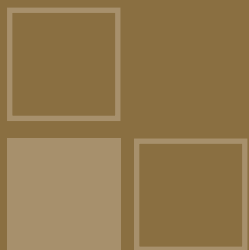
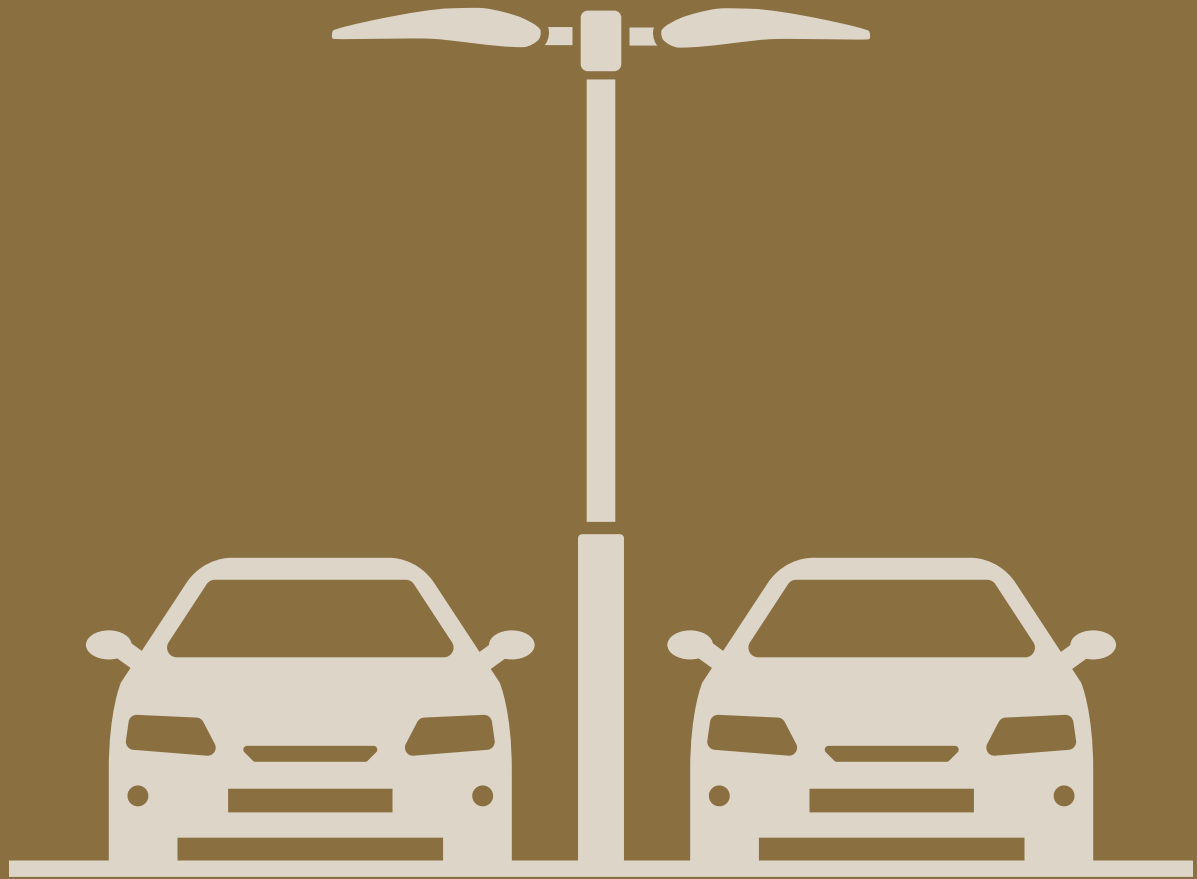




**LUX**  
Manufacturer  
of the Year 2018



Lighting for **Urban**

# Tamlite Lighting

Tamlite Lighting is no ordinary lighting manufacturer. Founded in 1967, we live and breathe our philosophy of Lighting for a Living. For us, it is much more than a marketing tagline. It crystallises how we think about light and the impact it has on every aspect of our lives.

How we live, work, play, learn and exist are all basic human needs that are influenced by light. Creating environments that are perfectly lit - comfortable, practical, efficient, safe and inspiring - is what we do, and it is what we have done well for over 50 years.

As we have expanded, Tamlite Lighting remains committed to its British roots, with extensive R&D, testing and manufacturing activities managed out of factories in Redditch and Telford. This gives customers the assurance that any Tamlite product has been made with quality in mind.

Today, Tamlite offers over 500 product ranges and in excess of 15,000 products, cementing its place as one of the industry leaders in cutting-edge lighting solutions.

The purpose of this brochure and topics below is to demonstrate how Tamlite can provide the ideal lighting solutions for urban environments.

- The role of lighting in external areas
- Tamlite commitment to reducing light pollution
- Lighting to Reduce Crime
- Lighting requirements across urban applications
- Key products
- Urban case studies



# Lighting for Urban

Tamlite designs, manufactures and supplies outstanding lighting solutions to a wide range of sectors. Having achieved the LIA Quality Assurance award, and as a BAFE registered company, Tamlite provides quality lighting products and schemes for a variety of applications. Tamlite is an industry leader in providing outstanding solutions for the urban sector, designing and supplying lighting systems that make people feel safe and secure outdoors, reduce light pollution and remove shadowing.





# Urban

A high quality urban lighting design creates a balance between light and darkness, focusing the light without turning the light sources into glare points. A well-designed urban lighting system can significantly reduce night crime, ensure safe navigation through the outdoor space and create stunning architectural effects, all while making a conscious effort to reduce light pollution. A well-spaced solution, using quality luminaires, can illuminate the whole area while keeping the light only where it needs to be.

Urban lighting dramatically reduces accidents such as trips and falls, as well as limiting night time crime and vandalism. Shadows created by curbs, steps or misplaced objects can be minimised, allowing people to safely move through the area, with a reduced risk of a potentially serious accident.





# Lighting for Dark Sky

Over-illumination at night causes unnecessary glare and light pollution. Light pollution occurs when light is emitted into the atmosphere and reflects off of dust, water vapour and particles in the air, particularly when overcast. Reducing upward light emissions will significantly reduce light pollution.

Light that is directed on areas of interest provides visible spatial depth, aiding the feeling of safety and allows safe navigation, as well as reducing the spill of illumination.

The ecology and behaviour of nocturnal animals can be significantly disrupted by artificial light. It can negatively impact upon their natural rhythm, diet and sleeping pattern, which is particularly important for endangered or threatened species.



ULOR (Upwards Light Output Ratio) describes the amount of upward light distributed from a luminaire. For urban lighting solutions, this ratio needs to be as small as possible, to ensure that the output is angled downwards, only where it needs to be.



Light spill can also affect other people. In residential areas, uncontrolled light into homes can cause disruption to sleep, which can have negative effects on people's wellbeing. This particularly affects houses that are adjacent to commercial properties.



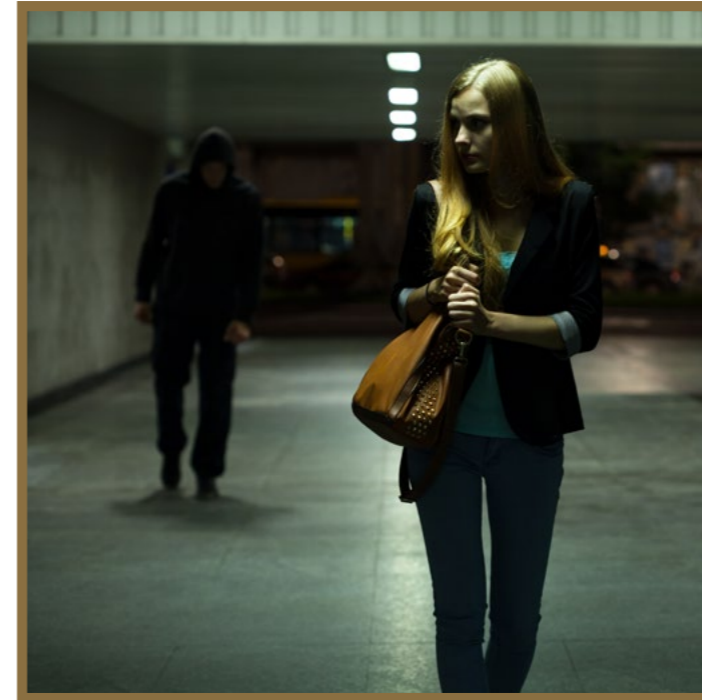
# Lighting to Reduce Crime

If an area is sufficiently illuminated, it stands to reason that crime levels drop. Theft, vandalism and violent crime rates are all affected by inadequate lighting.

Public safety, as well as the security of residents and staff, can be boosted by the right level of outdoor lighting. For those moving around streets or car parks after dark, the lighting should improve the feeling of safety.

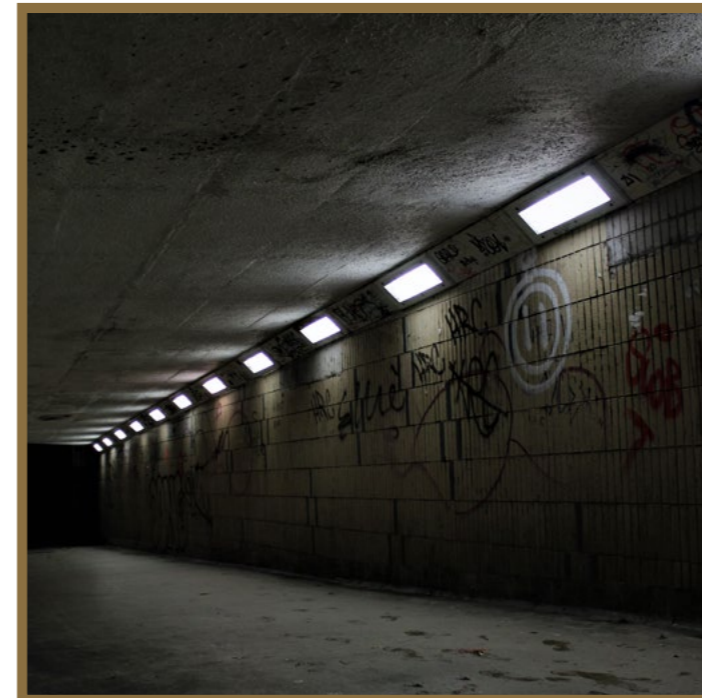
Shadows and dark spots can be used to avoid detection and promote fear. Consistent light levels limit such effects and reduce the opportunity for people to commit criminal acts.

The level of illumination at different times of night is key. In the evening, exterior lighting eases the transition between day and night, allowing people to adjust to darkening skies. This is particularly important in the Autumn and Winter as daylight levels are low during rush hour, and many people are walking to or from work.



At night, lighting can be a comforting companion for people walking through public spaces, or an effective deterrent against criminal activities. Crime prevention and increasing the feeling of safety for people at night is paramount.

## OVER 20% REDUCTION IN NIGHT TIME CRIME WITH URBAN LIGHTING\*



In areas with a high vandalism rate, it is important that the luminaires used to boost security cannot be vandalised themselves. IK10 rated lighting solutions are able to withstand strong impacts from external objects, to ensure that they do not suffer permanent damage. See our website for more information on IK Ratings.

\*UK College of Policing



# Lighting for Urban



## Car Parks

Car parks are often used 24/7, which can be costly. Energy efficient lighting must also aid visitor safety. Drivers can be distracted, therefore need help to focus on where they are going safely, and pedestrians must be seen in order to avoid accidents. Low angle output ensures that the light is only directed where it needs to be, illuminating the space without causing discomfort.



## Road Lighting

Along a pathway or pavement, there may be serious hazards to pedestrians, such as cracks, bumps or loose slabs. In order to detect these hazards and avoid them, people need to be able to see where they are going. An effective outdoor lighting solution illuminates the pathway without spilling into adjacent properties or residences.



## Floodlighting

Robust, tamper-proof lighting that can withstand extreme weather and temperatures, is crucial for floodlighting. Floodlights can be free-standing or wall-mounted, providing security around commercial buildings. Floodlights that utilise sensors or connected lighting technology can significantly reduce energy consumption, by only lighting the space when it is required.



## Façades

In corporate buildings, leisure establishments, and retail stores, creating a strong identity and stunning first impression for visitors and customers is vital. Discreet lighting that takes into account colour, intensity and detail, without clashing with the architecture can create stunning façade lighting displays. Building entrances and signage require high quality lighting to accentuate the features and get across the brand identity to visitors.



## Town Centres

In town centres, lighting should support the character of the town by showcasing architecture, to create a safe environment, encourage social interaction and improve orientation around the town. Accent urban lighting can turn a picturesque town centre into an architectural masterpiece.



## Emergency

To ensure that people remain safe in the event of a loss of mains power, emergency lighting must direct people to the nearest assembly point, as well as allow people to spot any hazards outdoors in an emergency.



# Urban Luminaires

Tamlite design and manufacture a wide range of luminaires for urban applications. Tamlite fabricates luminaires using high quality materials, so that they are resistant to water and dust ingress, as well as being able to withstand impact from vandalism and changing weather conditions, to provide the ideal urban lighting solutions.

Luminaires designed to reduce upwards light illumination, as well as providing tightly controlled distribution and beam angles, ensure that the light is only directed where it needs to be.

Tamlite Lighting is the inaugural winner of the LIAQA award, demonstrating our product quality.



**TAURUS**

- High performance optic
- Maximum of 15m spacing, at 3m mounting height
- Dark sky optic to reduce upward light output with less than 2% ULOR



**PLAZA**

- High performance post top lantern
- Suitable for pedestrian zones and car parking areas
- Easy clip-on design for quick install and maintenance



**FRESCO**

- High output bollard
- Ideal for pathways and pedestrian areas
- Symmetric distribution



**EXPLORER**

- High performance floodlight for car parking and sports applications
- Range of 6 different outputs in 3 body sizes
- Choice of asymmetric or double asymmetric beam angles



**CITY GL**

- High output ground light for architectural applications
- High quality build for fit-and-forget installations
- Vandal resistant (Maximum load at 30mph of 1840kg)



**HURRICANE**

- Designed for exterior use
- Suitable for vandal resistant areas
- Integral emergency option



# Case Study

## Dixons Carphone

### Newark

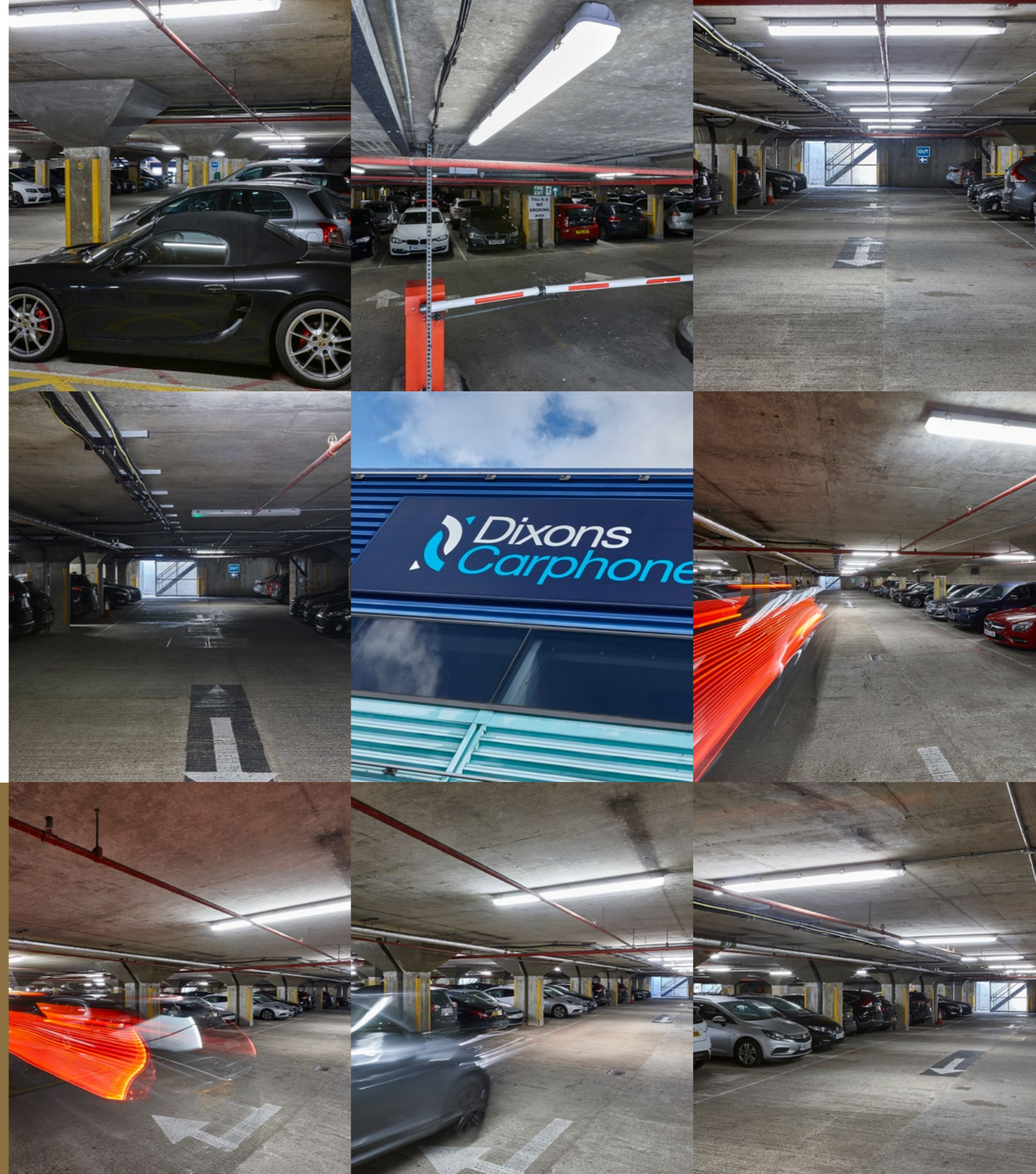
Dixons Carphone is one of the most popular phone tech companies in the world. Its distribution centre in Newark is one of the biggest in the country, and has around 3000 people working at the site.

The large workforce means that there is a sizeable car park at the site. The lighting throughout this car park has been supplied by TamLite Lighting.

To maintain energy efficiency, fittings were installed with integrated HFS sensor options, to only illuminate the space when and where it needs to. Reducing energy consumption is vital in large companies such as Dixons Carphone, so it was important that the time of use was reduced.

Weatherproof battens were installed in the multi-story carpark. These IP65 rated polycarbonate luminaires are ideal for urban environments, as they resist damage by water ingress.

The external spaces were illuminated with floodlights. These light up the exterior space, allowing staff and visitors to feel safe and secure as they move around the urban area.



## Products Used



XTREME



HURRICANE



MARINER



# Case Study

## BGL

### Peterborough

The insurance giant BGL Group (owners of comparethemarket.com) modernised their head office in Peterborough with Tamlite Lighting solutions. BGL is a modern, fast-paced company, and Tamlite were quick to supply an array of lighting solutions, which were rapidly installed, to provide a fast turnaround.

The exterior luminaires delivered an attractive, contemporary design to the building, and were significantly more energy efficient than the previous fittings.

BGL were supplied with lanterns in the car park. These visually appealing luminaires provide an even, shadow-free lighting design, ideal for the exterior space of a modern company such as BGL. The light distribution of the fittings is angled directly down. This prevents the spill of light pollution, but also ensures that drivers and passers-by are not dazzled by the powerful lighting.

Bollards were also supplied to the walkways and pavements around the building. These discreet fixtures illuminate the path, allowing pedestrians to see the space around them, without glare.

The luminaires are also energy efficient, providing a 61% energy saving in comparison to the previous urban lighting system.



## Products Used



PLAZA



FRESCO





# Case Study

## Holiday Inn

### Portsmouth

Holiday Inn Express Portsmouth North, part of the global chain IHG, is a modern 150-bedroom hotel situated close to the A27 in Portsmouth. Popular with business, leisure and conference guests, the hotels' facilities include a large car park.

The lighting system used at the site previously did not light the space evenly, with illumination poor in some areas. Providing even light distribution across a car park, avoiding light and dark patches, is one of the key requirements of urban lighting.

Weatherproof, IP65 rated luminaires were supplied, which are ideal for external environments. Lanterns, with an IK10 impact rating, were installed, ensuring that the luminaires are vandal resistant.

Security was greatly improved at the site, and staff and visitors can feel safe as they walk through the car park at night, as the space is fully illuminated by the high-output luminaires.

LED lighting solutions are low maintenance in comparison to fluorescent or discharge fittings. Specialist equipment was required to access the maintenance gear of the previous fittings, whereas LED products can be maintained much more easily, should it be required.



## Products Used



PLAZA



EXPLORER RL



SLATE





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Redditch,  
Worcestershire,  
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Over 50 years Lighting for a Living

LIAQA AWARD  
WINNER 2017

