

> CASE STUDY

FAIRLAWNS HOTEL AND SPA
ALDRIDGE, WALSALL



FAIRLAWNS

HOTEL & SPA



Quick Facts

Signature >
patented low-transition
zone reduces glare.

Controlux Air >
cloud connected lighting
solution for optimised
energy savings.

40%
energy savings compared
to existing installation.

> CASE STUDY

FAIRLAWNS HOTEL AND SPA



BACKGROUND

Fairlawns Hotel and Spa is one of the UK's top 25 hotels. It is located in the West Midlands just north-east of Walsall and situated in rolling countryside. The hotel, itself, is set in nearly 12 acres (2.5 Ha) of landscaped grounds.

The hotel is family run and the son of the original owner decided that after many years of use, the floodlighting of the three exterior car parks should be replaced and upgraded.

Other exterior areas such as the wooden bollards, signage and tree lighting would also be replaced. Ancillary exterior pathways such as the staff entrance and access passageways were also to be upgraded.

CHALLENGE

The safety of guests and staff after dark is paramount where pedestrians may mix with slow moving cars. Hotel guests and visitors range from the very young to those with possibly impaired vision therefore good levels of illumination are required with a high degree of uniformity.

The challenge is to combine these requirements with the need to maintain the dark tranquillity of the rural countryside. The light fittings should also be attractive and not too "functional" in appearance.



SIGNATURE™

Provides smooth, uniform lighting from a surprisingly soft light source.



MINI CORNICHE™

A lighting system that is flexible and customizable.

THE SOLUTION

In order to blend with the rural surroundings and give a welcoming feel to the lighting, 3000K LEDs were used throughout. This is also more ecologically and Dark Skies friendly than Cooler LED temperatures.

There were several different areas to be considered and each required its own solution.

Approach and Entrance roadway

As guests approach from the Little Aston Road, A454, the gold and white “Fairlawns” entrance signs are illuminated by unobtrusive, low glare recessed Mini Corniche.

The inner roadway is illuminated using the sleek, contemporary Signature post-top lantern on 5m conical columns.

The Signature waveguide combined with the patented transition zone technology means that you can achieve comfortable, low glare lighting combined with the desired lighting levels.

Car Parks

These three areas were illuminated using 6m columns in order to minimise the number required. Here, 33 of the efficient City Max were used. These optically efficient post-top units are ideal for illuminating large areas whilst emitting zero upward light

Staff Entrance/Exit passageways

The passageways are almost constantly in use and are illuminated using the Denver ID wall mounted luminaires, which also benefits from the patented transition zone.

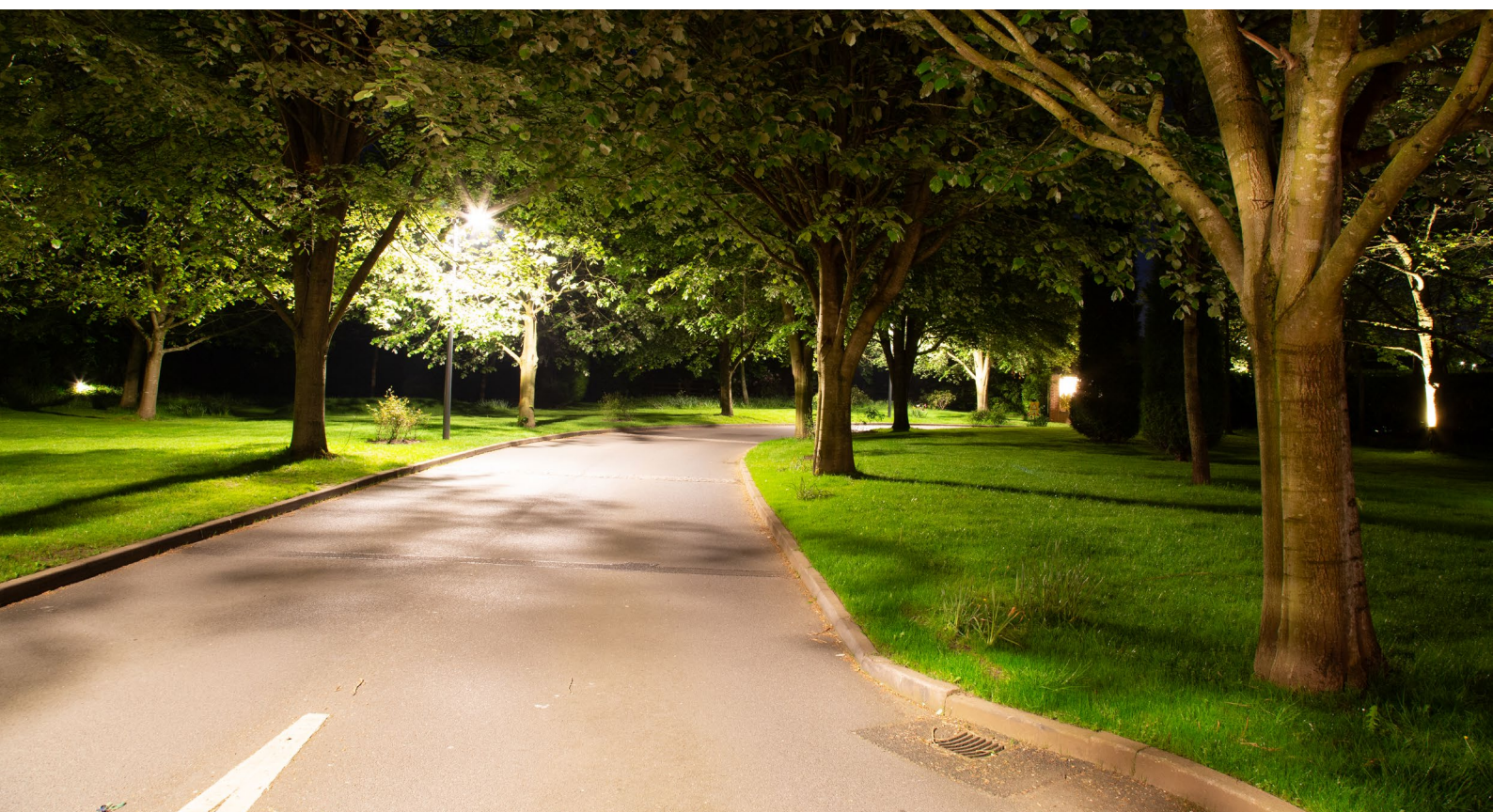
The doorway and fire escape areas along the route are also fitted with “Emergency” versions of the Denver iD Wall.

Particularly useful in this type of location is the option of five different distributions available for the Denver ID. Having a wide choice of distributions means flexibility when meeting the site’s requirements.

Other external areas

Lighting some of the more important trees was achieved using the compact Nano XL floodlight to illuminate the foliage.

The existing wooden bollards were fitted with the Team Round lantern at 600mm above ground.



FAIRLAWNS HOTEL AND SPA

Illumination levels and Control

Both the Signature and CityMax lanterns have IDA (International Dark Skies) Dark Sky approval.

The car parks were illuminated to 30 lux average and the roadway is illuminated to an average of 15 lux with a minimum of 5 lux.

To conserve energy, it was decided that, after midnight, the lighting in the car parks and entrance roadway would dim to 50% output. However, due to the nature of a hotel it was possible that guests would wish to

access the Car Parks and Entrance Roadway outside of these times, in which case, the lighting reverts to full output for a period of 10 minutes.

Similarly, the staff entrance/exit passageways would dim to 50% when not in use.

Dimming for all these areas was achieved using the Holophane Controlux Air system. This is a fully featured wireless communication, lighting control and external sensor interface.

Each luminaire is fitted with a ZD4i

node which communicates with other luminaires and sensor devices. For example, the Controlux motion sensor can detect pedestrians, cyclists and cars and can trigger up to 10 devices.

The degree of dimming, ON/OFF times, number of luminaires controlled etc, can all be easily configured using the Controlux lighting management dashboard.

Following the installation, it was reported that the new luminaires and controls had achieved an energy saving of up to 40%.



DENVER™ ID WALL

Combines a cohesive family aesthetic with an unrivalled system performance



Following the installation by **Beaden Powerlec (Fairlawns Electrical contractor)**, **John Pette**, the family owner, declared himself “delighted” and said that staff had commented on the improved lighting especially along the staff entrance/exit passageway.

> CASE STUDY

FAIRLAWNS
HOTEL AND SPA



CITYMAX®

Delivers a versatile urban lighting system with a modern, innovative design, for a variety of city applications.



> CASE STUDY

**FAIRLAWNS
HOTEL AND SPA**

TEAM WALL

Wall-mounted step marker
with great elegance



NANO XL

A small floodlight that is useful for enhancing gardens or individual flower bushes and plants.

