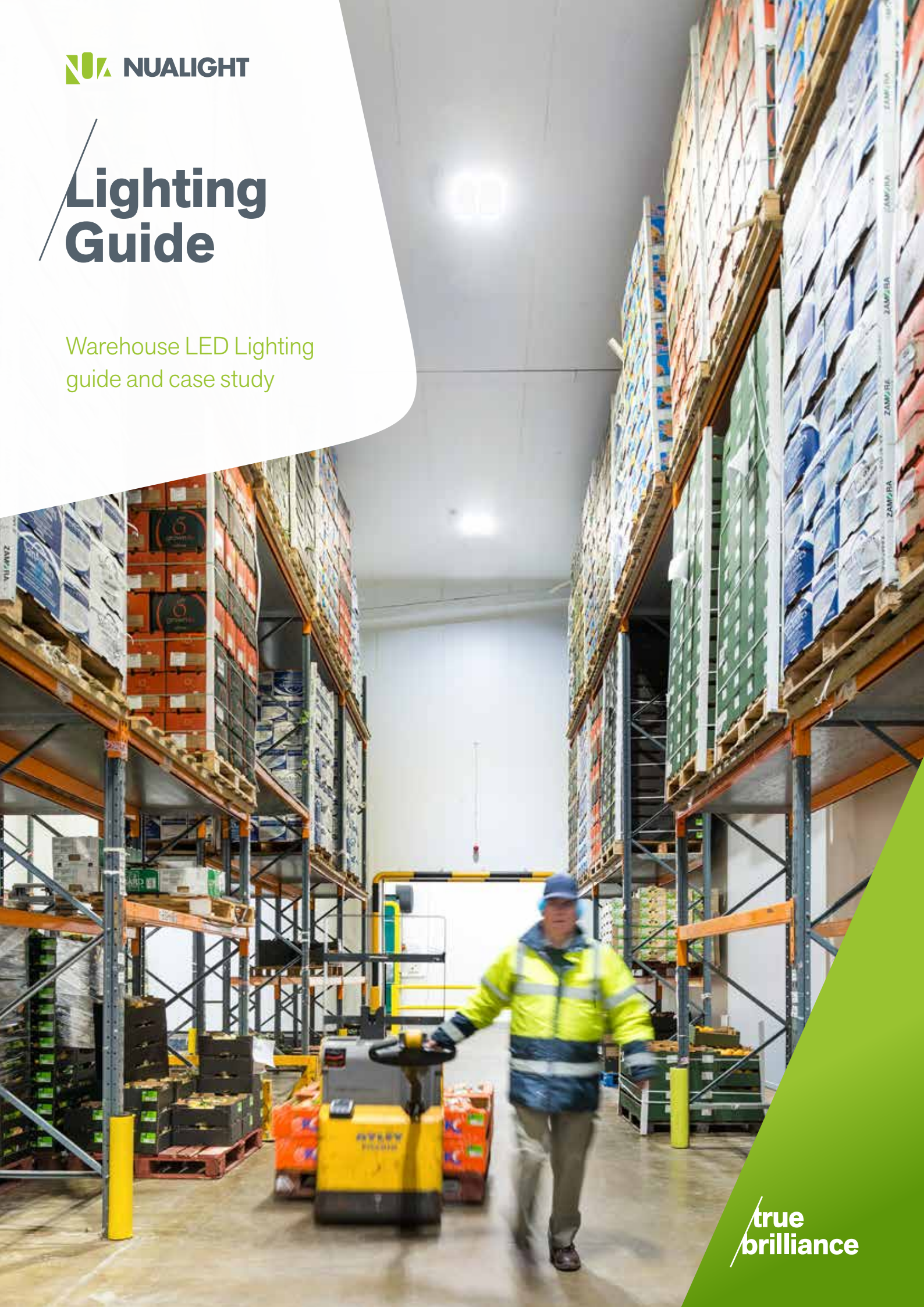


Lighting Guide

Warehouse LED Lighting
guide and case study



Does LED lighting make sense for warehouses?

There are many enticing incentives for switching your warehouse lighting to LED. These range from promises of phenomenal energy and operational cost savings to government grants.

However, spaces where heavy machinery and people operate need to have safety measures in place to minimise health and safety risks, therefore does LED lighting make sense for warehouses?

The easy win - energy

- Energy bills across the globe have steadily climbed over the past few years and warehouse lighting can be intensive. In fact, with the typical 24/7 hours of operation, simply changing your lighting from older technology to LED will almost instantly reduce your bill. Products such as Arc 2 high-bay are achieving savings of more than 50% compared to more traditional light sources.

Maintenance

- Downtime costs money. When your machinery stops due to a lamp outage then production rates fall. LED lighting requires little human intervention. Long lifetimes, equal less down time and lower maintenance costs.

More savings with controls

- LED lighting is easier to control. This means you can add functionality such daylight controls, dimming and zoning for areas and workstations that are not in always in use. The result, a reduction in energy use, carbon footprint and energy bills.

The right light

LED products turn on instantly, unlike their older counterparts which could take minutes to warm up to full brightness.

glare is a prevalent issue in warehouses and achieving a completely glare-free environment is often impossible due to the nature of having to cast your eye up and down racking, therefore changing the position of eye and the resulting illuminance intensity. Your new bright, high light output LEDs must be combined with excellent precision optics which are designed to cast light where it is needed while reducing glare and light overspill.

Savings with LED are enticing; however, safety is vital. The following points should be considered when selecting your product:

- How accessible is your space and therefore how important is ease of installation, lifetime of a product and maintenance cycles?
- Can you create a safe and well-lit environment using aisle specific optics?
- Will the solution help you reach your efficiency, energy and CO₂ emissions targets?
- Will the lighting meet the glare requirements as indicated in the European standards?
- When and for how long is lighting required? Do you have a 24/7 facility, and could daylight or occupancy sensors and controls help you manage the space more efficiently?

To view the Nualight industrial range visit: <https://www.nualight.com/products/indoor/>



CASE STUDY TOTAL PRODUCE, SPALDING, UK

Total Produce trade out of 21 locations across the UK in addition to over 100 international facilities.

Joe Conway, the Cross Group, outlines the project,

“This recent project in Spalding consists of an LED upgrade in the extension to the existing depot and LED throughout the new refrigerated process and storage areas. We have worked with Nualight on several projects and found their solutions both high in performance and efficiency, so when we were looking for an eco-friendly lighting system they were a natural choice for Total Produce.”

“There was an ideal Nualight solution for each area. Titan and Arc 2 met all the criteria, providing superior light performance and potential lighting energy savings of up to 60% in the existing areas, which were previously utilising fluorescent fittings. In the new areas, the Arc 2 and Titan products were supplied with on-board sensors and controls to harvest future savings.”

KEY FACTS

New build and refurbishment project with ARC 2, Titan and Controls

Up to 60% reduction in energy usage

Enhanced lighting levels boost employee comfort

Bright and safe working environment

Nualight Resellers

Nualight work with an extensive international network of resellers. The Cross Group is a diversified group of companies whose primary business is in commercial and industrial refrigeration. With a strong focus on greener technologies The Cross Group are committed to delivering solutions that are eco-friendly, energy efficient and value for money.

Conor Keown, Total Produce, Head of Facilities Management, concludes,

“At Total Produce we are committed to reducing our environmental footprint and this initiative is part of that effort. The LED lighting will save on energy costs and so far, the installation is meeting expectations. In addition, the enhanced light level provides a bright and safer working environment.”

LED lighting for industrial warehouses



ALL SALES ENQUIRIES

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Front and back cover photographs:

 Total Produce / Spalding, UK

Nualight is constantly developing and improving its products.
The right is reserved to change specifications without prior
notification or public announcement. Published April 2018.
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