



CASE STUDY

Dixons Carphone Distribution Centre

Dixons Carphone Knowhow Retail Distribution Centre benefits from reduced energy consumption and improved lighting quality

As part of the company's commitment to reducing its energy consumption and carbon emissions, the lighting in Building 1 of the Knowhow distribution site in Newark was identified as a potential energy saving project.

In addition the existing lighting had exceeded its life expectancy and as a consequence, the light output was below expectation and the need for on-going maintenance was proving increasingly expensive.

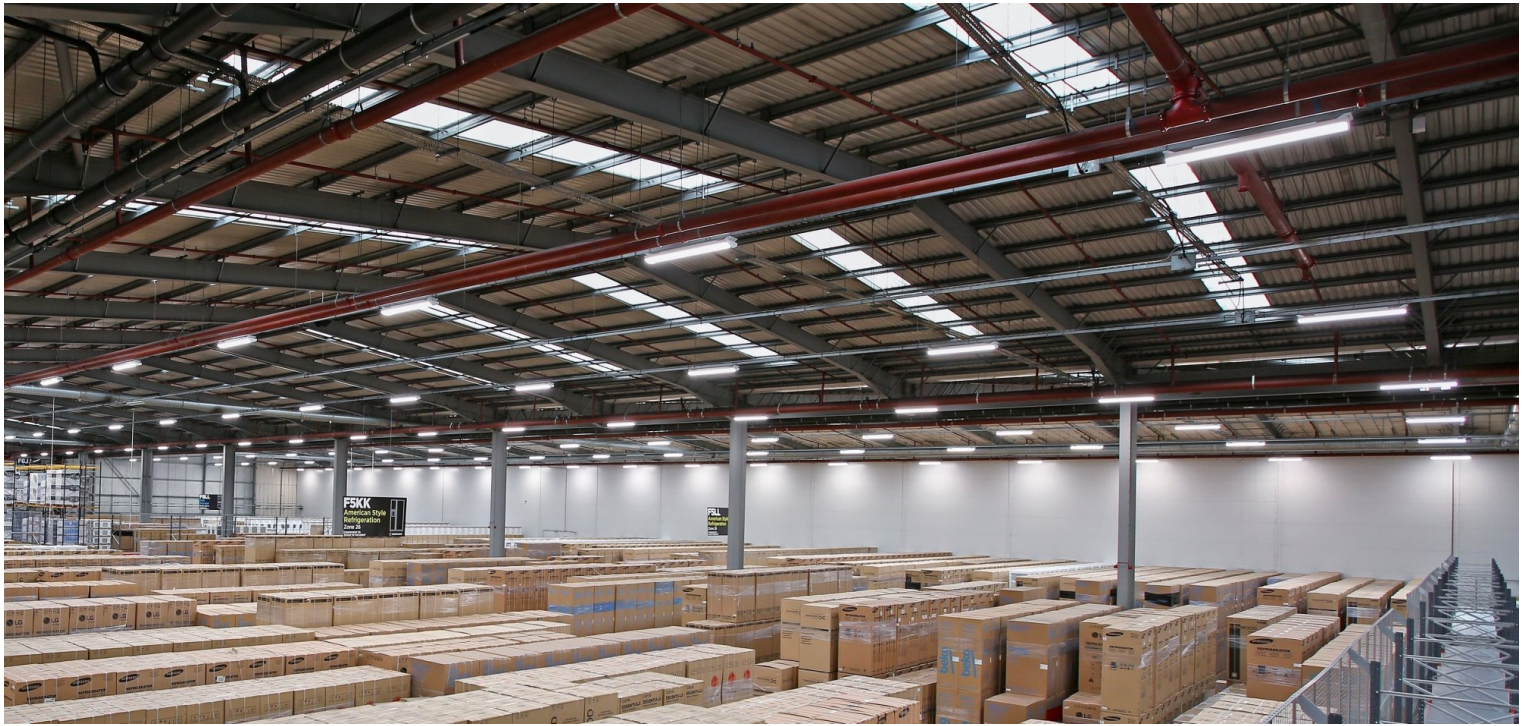
As parts of Building 1 houses some of the main storage, distribution and loading functions and operates 24 hours a day, Whitecroft Lighting identified the best option to deliver immediate practical benefits to the site and financial savings for Dixons Carphone plc.

Selected as a partner in the Department of Energy and Climate Change's Electrical Demand Reduction scheme, Dixons Carphone commissioned Whitecroft Lighting to carry out a point-for-point lighting replacement project.





Rapid installation



From appointment to completion, this replacement scheme took just 10 weeks and saw the installation of almost 1000 Aerial Twin LED luminaires and approx. 300 Harrier LED luminaires. This solution has not only more than halved the lighting-related energy consumption of Building 1, but also helped drastically reduce the CO2 emissions of the site.

Guy Bowden, Energy Manager at Dixons Carphone, was more than satisfied with both the speed of installation and the energy-saving results. Guy explained, “This site operates round the clock so it was essential that disruption was kept to a minimum. Whitecroft Lighting understood this and our contractor was able to complete the installation in just a few weeks. Since then, we have seen a big benefit in terms of slashing lighting-related energy use, along with reducing the related costs and CO2 emissions. Not only that, the quality of light delivered by the LED units is superb. Our team can work comfortably, safely and efficiently with the best lighting for the job.”

1,000

INSTALLED AERIAL LED
LUMINAIRES

300

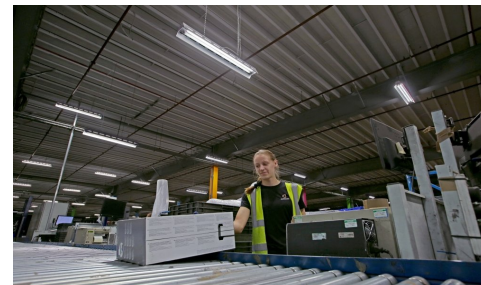
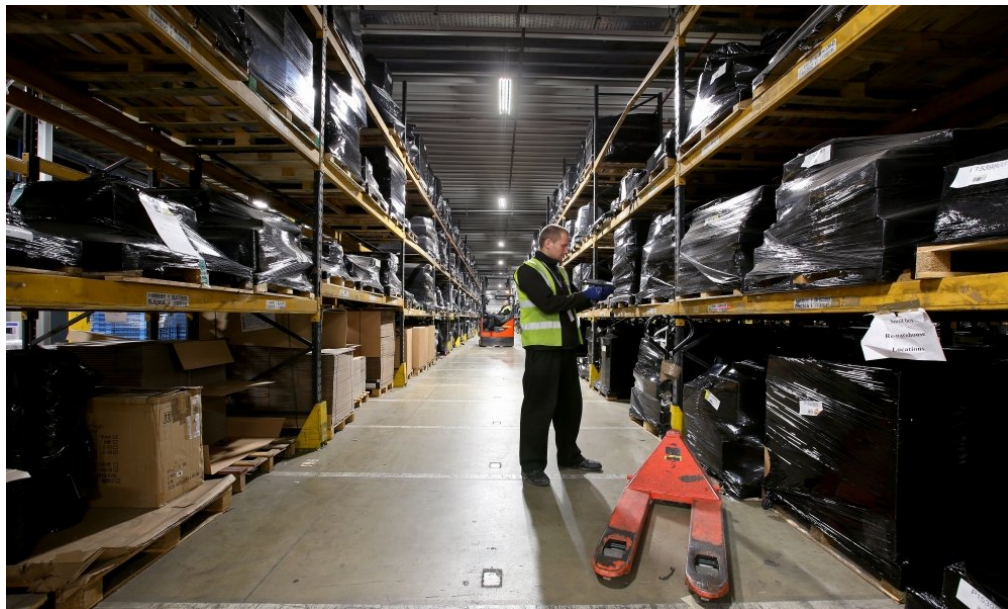
INSTALLED HARRIER LUMINAIRES

50%

LESS ENERGY CONSUMPTION



Key Facts



Knowhow Retail Distribution Centre

PROJECT NAME

Newark

LOCATION

£5.1M

PROJECT VALUE

Dixons Carphone

CLIENT

2016

COMPLETED



Key products



Aerial Twin



Harrier LED 1



Cascade LED