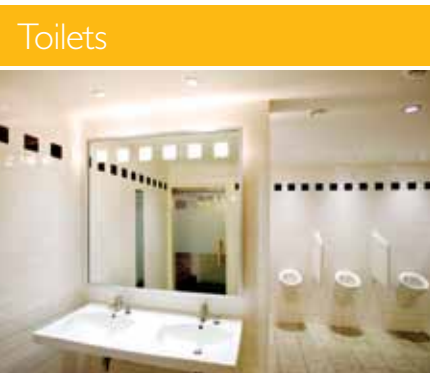
- ColorFuse Powercore**
- Limitless choice of colors and full-color dynamic effects
  - Intense light output in narrow beam for grazing applications
  - Flexible mounting and positioning



- iW Cove MX Powercore**
- High-performance illumination with adjustable color temperature
  - Flexible mounting and positioning
  - Easy to install



- iPlayer 3**
- Stores and plays custom-authored or pre-programmed light shows – after uploading, shows can be accessed for editing
  - Controls up to two full DMX universes or 340 individual RGB luminaires
  - Five touch-sensitive preset buttons and an LCD interface allow navigation between different operating modes



- MR16 7W T G**
- Energy saving with excellent lumen output, increased beam intensity and low maintenance costs
  - Easy to install, compact, broad transformer compatibilities and the same dimension/ socket as Halogen MR16 lamps
  - Ideal merchandizing atmosphere with its flexible design, unique beam angle (24D/36D) and reduced noise



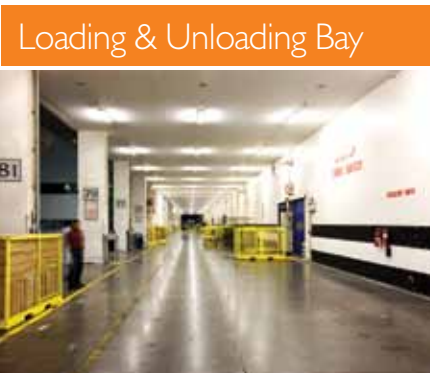
- StyliD Mini, recessed**
- Freedom and flexibility – wide range of exchangeable parts
  - Quality of light – color consistency through optic technology
  - Outstanding efficacy – compared to halogen



- Smart Halogen Downlight**
- Affordable yet highly effective accent-lighting solution
  - Safe and durable
  - Wide choice for customers; contemporary sophistication



- OccuSwitch**
- Energy savings
  - Works with almost all lamp and luminaire types
  - Easy to install, enables even faster installation by optional Wieland connectors



- Mini 500 LED**
- Maximum energy saving
  - Optimum use of light
  - Ultimate reliability
  - Ease of installation



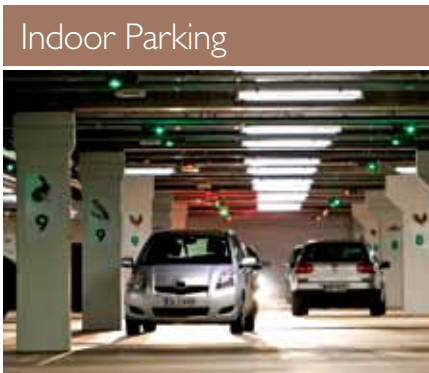
- GreenPerform LED Waterproof**
- High system efficacy
  - Easy to install for various applications
  - Quality lighting with good color uniformity
  - Reliable and sustainable lifetime



- GreenPerform LED Batten**
- High system efficacy
  - Easy to install for various applications
  - Quality lighting with good color uniformity
  - Reliable and sustainable lifetime



- ConTempo LED**
- Energy savings
  - Long lifetime and free from lamp replacement
  - Easy to install and low maintenance cost
  - Flexible in lighting application and good reliability



- GreenPerform LED Batten**
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  - Easy to install for various applications
  - Quality lighting with good color uniformity
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- GreenPerform LED Waterproof**
- High system efficacy
  - Easy to install for various applications
  - Quality lighting with good color uniformity
  - Reliable and sustainable lifetime



- MASTER LEDtube**
- No compromise in light effect, environmentally friendly
  - Reduce energy consumption on site up to 60%
  - Zero maintenance required within 10 years
  - Fastest way to upgrade



- CitySpirit Street**
- Significant energy savings (up to 80% compared to HPL) without compromising on quality of light
  - Uniform light distribution



- Mini 500 LED**
- Maximum energy saving
  - Optimum use of light
  - Ultimate reliability
  - Ease of installation



- Mini 300 Stealth LED**
- Upgradable best-in-class optics for maximum flexibility
  - Highly efficient for substantial energy savings; optional integrated controls allow additional savings
  - Elegant design guarantees optimum visual integration in the application



- GreenVision Xceed**
- Maximize energy savings
  - Simple and economical
  - Excellent reliability with rated life at 50,000 hours





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March 2013