

Haynes Park Court

Romford, Essex



designplan
L I G H T I N G

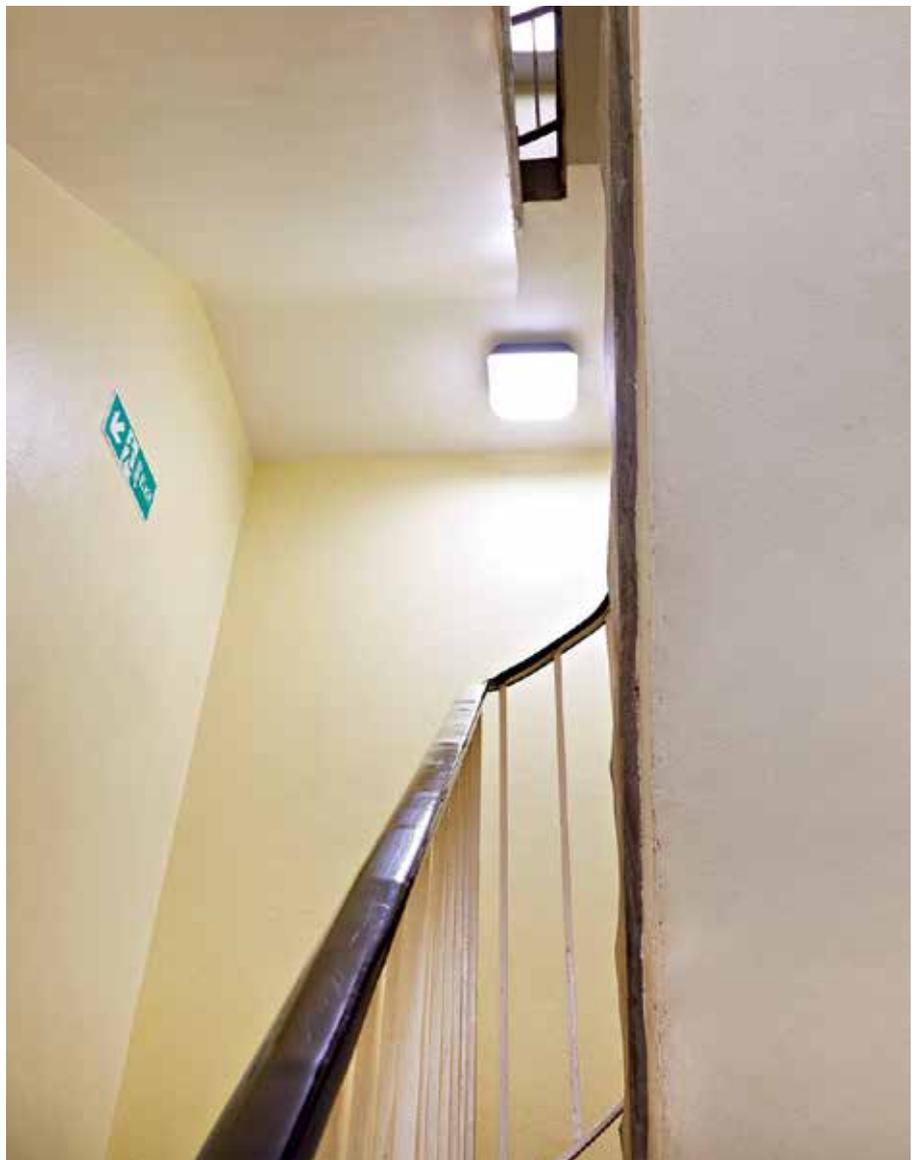
RF TECHNOLOGY | 60% REDUCTION IN ENERGY USE | LED | HIGH OUTPUT

Haynes Park Court consists of two tower blocks which were desperately in need of modernisation. The existing lighting had created a safety concern for the residents with dark stairwells and bleak corridors. London and Quadrant's (L&Q) brief was to replace light fittings on a point for point basis to minimise disruption and improve safety and lower running costs for residents.

We created a solution which incorporated microwave presence detectors with Radio Frequency (RF) Wireless Transmission into our QuadEvo luminaire to automate the lighting. When no one is present the lighting level drops to 10% output, remaining at this level to reassure residents. When someone enters the stairwell from any level, the luminaire sensor is triggered raising the light output to 100%, ensuring safe navigation.



Installing QuadEvo has helped reduce electricity consumption by circa 60%, as they use less than half the power (11.5 circuit watts) than the fittings they replaced (32 circuit watts). The integrated lighting controls help reduce energy and running costs still further. The LED light engine can also last up to 50,000 hours, up to 5 times longer than a traditional fluorescent lamp.



QuadEvo's 104 lm/W light output has ensured a brighter, more inviting environment for residents. Its IK14 rating means it can withstand up to 100 joules of impact, 5 times more than a standard IK10 fitting, limiting the threat of vandalism and enhancing durability.

Maintenance is quick and hassle free as the QuadEvo luminaire incorporates a removable diffuser and gear tray. The RF wireless controls are programmed and commissioned using a hand held remote control. Each luminaire parameter can be configured at any time and without having to access the fittings.

To aid installation our technical team attended site with Hill Electrical Services.

"Designplan have successfully provided a lighting solution which has improved the safety and surroundings of the residents at Haynes Park."

Trevor Kimber
London & Quadrant

"All Designplan's staff have been very professional and incredibly helpful and are a credit to the company."

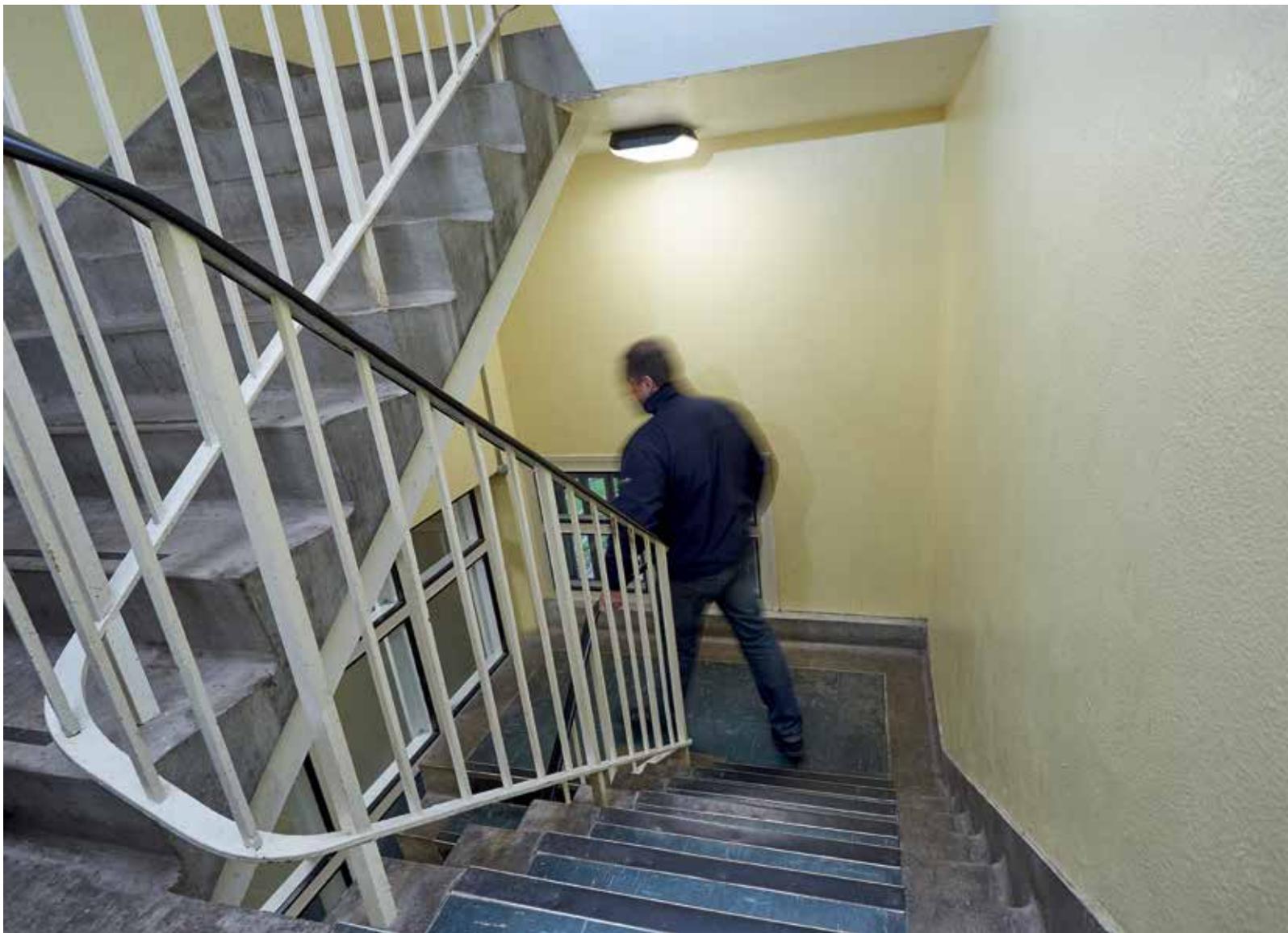
Ian Hill, Director
Hill Electrical Services Limited

Project Statistics

Client: London & Quadrant

Contractors: Hill Electrical Services Limited

Luminaires installed: QuadEvo



QuadEvo Statistics

IK14: Equivalent to 100 joules of impact (IK10 = 20 joules)
Warranty: 5 year guarantee (full product)

Performance: 104 lm/W
Energy reduction: 60%*

* When compared to an equivalent fluorescent fitting.

Designed to last

Transport



Social housing



Custodial



Secure healthcare



Urban



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