



HOLOPHANE®



Warehouse and logistics facilities

Complete site-wide lighting solutions



Over 125 years of innovation and technical excellence

Established in 1896, Holophane is one of Europe's leading lighting manufacturers, and has provided luminaire solutions for some of the UK's most widely recognised buildings.

Holophane's world-renowned reputation makes us a leader in luminaire and lighting design. Trusted by Lighting Designers, M&E Consultants, Specifiers and Distributors, we provide support and advice, as well as delivering quality lighting solutions to help create safe, sustainable and cost-effective warehouse and logistics spaces.

Committed to ESG

EarthLIGHT reflects our comprehensive approach to Environmental, Social and Governance (ESG).

It supports us to improve our operations, social responsibility and products, and in turn EarthLIGHT helps our customers to meet their own sustainability targets and initiatives by reducing their carbon emissions and creating a more sustainable environment.



Recognised and trusted

We're deeply proud of our legacy, where in today's environment, landscape lighting, modern architecture and public space projects predominate, we remain synonymous with quality design, high performance, energy efficiency and sustainable lighting.

Our aim is to build and maintain strong relationships with our customers. We do this by offering sustainable products that provide the lowest total cost of ownership, high-quality solutions, with superior customer service.

David Barnwell
Managing Director, Holophane Europe Ltd.



Delivering value to warehouse and logistics developers

Quality

Our lighting experts are dedicated to designing, specifying, and manufacturing sustainable lighting solutions tailored to your specific needs, prioritising high-quality light distribution and optimal performance within your budget.

Lighting Technology

Holophane is committed to keeping up-to-date with the latest industry knowledge and technology. Our products utilise advanced LED technology to achieve energy efficiency, extend the lifespan of our lighting and reduce maintenance costs. Smart sensors detect motion and adjust the light output depending on occupancy, which helps to conserve energy.

Daylight harvesting technology modifies the level of artificial light, based on the presence of natural light, and innovative thermal management dissipates heat, which can extend the lifespan of lighting systems.

Efficient Installation

Our lighting solutions provide hassle-free installation that is quick and easy to fit.

Flexibility

Our product range can be customised to your requirements, with the ability to accommodate new features, form-factor sizing for each application to reduce material waste and using flexible mounting options for scalability.

Impact

All of our products are created with longevity in mind; developed for simplicity, designed with easy access to internal components, readily available spares for customer servicing and repairs, meaning our warehouse and logistics lighting solutions are easy and efficient to upgrade.

Sustainability

Our sustainable LED lighting solutions ensure your space works for you and the planet. We design our products to not only provide best-in-class performance but also to enable a more sustainable product lifecycle.



Warehouse and logistics lighting challenges

According to a recent report published by Glenigan*, provider of construction project data, market analysis, and company intelligence, growth is expected in new industrial construction from next year due to stronger demand for warehouse and logistics space.

With online operators set to account for almost a third of retail sales by 2028, their share of the market is predicted to continue to grow. However, the bigger the space, the bigger the risk.

The **correct illumination levels are crucial to the health and safety of warehouse operations and employees.** Inadequate lighting is a major cause of accidents, while excessive light can result in glare and reduced visibility, which can impair vision and/ or cause discomfort.

Lighting can account for as much as 80% of a warehouse's total energy bill. It is therefore essential to invest in the latest lighting technology, using energy efficient lighting solutions to help reduce costs.

Customer expectation in today's fast paced society demands warehouses to provide continuous operations, with many now operating 24/7 to keep up with demand for quick order fulfilment and delivery. **This "always on" approach requires the most reliable, cost-effective and sustainable lighting and controls solutions.**

Holophane's optical lighting control solutions comply with and support local council policies, ensuring any planning applications for new warehouse developments will not be impacted by your proposed lighting schemes.

Our lighting solutions are approved by **DarkSky International**, which restores the nighttime environment and protects communities from the harmful effects of light pollution.

**Information sourced from The Glenigan Construction Review, published in October 2024 - <https://www.glenigan.com/report/the-glenigan-construction-review>*



Our warehouse and logistics lighting solutions



Safety - Critical to Warehouse and Logistics
Optimising your warehouse lighting is crucial to keeping your employees safe, reducing accidents, injuries and discomfort at work.

Sustainability - Reducing Energy Consumption
Digitally controlled industrial warehouse lighting saves money, increases luminaire life and supports compliance with local codes.

Cost - Efficient Lighting Solutions
A complete LED lighting solution can reduce maintenance costs by up to 40%, when compared to traditional lighting.

Compliance - Best Practice for Warehouses
Our team of experts understand the demands of evolving legislation and will help you navigate through current and planned lighting regulations.

Comfort - Volumetric Lighting
Volumetric illumination delivers an optimal mix of light to walls, partitions, vertical and horizontal work surfaces, reducing eye strain and fatigue and resulting in higher levels of concentration, focus and productivity.

We achieve this through PrismaLED technology which addresses the following:

- Reduces discomfort and disability glare to improve vertical visibility.
- Maximises optical control within the environment by creating a more uniform distribution.
- Distributes the light from individual LEDs so that any colour change is consistent.
- The effect of LED failure is greatly reduced resulting in a general dimming instead of dark spots.



Perimeter
lighting

Open
areas

Car / lorry
parks

Warehouse and logistics lighting applications

Correct lighting is essential for the safe movement of warehouse goods. That's why we proudly offer an energy-efficient product range to meet a wide variety of application needs.

Aisle and racking

Loading bays

Entrances and offices

Access roadways

Perimeter lighting

case study: **Ahmarra Door Solutions Ltd.**

Ahmarra Door Solutions Ltd, a leading UK fire door manufacturer, expanded its operations with a new facility in Portsmouth. To ensure a safe and well-lit environment, high-performance perimeter lighting was a key requirement.

To find out more, visit
www.holophane.co.uk

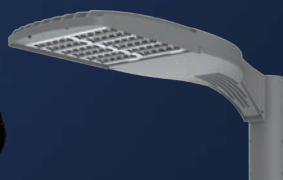
Our recommended **perimeter** lighting products



Denver iD Wall



Denver Elite Wall



D-Series



Wallpack



Controlux Air



Boost security and visibility around your industrial perimeter with our efficient lighting solutions.

Our advanced optics ensure even light distribution, minimising shadows and enhancing safety throughout the night.

Standards (as per table 7.1): Lighting and lighting. Lighting of work places
- outdoor work places
EN12464-2 2024

Light Level	UGR	Colour Rendering (Ra)	Uniformity (U0)
5 lux	50	Ra 70	0.20

Required BREEM rating:
E2, E3, E4
- 70 Lm/W Car Parks & Roads

Challenges

Ensuring well-lit surroundings for security, staff safety, and logistics operations was crucial. The solution needed to provide uniform illumination, minimise light spill, and integrate seamlessly with the facility's design.

Solutions

Holophane provided a tailored perimeter lighting solution using Wallpack™ and D-Series luminaires. Mounted at strategic heights, Wallpack™ units offered wide lateral and forward-throw optics, ensuring efficient coverage without upward light spill. D-Series luminaires illuminated loading bays with uniform, high-performance lighting, enhancing visibility and security. Additionally, Denver Elite luminaires provided safe exit lighting at doors, with emergency backup for added security. The lighting design ensured durability, energy efficiency, and a seamless aesthetic by matching the building's cladding.

Car and lorry park lighting



case study: Travis Perkins Car park

The Travis Perkins distribution centre in Warrington required a lighting scheme for their car park which satisfied a number of criteria.

The close proximity of the M62 required a luminaire with an optical control that complies with the stringent planning constraints put in place by the Highways Agency. The luminaires also needed to be energy efficient and provide sufficient lighting levels to illuminate the car park.

The Holophane D-Series luminaire is “Dark Sky Compliant” meaning that the light cut-off is very tightly controlled. This was proven to the Highways Agency and provided Travis Perkins with a suitable solution.

The D-Series luminaire also offers efficiencies of up to 152 lm/W. Des Whatton, Facilities Manager at Travis Perkins had this to say about the installation “I would certainly recommend Holophane to any other business who contacted me regarding lighting.

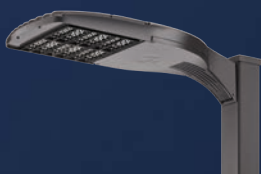
They have always offered a very good service, which is what you need within this business.”

To find out more, visit www.holophane.co.uk

Our recommended car and lorry park lighting products



Denver iD Pole



DSX



HMAO



CityMax+Large



Controlux Air



Car and lorry parks need lighting that prioritises safety, security, accessibility and energy efficiency.

Standards (as per table 8.1, 8.2 and 8.5):
Lighting and lighting.
Lighting of work places
- outdoor work places
EN12464-2 2024

	Light Level	UGR	Colour Rendering (Ra)	Uniformity (U0)
8.1 light	5 lux	55	Ra 70	25
8.2 medium	10 lux	50	Ra 70	25
8.5 heavy	20 lux	50	Ra 70	25

Required BREEAM rating:
E2, E3, E4
- 70 Lm/W Car Parks & Roads

Challenges

Car and lorry park lighting must provide adequate illumination for both drivers and pedestrians to navigate safely. It should be unobtrusive, energy-efficient, and durable enough to withstand environmental wear and potential vandalism.

Solutions

Luminaires with precise cutoff light distribution and excellent optical control are ideal for car park applications. For installations in low or accessible positions, it is important to select robust luminaires designed to resist vandalism, ensuring long-term performance and safety.

Access roadway lighting

case study: Scottish Water Roads

Holophane's Factor luminaires were chosen to illuminate the Scottish Water site's car park and roadways.

The LED luminaire's optics provide a precise cut off and have dedicated optics designed specifically for roadway lighting. The luminaire offers efficiencies of up to 139 Lumens per Watt and has a long luminaire lifetime of over 100,000 hours, reducing energy and maintenance costs site-wide.

To find out more, visit
www.holophane.co.uk



Our recommended **access roadway** lighting products



VMXII



SLI/RLI



Factor Small

Energy-efficient luminaires with longer lifespans and advanced lighting control integration are the best choice for access roadway lighting to optimise efficiency and reduce costs.



Standards (as per table 7.3): Lighting and lighting. Lighting of work places - outdoor work places EN12464-2 2024

Light Level	UGR	Colour Rendering (Ra)	Uniformity (U0)
20 lux	45	Ra 70	0.20

Required BREEM rating:
E2, E3, E4
- 70 Lm/W Car Parks & Roads

Challenges

Access roadways within warehousing and logistics facilities must comply with specific legislation. They should create a visually appealing environment for both visitors and employees while providing adequate lighting to ensure safety and security. Additionally, effectively managing light pollution is essential to minimise disruptions and maintain harmony with nearby residential neighborhoods.

Solutions

Luminaires with precise cutoff light distribution and excellent optical control are ideal for these applications. It is recommended to use highly energy-efficient luminaires with long lifespans and the ability to integrate advanced lighting controls. This approach will maximise efficiency and reduce costs throughout the site.

Loading bay lighting

case study: Project Altitude

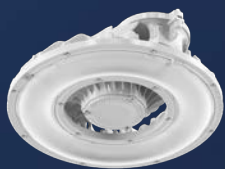
As experts Holophane were approached to provide exterior lighting that was not only energy efficient but also could be integrated with a smart connected solution to monitor and control the lighting installation.

Altitude features expansive HGV yards on both sides of the building with the ability to hold up to 271 HGV vehicles. Additionally, there are two large carparks with enough capacity for 381 cars. A mixture of 82 D-Series 1 and 2 luminaires were specified for these areas.

Above the HGV loading bays, around the perimeter of Altitude, are D-Series 1 luminaires on wall mounted brackets with an asymmetric distribution. For the HGV yard, HGV parking and staff carparking D-Series 2 luminaires have been used mounted on 8m columns to maximise spacings.

To find out more, visit www.holophane.co.uk

Our recommended loading bay lighting products



Holobay™



DSX



Wallpack



Parkpack



Controlux Air

Energy efficient warehouse lighting with good optical distribution helps reduce glare and increases uniformity, improving visual acuity and reducing the risk of workplace accidents.

Standards (as per table 17.2): Lighting and lighting. Lighting of work places - outdoor work places EN12464-2 2024

Light Level	UGR	Colour Rendering (Ra)	Uniformity (U0)
50 lux	50	Ra 70	0.40

Required BREEM rating:
E2, E3, E4
- 70 Lm/W Car Parks & Roads

Challenges

Logistics and warehouse operations represent a major expense, so businesses are constantly seeking ways to improve efficiency, enhance sustainability, and reduce costs. For developments like Altitude, this means using the latest building materials, construction techniques, and energy-efficient technologies—including smart, energy-saving lighting solutions.

Solutions

Holophane's D-Series luminaires at Altitude deliver high-performance, energy-efficient lighting with up to 152 lumens per watt and a 100,000-hour lifespan, ensuring safety and sustainability. Integrated Controlux Air controls enable precise energy monitoring and customised dimming, optimising efficiency. Combined with Denver Elite Bollards and V-Max street lighting, Altitude stands as one of the UK's most energy-efficient logistics hubs.

Aisle and racking lighting



case study: Travis Perkins Warehouse - Warrington

As part of the product selection process the project design team evaluated a range of products at another location before making their final choice.

After a thorough and extensive trial period, the Holophane LED luminaires were selected for the interior warehouse racking area as they provided the most even, comfortable and controlled light coverage due to their advanced optical design. These were mounted at 14m with a spacing of 6m down each of the aisles.

The fittings provide upward of 100 Lumens per Watt and are also fitted with daylight and presence detection, ensuring that the luminaires are only switched on when needed, providing further savings.

The fitting has an L7B50 @ Ta 25°C rated lifetime of 100,000 + hours, drastically reducing maintenance costs when compared to conventional lighting systems.

To find out more, visit
www.holophane.co.uk

See our retrofit
trunking solutions
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Our recommended aisle and racking lighting products



Hi-Beam



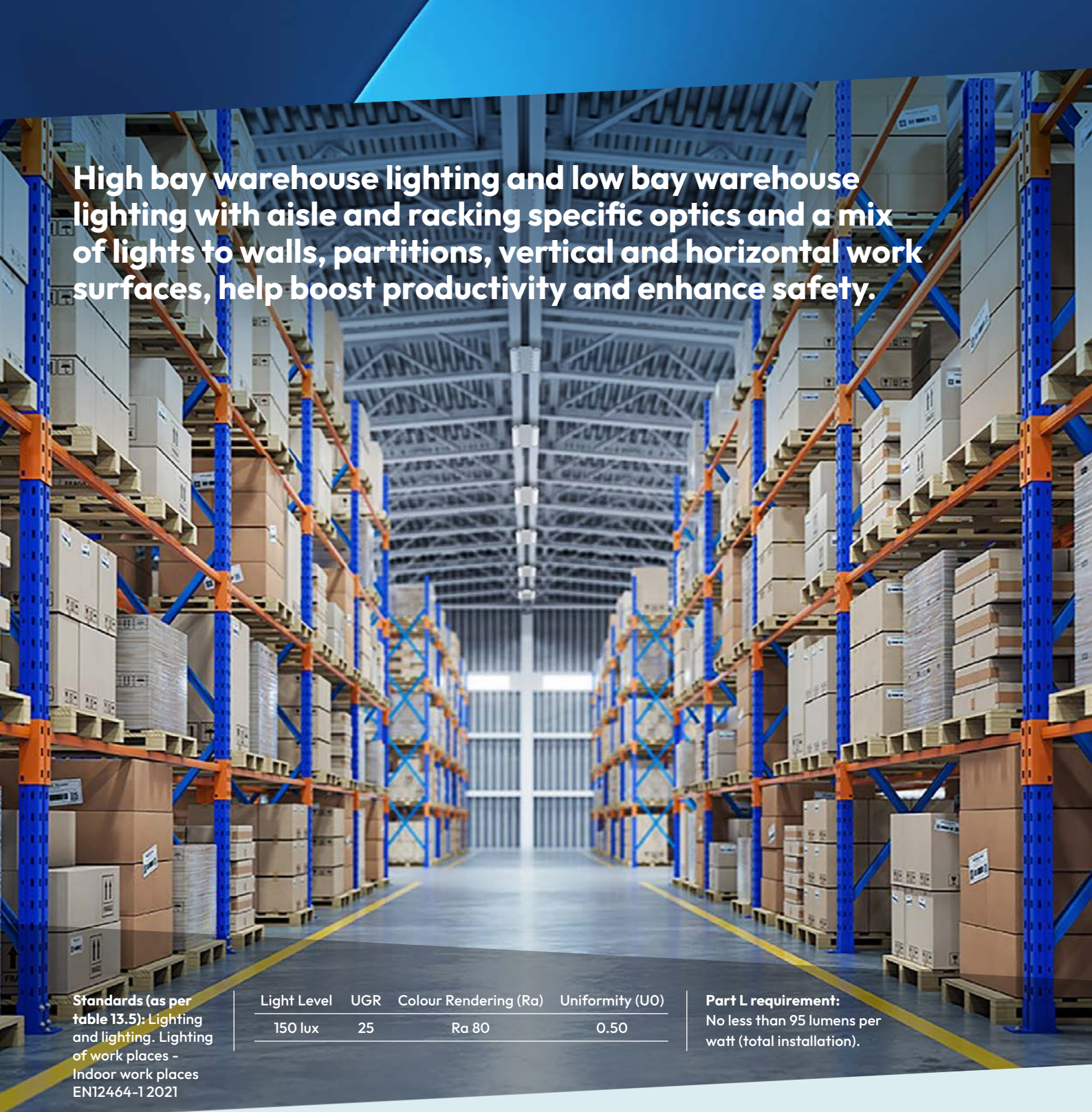
Prismaspace™



Holobay™

HOLOSAir

HOLOS Air



High bay warehouse lighting and low bay warehouse lighting with aisle and racking specific optics and a mix of lights to walls, partitions, vertical and horizontal work surfaces, help boost productivity and enhance safety.

Standards (as per table 13.5): Lighting and lighting. Lighting of work places – Indoor work places EN12464-1 2021

Light Level	UGR	Colour Rendering (Ra)	Uniformity (U0)
150 lux	25	Ra 80	0.50

Part L requirement:
No less than 95 lumens per watt (total installation).

Challenges

Warehouses typically operate 24/7 and feature numerous racked aisles that are not always in use. This leads to unnecessary energy consumption and increased maintenance costs for lighting that isn't required. Additionally, glare from lighting installations can impair operators' vision, posing safety risks when maneuvering large pallets in racking areas. Ensuring visual comfort is vital for safety, productivity, and overall efficiency.

Solutions

Luminaires designed for aisles or specific shelving systems provide optimal light distribution and enhance visual comfort through what is known as “volumetric illumination.” This approach ensures balanced lighting across walls, partitions, and work surfaces, which reduces shadows and creates a feeling of spaciousness. As a result, safety and productivity in the warehouse are improved.

Energy-efficient lighting fixtures, which require minimal maintenance, help to lower operating costs. Furthermore, investing in integrated controls—such as presence detection or full luminaire controls—can lead to a quick return on investment (ROI) by significantly decreasing energy consumption during periods of inactivity.

Open areas lighting



case study: BP & ASCO Warehouse

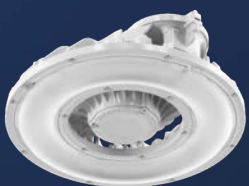
BP and ASCO recently commissioned their brand-new 125,000 sq. ft. distribution warehouse in Aberdeen. RSP Consulting Engineers were tasked with creating a low-carbon distribution centre where BP and ASCO could locate all of their assets. Paul Quinn of RSP Consulting Engineers told us that “the initial concept design looked to use 400W metal halide highbay luminaires in the warehouse’s open areas, but after further investigation and calculations using Holophane’s Haloprism, it was identified that superior lighting conditions could be achieved using a 300W version of the LED luminaire. The enhanced optical performance of Haloprism meant fewer fittings were required, delivering a significant 100W saving per luminaire while improving overall illumination.

Compared to the original design with 400W metal halide luminaires in the open areas, BP and ASCO are achieving energy savings of 49% whilst also dramatically reducing maintenance. This equates to an energy saving of 170,000 kWh per year, without the addition of controls.

Holophane’s HOLOS2 Lighting Controls were also used on the project, providing even further energy savings, integrating daylight and presence control throughout the warehouse as well as the ability to immediately increase the light output up to 100% with the push of a button.

To find out more, visit www.holophane.co.uk

Our recommended open area lighting products



Holobay™



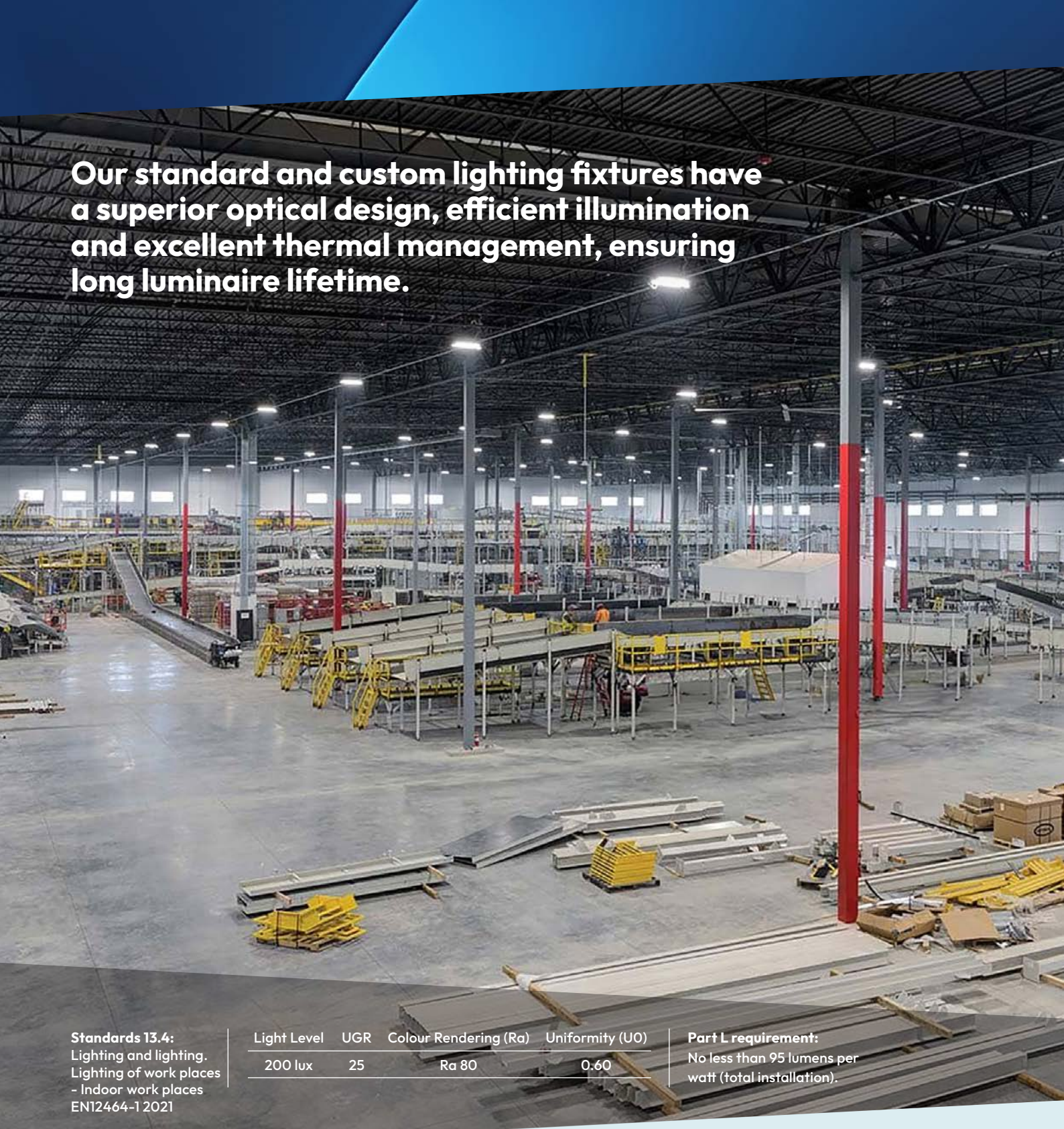
Prismack™



Prismspace™

HOLOSAir

HOLOS Air



Our standard and custom lighting fixtures have a superior optical design, efficient illumination and excellent thermal management, ensuring long luminaire lifetime.

Standards 13.4:
Lighting and lighting.
Lighting of work places
- Indoor work places
EN12464-1 2021

Light Level	UGR	Colour Rendering (Ra)	Uniformity (U0)
200 lux	25	Ra 80	0.60

Part L requirement:
No less than 95 lumens per watt (total installation).

Challenges

The warehousing and logistics industry is experiencing rapid growth. As facilities expand, the demand for lighting increases, leading to higher energy consumption. Therefore, energy efficiency has become crucial for reducing operating costs while maintaining excellent visual comfort.

Solutions

Holophane offers both standard and custom lighting fixtures that provide outstanding solutions through advanced optical design, efficient illumination, and superior thermal management. These features ensure a long lifespan for the luminaires while meeting the industry's requirements for performance and sustainability.

Entrance and office lighting



Our recommended office and corridor lighting products

Office



Corridor



Our entrance and office lighting solutions improve energy efficiency, user comfort, and lighting quality in new, renovated, or retrofitted warehouse office spaces.



Standards (as per table 34.2 and 34.6):
Lighting and lighting.
Lighting of work places
- Indoor work places
EN12464-1 2021

	Light Level	UGR	Colour Rendering (Ra)	Uniformity (U0)
34.2	500 lux	19	Ra 80	0.60
34.6	300 lux	22	Ra 80	0.60

Part L requirement:
No less than 95 luminaire lumens per watt (total installation).

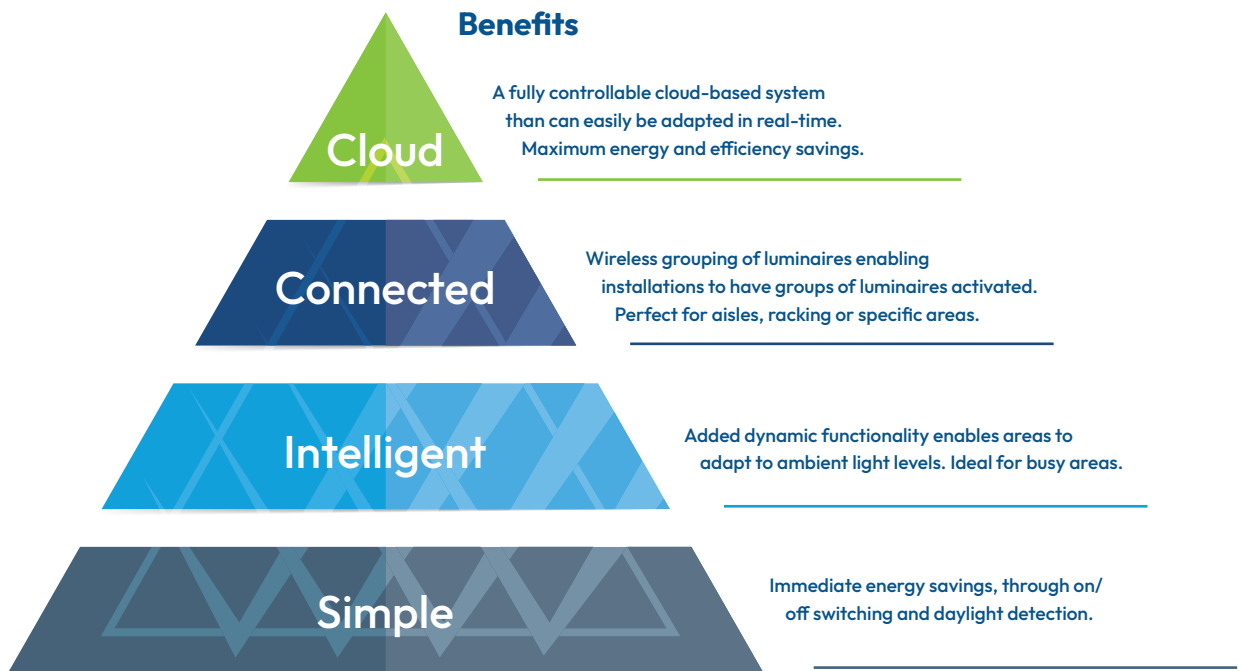
Challenges

Office and corridor lighting should provide uniform illumination to enhance productivity while minimising glare and shadows for optimal visual comfort. Energy efficiency and sustainability are also essential, as lighting significantly contributes to overall energy consumption in office spaces. Balancing these factors with a sleek and aesthetically pleasing design presents a complex challenge in delivering effective, high-performance lighting solutions.

Solutions

Holophane luminaires utilise advanced LED technology to provide uniform and precise lighting, enhancing focus and efficiency. Designed to meet the evolving needs of warehouse office spaces, these luminaires combine high performance with energy efficiency, helping to reduce costs and support sustainability. Their durable, purpose-built designs ensure reliable, eco-friendly lighting without compromising on quality or flexibility.

Control solutions: from simple to cloud-based



A solution that works for you

The Holophane controls solution is tiered to offer you a solution to cater for every type of project. Ranging from basic on/off PIRs through to cloud-based controls, Holophane can offer a competitive controls solution to work around your needs.

HOLOSAir

CONTROL
LUX
air

Smarter lighting management

Holophane offers web-based, wireless lighting control systems designed to monitor and manage both indoor and outdoor lighting fixtures, creating safer, more efficient, and sustainable environments.

HolosAir (Indoor)

HolosAir allows users to commission, configure, and take full control of their indoor lighting systems. It includes features such as on/off control, dynamic dimming, wireless grouping of multiple luminaires, daylight sensing, and emergency and failure reporting.

ControluxAir (Outdoor)

ControluxAir supports advanced control strategies for outdoor lighting management, including daylight harvesting, occupancy sensing, time scheduling, scene setting, and failure reporting.

Retrofit trunking solutions

Modernizing your existing infrastructure



FLEXOswitch & FLEXOvision

Our trunking systems are developed specifically for the warehousing and logistics industry, building on our optical control philosophy and incorporating the latest LED lighting technology.

The modular system is flexible, simple and easy to install, incorporating unique features that deliver value to the customer. We provide trunking for:

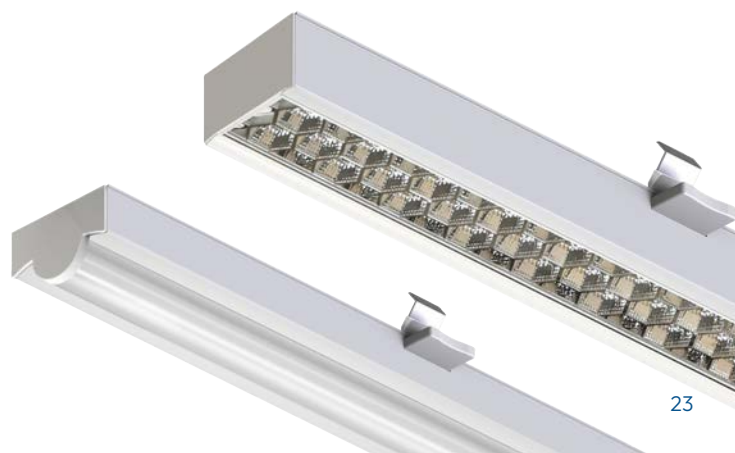
New build projects

All trunking comes pre-wired as either 7 or 11 core options. Three electrical connections per 4.5m within trunking. Luminaire supplied with 1.2m flying lead and electrical connector allowing flexibility during installation. Pre-wired trunking available in 1m, 3m and 4.5m lengths.

We also supply and install the GLS Lighting Busbar 25-40-63 A, which is ideal for use in warehouses and industrial buildings. The electrical lighting distribution system is typically used when a fast, flexible, and economical installation is required. The lighting busbar is a flexible and low-cost option in comparison to trunking and cable lighting methods.

Retrofit options

Luminaire can be mechanically fixed to third party trunking. Luminaire can be electrically connected to 5 different third-party electrical connections.



Industry Accreditation

Holophane's ambitious sustainability efforts have set us on a path to obtaining several industry accreditations that will verify the quality of our products and support the reduction of waste.

Circular Economy - TM66

The traditional resource consumption model is linear, where raw material is collected to make products, then often thrown away once they have served their purpose.

Following the TM66 CEAM assessment a score between 0.0 and 4.0 is generated for each luminaire. Holophane's goal is to ensure all our luminaires achieve excellent circularity (2.5 to 4.0).

The Chartered Institute of Building Services Engineers (CIBSE) TM66 enables Holophane to effectively assess our products and employ a methodology to minimise waste, enhance value, and improve maintenance for the repair, recycling, and reuse of luminaires.

To ensure the credibility, objectivity and consistency of its ratings, Holophane products are independently tested and verified through the Lighting Industry Association (LIA) Assured Scheme.

Embodied Carbon - TM65

Embodied carbon refers to the greenhouse gas emissions associated with the manufacturing, transportation, installation, maintenance, and disposal of product materials.

For Holophane, this encompasses the materials and components used in the development of our luminaires, as well as the processes followed during their manufacture.

The Chartered Institute of Building Services Engineers (CIBSE) TM65 provides guidance and actions aimed at reducing embodied carbon in our products. It is not a replacement for the Life Cycle Assessment (LCA) but serves as a simplified version of the standardised Environmental Product Declaration (EPD), filling in the gaps when an EPD is not available.

Professional affiliations and accreditations



Innovative lighting solutions, Made in Britain with scalable controls



Trust

Holophane has a world-renowned reputation for our expertise, quality and innovation in lighting. Since our earliest days, when we pioneered the famous glass refractor, our name has been a leader in the field of luminaire and lighting design.

Quality

Incorporating interior, exterior, amenity, road, rail and warehouse flood lighting luminaires alongside our controls, Holophane's product range is suitable for today's environmentally conscious world, offering lowest total cost of ownership, engineering quality, cutting-edge design and outstanding optical performance.

Control

Holophane's control systems give users the freedom to commission, configure and completely control their own lighting to maximise energy savings and reduce carbon emissions.

Environment

Our sustainable LED lighting solutions ensure your lighting space works for you and the planet. We design our products to not only provide best-in-class performance but also to enable a more sustainable product lifecycle.

Warranty

Holophane provides a standard 5-year warranty on all CE-marked luminaires from the date of invoice. For added flexibility and peace of mind, extended warranties are available upon request.

Design support

Our products are developed in our Product Design Office, equipped with modern C.A.D. systems and working to ISO9001. Full type testing to the European Standard for Luminaires, EN60598, is carried out in our laboratory. All luminaires carry the mandatory CE mark, as required by European law, confirming that our products comply with the relevant EU standards.

Responsibility

Through EarthLIGHT, we've improved our operations, social responsibility and products to aid customers in reducing their carbon emissions. EarthLIGHT is the way we coordinate our efforts around Environmental, Social, and Governance considerations, measure our performance in key areas, and communicate with our various stakeholders.

Our partnership approach

Lighting excellence from the very start

Early-stage engagement ensures all projects get off to the best possible start.

Expertise and collaboration throughout the project

Strong partnerships and innovation at every stage.

Teams equipped with the skills to succeed

Meeting your needs with a clear focus on supporting you.

We're a **single-source provider** of today's most innovative technology, offering an extensive portfolio of products and partnering with building professionals to deliver optimal performance, reliability and visual comfort across your entire project.

**At Holophane, we don't just provide lighting
—we offer a partnership.**





Warehouse and logistics facilities




Discover the perfect lighting solution
scan to explore



Speak to the Holophane experts today

Get in touch to discover how, together, we can ensure your lighting space works for you and the planet.

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