



Case study

Apex Car Rental, Brooklands

Location
Philips Lighting

Brooklands, UK
Gondola bulkhead, Mini 300, OccuSwitch,
CoreLine Recessed, CoreLine High Bay,
Vaya Flood, Pacific LED

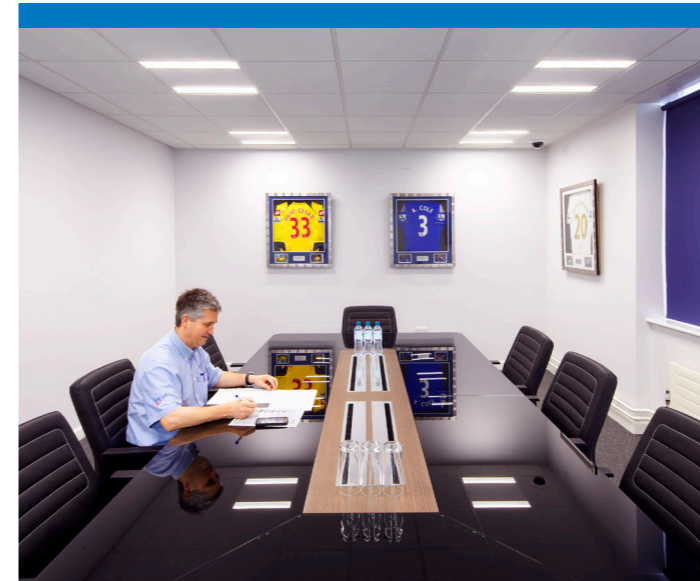


PHILIPS



“The new lighting is much cleaner and crisper and it also helps with the inspection of returned cars, as better lighting makes it easier to notice any damage. The feedback from staff has been very positive, so with the combination of better lighting, reduced energy costs and lower carbon emissions we are very pleased with the end result.”. Roland Standley, Managing Director, Apex

Cutting costs and carbon for Apex Car Rental



Fast Facts

- Customer**
Apex Car Rental
- Location**
Brooklands, Weybridge
- Philips Products**
Gondola bulkheads - Mini 300 LED
Occuswitch CoreLine LED Pane
- Project partners**
Philips Lighting
Addlestone Electrical
Newbery Smith Photography

Background

In reducing the energy costs and carbon footprint of its Brooklands facility, Apex Car Rental has selected a range of Philips LED luminaires to replace existing metal halide and fluorescent lighting

Apex Car Rental has a hire fleet of over 3,000 vehicles, which are available on short or long term rental from its head office in Eastbourne and the more recently acquired site at Brooklands, near Weybridge.

Managing Director Roland Standley recalled: “When we bought the Brooklands site we inherited some quite old and inefficient lighting both inside and outside the building. It was clear there was potential to make significant savings on both energy and maintenance costs by upgrading the lighting to LED. We had used LEDs at another branch but there were a lot of failures so this time we opted for Philips as we could rely on the quality - and Philips will replace any lamps that fail within the warranty period.”

Solution

Philips worked closely with Apex to identify the most cost-effective solutions using LED light sources for exterior lighting as well as in the offices, workshops, spray booth, valet area and petrol station. The chosen solution uses seven different LED luminaires and has reduced lighting energy consumption by 96,000kWh per annum, equivalent to at least £10,000 a year. It has also reduced carbon emissions by 67%.

In addition, annual maintenance costs associated with replacing lamps are predicted to reduce by £1,720 per annum, thanks to the long life of the LED light sources. For example, the exterior lighting used 37 x 400W metal halide floodlights mounted on 7 metre high masts - requiring special access equipment to change the lamps. These have now been replaced with 132W Vaya LED floodlights with a projected life of 15 years.

Similarly, LED high bay, Gondola bulkheads, Pacific surface mounted fittings and small floodlights have been sighted strategically in workshops etc. to optimise light distribution while reducing the installed electrical load. Major savings have been made in the petrol station area, where 25 twin fluorescent fittings have been replaced with just four Mini 300 LED 132W floodlights while improving the quality of the lighting and giving a payback of two years for this area.

In the offices, the existing fluorescent lighting has been upgraded to 42W CoreLine LED Panel recessed fittings and linked to Occuswitch automatic movement detectors to control the lighting in relation to occupancy.

“There was a tendency to turn the lighting on in the mornings when daylight levels were quite low and then forget it about it during the day, such is human nature,” Roland Standley explained. “The occupancy control ensures that the lighting is switched off when it’s not required but comes back immediately when someone is in the area.

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If you would like to see more projects or have an enquiry, please visit us at www.philips.co.uk/lighting or email: lighting.uk@philips.com



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