



Rail environments

Complete site-wide lighting solutions.



Why Holophane?

Established in 1896, Holophane is one of Europe's leading lighting manufacturers. We are trusted across the rail network for our expertise in performance lighting, smart controls and circular product design.

Whether you're lighting platform canopies, tunnels or high-mast depots, our systems are built for safety, energy efficiency and long-term reliability across the most demanding environments.

We support every stage of rail delivery, working to Network Rail standards, TOC frameworks and the latest TM66-certified sustainability targets.

Here's what sets us apart:

Precision optical control

The prism in our logo reflects more than a century of lighting innovation. From early borosilicate glass to advanced PrismaLED™ optics, we deliver low-glare, high-uniformity lighting that supports safety, clarity and visibility across all rail zones.

Circularity & environmental leadership

Every Holophane rail luminaire is designed with sustainability in mind. TM66 and TM65 certified, our products are serviceable, recyclable and built to last. We actively reduce packaging waste, remove plastic and support our customers' environmental goals.

Connected intelligence

HOLOSOne enables full wireless control across the rail network. Operators can automate dimming, detect faults, and manage emergency testing through a secure and scalable system designed for infrastructure.

Lower lifetime costs

Our products are engineered for vibration, ingress, dust and thermal extremes. With high lumen maintenance and right-to-repair design, Holophane luminaires reduce servicing, extend life and lower total cost of ownership.



Discover how Holophane can transform your rail network
Ask us about smart, sustainable lighting that delivers



Optimising rail spaces for performance, safety and long-term value

Quality

Our lighting systems are purpose-built for the demands of rail. Every luminaire is engineered for optical precision, glare control and long-life performance to support safety in high-traffic environments.

Lighting technology

Advanced LED modules and prismatic optics deliver uniform, low-glare light for even the harshest conditions. Features like daylight dimming, thermal protection and energy optimisation ensure safety and efficiency across all rail zones.

Efficient installation

Designed for rapid install and easy maintenance, our modular fittings and tool-free access features reduce disruption. This makes them ideal for time-sensitive upgrades or restricted-access locations.

Flexibility

We offer solutions for every part of the network. From tunnels and platforms to depots and footbridges, our products are tailored to architectural and operational needs with a wide range of mounting and optic options.

Sustainability

Sustainability is integrated across every solution. From TM66-certified circularity to smart control energy savings, we help you cut carbon, reduce waste and align with environmental goals without compromising performance.

Impact

Built for longevity and right-to-repair, our systems prioritise durability, maintainability and low lifecycle costs. Spares and components are readily available to keep your lighting strategy future-ready.

Meeting the challenges of modern rail infrastructure



Challenge 1:

Visibility, safety and glare risks

Rail environments demand absolute clarity—for passengers, operators and staff. Poor vertical illumination or uncontrolled glare can obscure hazards, affect CCTV performance, and compromise safety.

Holophane solution:

Our prismatic optics, full cut-off designs and vertical uniformity support clear sightlines across platforms, tunnels, and concourses—reducing glare, enhancing visibility and improving operational safety.



Challenge 2:

Harsh environments and limited access

Rail lighting must endure vibration, dirt, moisture and restricted maintenance access—especially in tunnels, yards or overhead installations.

Holophane solution:

Our luminaires are IP66 and IK10 rated, vibration-resistant and built for longevity. Tool-less gear trays and serviceable components reduce downtime and simplify maintenance.



Challenge 3:

Lighting compliance and auditability

Lighting systems must meet national and operator-specific standards, with proof of maintained illuminance and emergency performance during audits.

Holophane solution:

Our systems align with TM66, BS EN 12464-2 and Network Rail RIS-7702-INS. HOLOOne provides real-time diagnostics, automated emergency testing and compliance reporting.



Challenge 4:

Energy use and connected infrastructure

With growing pressure to reduce operational emissions and lifecycle costs, outdated lighting can become a barrier to progress.

Holophane solution:

HOLOOne enables energy-saving strategies such as daylight harvesting, motion detection, zoned dimming and cloud-based scheduling, while maintaining high-performance illumination.



Book a FREE lighting audit and see how much you can save

We'll assess your current setup and identify energy-saving opportunities



Holophane's optical control advantage

Better visibility. Safer journeys. Lower energy use.

Lighting in rail environments must do more than illuminate. It must guide movement, protect people and support visibility across the entire system.

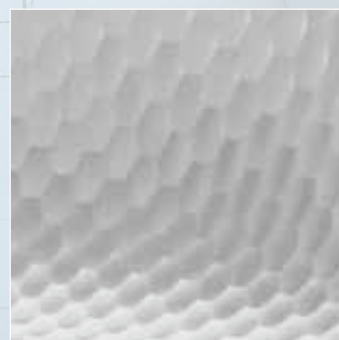
Volumetric illumination delivers a balanced mix of light across both vertical and horizontal surfaces. This is essential for reading signage, spotting hazards, monitoring platforms and maintaining safety in tunnels and walkways.

We achieve this through PrismaLED™ optical technology, which addresses the following:

- Reduces discomfort and disability glare to support passenger and operator visibility.
- Maximises optical control by creating a more uniform distribution—reducing hotspots and shadows.
- Blends and controls light from multiple LEDs to ensure consistent colour output and enhanced visual clarity.
- Minimises the effect of LED failure, resulting in a general dimming instead of isolated dark spots.



Experience the optical control built for rail
Book your volumetric lighting demo for tunnels, platforms and depots



Tailored solutions for every rail environment

A Car parks: open-air & station

Smart-enabled luminaires for full-site coverage, energy savings and reduced obtrusive light. Supports pedestrian and vehicle safety day and night.

B Car parks: multi-storey & covered

Zoned lighting with smart control for enclosed or lower-ceiling environments. Supports passive security, safe navigation and efficient energy use.

C Station entrances & public zones

Architectural-grade lighting that balances comfort, clarity and control. Designed to welcome, orient and guide footfall in busy environments.

D Concourses

Lighting that welcomes and orients passengers, supporting clear navigation, comfort and visibility in busy, high-traffic public spaces.

E Interior circulation & waiting areas

Durable, low-glare lighting for corridors, waiting zones and passenger holding areas. Engineered for visual comfort and compliance.

F Pedestrian underpasses & subways

Anti-vandal luminaires for enclosed public passages. Supports safe movement, visibility and passenger reassurance at all hours.

G Footbridges & walkways

Wide optical distributions with low glare to improve navigation and reduce fall risk. Enhances visibility on stairs, ramps and elevated routes.

H Open and covered platforms

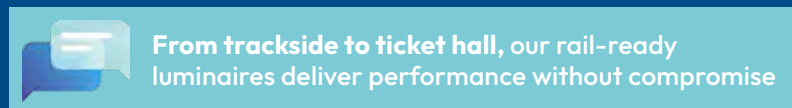
Glare-free lighting that improves boarding safety, supports driver visibility and ensures consistent CCTV coverage. Built for vertical uniformity and long-term reliability.

I Tunnels

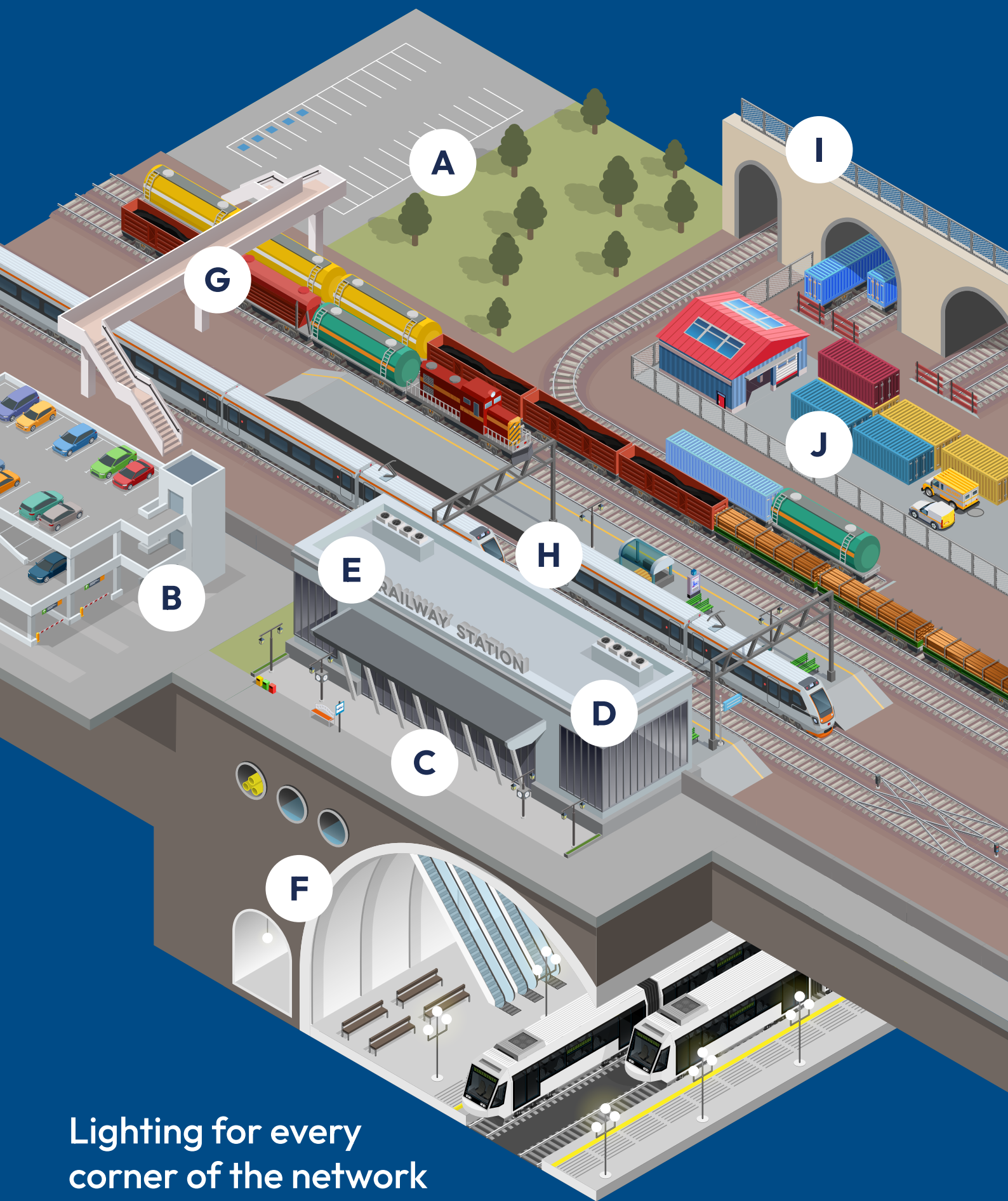
Rugged, vibration-tested luminaires for enclosed and hostile environments. Supports inspection lighting, emergency egress and safe detrainment.

J Traincare depots & maintenance facilities

High-output lighting for inspection bays, service areas and TMDs. Designed for durability, clarity and all-day performance in demanding conditions.



From trackside to ticket hall, our rail-ready luminaires deliver performance without compromise

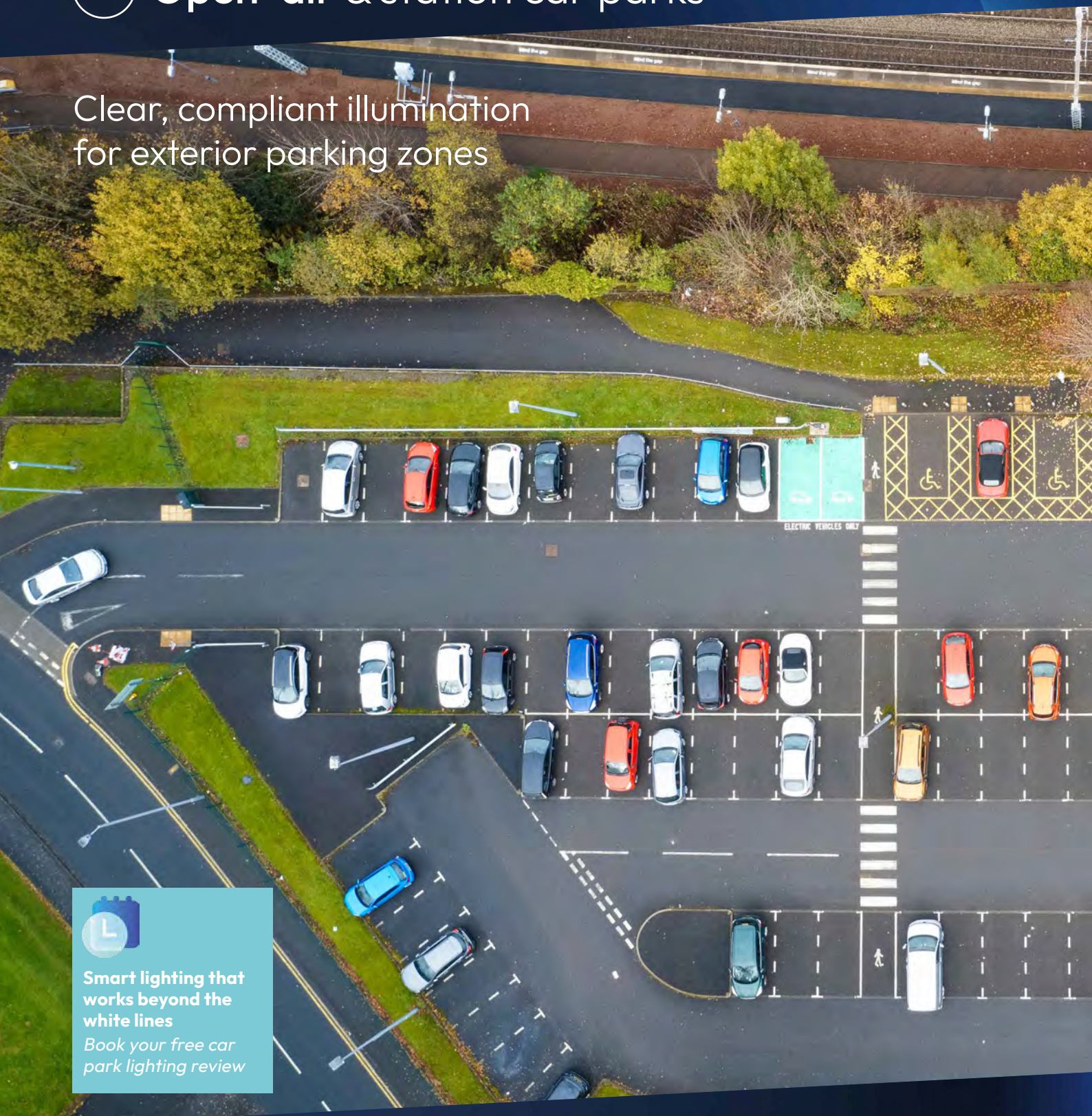


Lighting for every corner of the network

From platforms and tunnels to depots, walkways and car parks, we design rail lighting systems that balance performance, compliance and long-term value. Every product is built to meet the demands of your environment—supporting clarity, comfort and safety across the rail estate.

A Open-air & station car parks

Clear, compliant illumination
for exterior parking zones



**Smart lighting that
works beyond the
white lines**

*Book your free car
park lighting review*

Our recommended products:

Our lighting systems are proven in station car parks across the UK rail network, supporting passive security and long-term energy savings.



CityMax



D-Series



V-Max



Denver iD Pole



Denver iD Bollard



Denver iD Wall

Station car parks serve both commuters and staff, often operating around the clock. Lighting in these areas must support pedestrian safety, efficient navigation and passive security, without contributing to obtrusive light in nearby residential zones.



As per lighting standards: EN 12464-2 2024	Type of area, task or activity	Min Light Level	R _{GL}	Colour Rendering (Ra)	Uniformity (U0)
	8.1 (Light traffic area)	5 lux	55	Ra 70	0,25
	8.2 (Medium traffic area)	10 lux	50	Ra 70	0,25

Challenges

- Uneven lighting increases risk for vehicles and pedestrians
- Spill light can affect neighbours and breach planning conditions
- Harsh lighting impacts CCTV quality and comfort
- Fixtures are exposed to weather, vandalism and dirt accumulation

Holophane solutions

We combine high-output optics with directional control to deliver effective coverage, glare reduction and compliance with ILP GN01.

Our luminaires are IP-rated, easy to maintain, and compatible with HOLOSoOne for adaptive scheduling, dimming and diagnostics.

B Multi-storey & covered parking

Visibility, safety and smart control across every level



Smart lighting that adapts to every level

Book your free lighting review for enclosed or multi-storey car parks

Our recommended products:

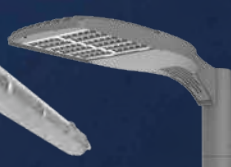
Lighting systems built for enclosed rail environments, with sensor-ready fittings and optimised optics for passive safety, visibility and long-term energy savings.



Parkpack



CSV T



D-Series



Denver iD Pole



Denver iD Wall



Wallpack



Prismashield Elite

Covered car parks demand consistent, low-glare illumination to support visibility, navigation and safety for both drivers and pedestrians. Luminaires must perform reliably in enclosed spaces with limited daylight and higher exposure to vehicle exhaust, dampness or dust.



As per lighting standards:
EN 12464-1 2021

Part L requirement:
LENI method preferred.
Alternatively, a minimum of 95 luminaire lumens per circuit-watt.

Type of area, task or activity	Min Light Level	R _{UGL}	Colour Rendering (Ra)	Uniformity (U0)
42.1 (Entry/exit ramps during daylight hours)	300 lux	25	Ra 40	0,40
42.2 (Entry/exit ramps during at night)	75 lux	25	Ra 40	0,40
42.3 (Traffic lanes, internal ramps and pedestrian paths)	75 lux	25	Ra 40	0,40
42.4 (Parking areas not open to the public)	75 lux		Ra 40	0,40
42.5 (Parking areas open to the public with a large number of users)	150 lux		Ra 40	0,40

Challenges

- Low ceiling heights requiring wide but controlled light distribution
- Inconsistent lighting causes shadows and reduced visual comfort
- Increased risk of condensation, dirt and ingress in enclosed areas
- Pressure to reduce energy usage and support passive security

Holophane solutions

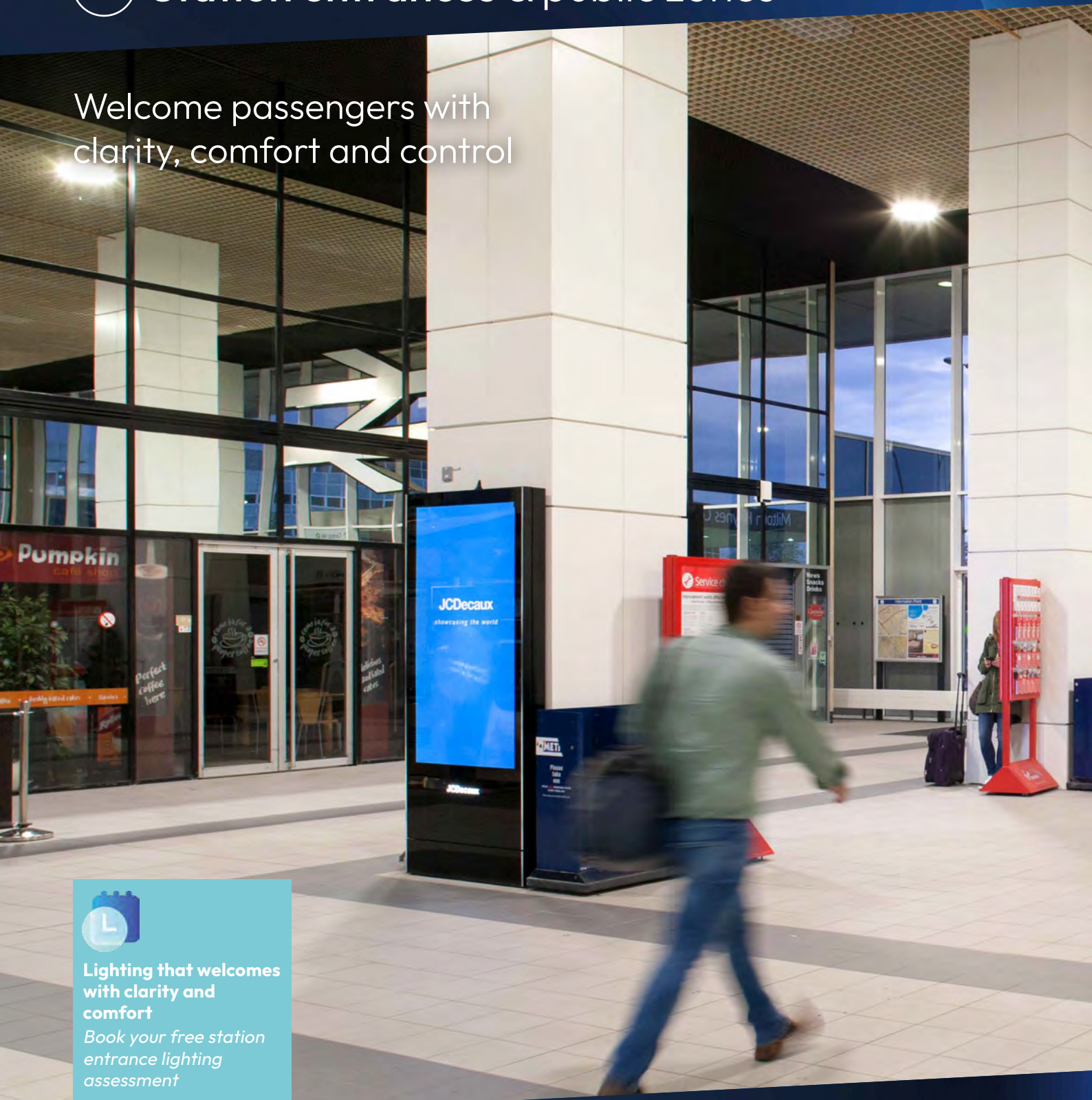
Our luminaires feature wide-beam prismatic optics, optimised for low-mounting heights and enclosed conditions.

Vandal-resistant housings and IP-rated enclosures ensure long-life performance in demanding environments.

With HOLOSOOne smart controls, operators can implement zone-based dimming, motion sensing and occupancy profiling across each level, while reducing lifecycle costs and energy consumption.

c Station entrances & public zones

Welcome passengers with clarity, comfort and control

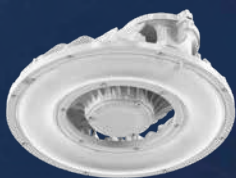


Lighting that welcomes with clarity and comfort

Book your free station entrance lighting assessment

Our recommended products:

Designed for comfort and clarity, these luminaires combine robust performance with architectural appeal in public-facing rail areas.



Holobay 1

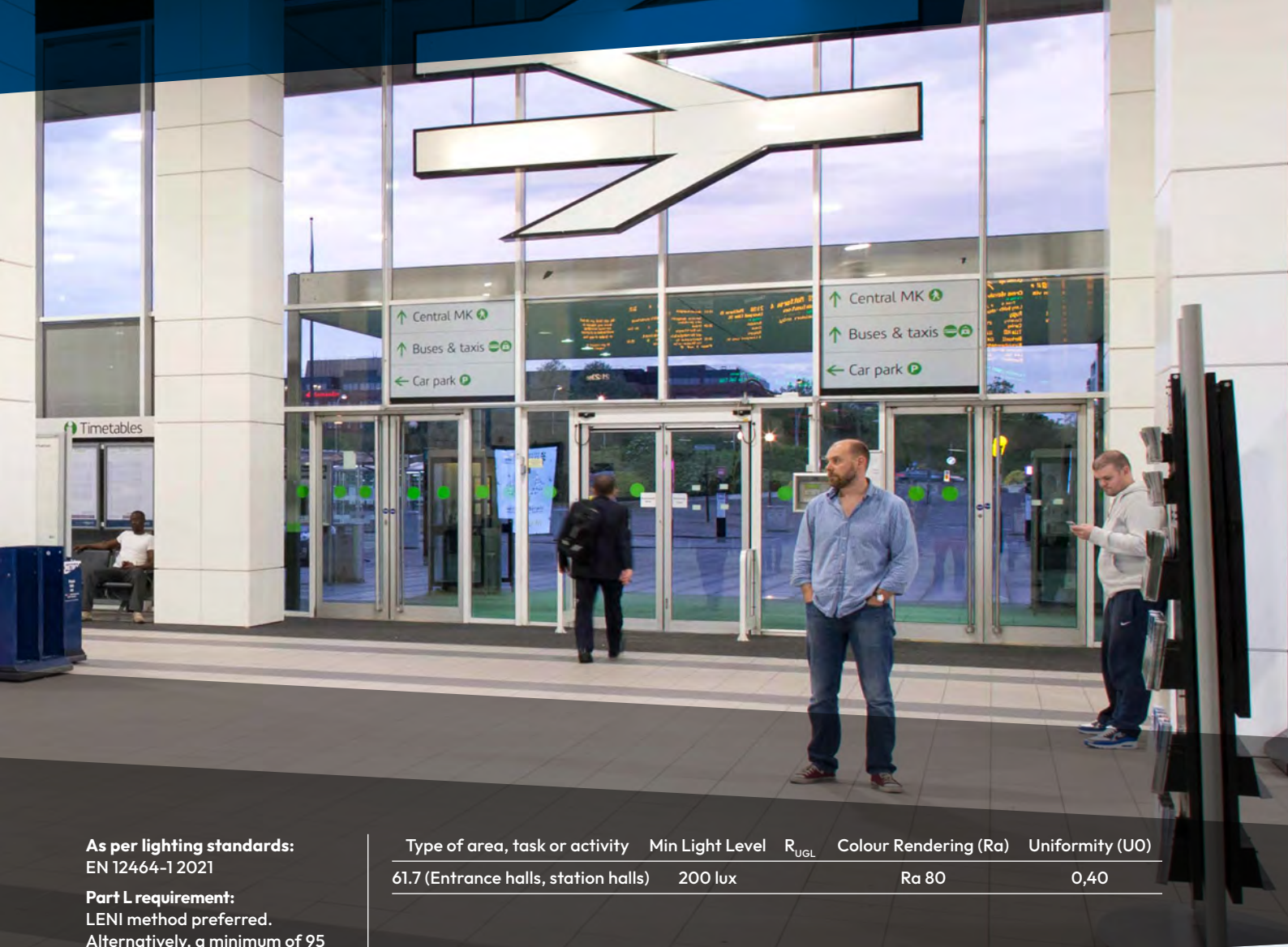


Holobay 2



Prismpack

Entrances and public zones create the first impression of any station. These areas must support comfort, visibility and safety for large volumes of passengers at all times of day. Lighting should be visually appealing while delivering consistent, reliable performance in high-use conditions.



As per lighting standards:
EN 12464-1 2021

Part L requirement:
LENI method preferred.
Alternatively, a minimum of 95
luminaire lumens per circuit-watt.

Type of area, task or activity	Min Light Level	R _{UGL}	Colour Rendering (Ra)	Uniformity (U0)
61.7 (Entrance halls, station halls)	200 lux		Ra 80	0,40

Challenges

- Inconsistent or poor lighting can affect navigation and first impressions
- Excessive glare may cause discomfort for passengers arriving from darker areas
- Fixtures need to complement heritage or modern station designs
- Lighting must support safety and passive security at all times of day

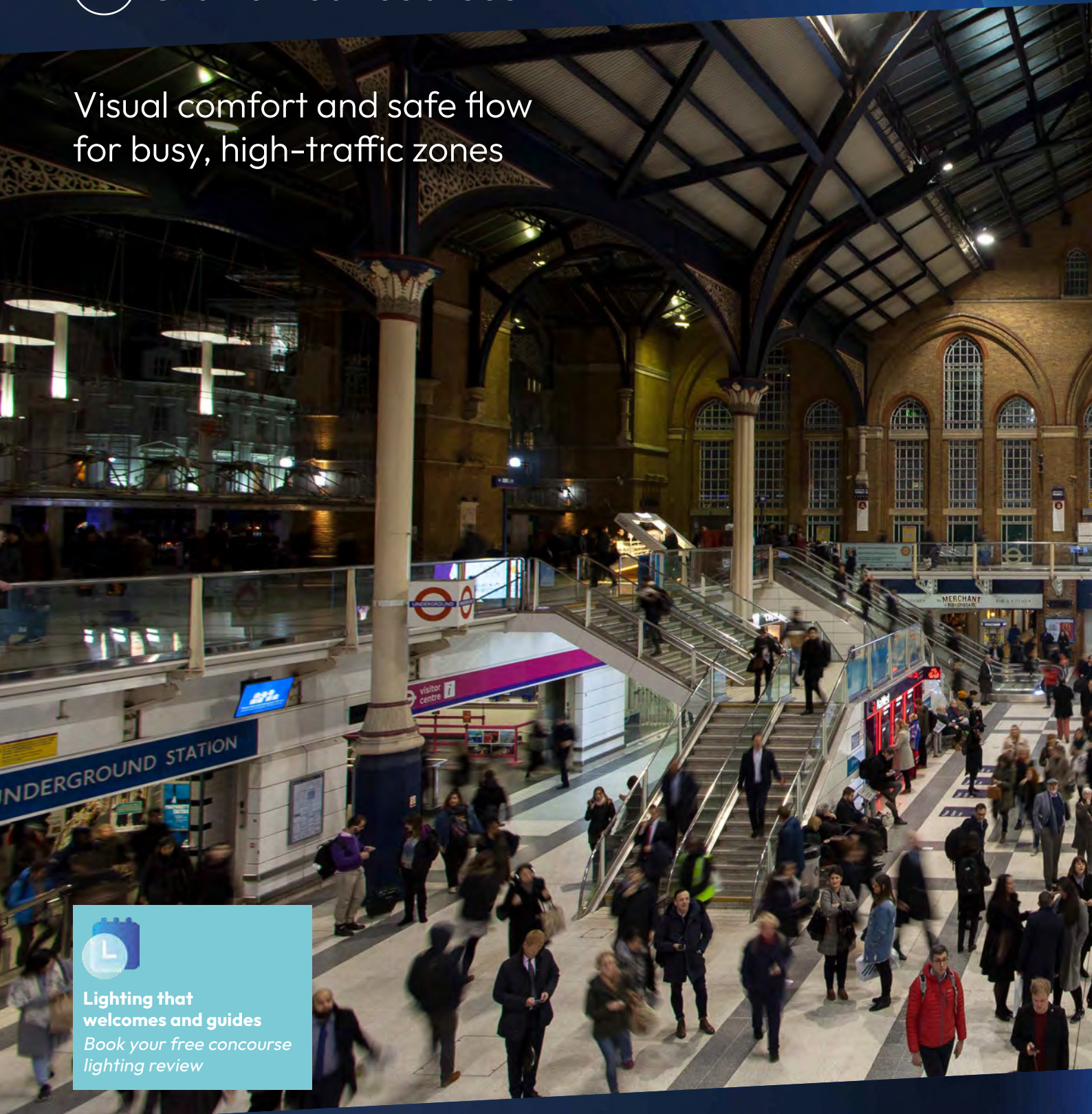
Holophane solutions

Our luminaires combine prismatic optics with architectural-grade design to enhance public spaces while supporting visibility and safety.

IP-rated and tamper-resistant housings ensure performance in demanding environments. With HOLOSOOne smart control, lighting can adapt to footfall, schedules and emergency events to improve efficiency and reduce energy use.

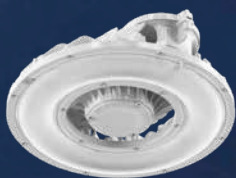
D Station concourses

Visual comfort and safe flow
for busy, high-traffic zones



Our recommended products:

Our architectural-grade luminaires combine optical control and visual comfort to create well-lit, welcoming concourse environments.



Holobay 1



Holobay 2



Prismpack

Station concourses are some of the busiest areas in the rail network, handling large volumes of foot traffic throughout the day. Lighting must provide visual clarity, enhance orientation and support passive safety — all while complementing architectural finishes and ceiling structures.



As per lighting standards:
EN 12464-1:2021

Part L requirement:
LENI method preferred.
Alternatively, a minimum of 95
luminaire lumens per circuit-watt.

Type of area, task or activity	Min Light Level	R _{UGL}	Colour Rendering (Ra)	Uniformity (U0)
61.4 (Ticket hall and concourse)	200 lux	28	Ra 80	0,50
61.5 (Ticket counters and luggage offices)	300 lux	19	Ra 80	0,50

Challenges

- Visual glare or shadowing can affect navigation and comfort
- Poor light distribution reduces wayfinding and signage legibility
- Fixtures must integrate cleanly with ceiling designs and structural layouts
- High occupancy levels require dependable, long-life performance

Holophane solutions

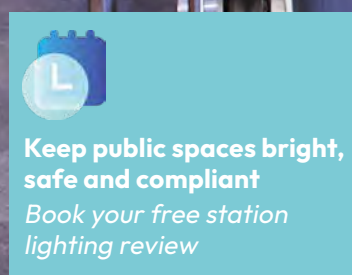
Our concourse luminaires use wide-beam optics and diffused, glare-controlled light to enhance passenger experience and improve safety.

Mounting flexibility and architectural styling ensure a clean visual integration with ceiling layouts or canopy designs.

With HOLOSOOne controls, operators can manage dimming, diagnostics and energy use across zones based on footfall or time of day.

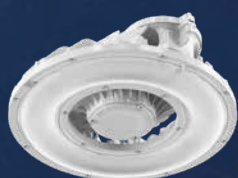
E Interior circulation & waiting areas

Comfortable, compliant lighting for public concourses and waiting zones



Our recommended products:

Our solutions improve comfort, safety and operational efficiency across interior passageways, corridors, waiting rooms and service spaces.



Holobay



Prismashield Elite



CSV



Prismpack



FlexLED

Inside stations, passenger dwell zones and corridors must feel bright, intuitive and secure. Lighting should eliminate shadows, enhance clarity for signage, and integrate seamlessly with the architecture—supporting both public navigation and operational safety.

As per lighting standards:
EN 12464-1:2021

Part L requirement:
LENI method preferred.
Alternatively, a minimum of 95 luminaire lumens per circuit-watt.

Type of area, task or activity	Min Light Level	R _{UGL}	Colour Rendering (Ra)	Uniformity (U0)
61.3.1 (Stairs, escalators, small number of passengers)	50 lux		Ra 80	0,30
61.3.2 (Stairs, escalators, medium number of passengers)	100 lux		Ra 80	0,40
61.3.3 (Stairs, escalators, large number of passengers)	200 lux		Ra 80	0,50
61.6 (Waiting rooms)	200 lux	22	Ra 80	0,40

Challenges

- Risk of glare or dark spots in narrow corridors or enclosed rooms
- Increased exposure to dust, moisture and wear in service areas
- Pressure to reduce maintenance in hard-to-access indoor zones
- Balancing comfort with compliance and energy targets

Holophane solutions

We specify luminaires with wide optical distribution and low-glare prismatic glass to deliver balanced illumination in confined or high-traffic areas.

Designed for easy installation and maintenance, our fittings are IP-rated, tamper-resistant and available with HOLOOne smart controls to automate lighting levels and diagnostics in line with usage.

F Pedestrian Underpasses & subways

Durable, low-glare lighting for enclosed passageways and access routes



**Lighting that's built
for visibility and
reassurance**

*Book your free
underpass lighting
assessment*

Our recommended products:

Our enclosed-access lighting systems improve clarity, support passive safety and prevent shadowing in high-footfall areas.



Prismashield Elite



CSV T



Denver iD Wall

Pedestrian underpasses are often shared access routes linking platforms, exits or street-level concourses. These enclosed spaces demand lighting that eliminates shadows, improves wayfinding, and creates a sense of safety and comfort for passengers at all hours.



As per lighting standards:
EN 12464-1 2021

Part L requirement:
LENI method preferred.
Alternatively, a minimum of 95 luminaire lumens per circuit-watt.

Type of area, task or activity	Min Light Level	R _{UGL}	Colour Rendering (Ra)	Uniformity (U0)
61.2.1 (Fully enclosed passenger subways (underpasses), small number of passengers)	50 lux		Ra 80	0,30
61.2.1 (Fully enclosed passenger subways (underpasses), small number of passengers)	100 lux		Ra 80	0,40
61.2.1 (Fully enclosed passenger subways (underpasses), small number of passengers)	200 lux		Ra 80	0,50

Challenges

- Poor lighting increases perceived risk and discourages use
- Moisture and vandalism require robust, impact-tested fittings
- Restricted ceiling space limits traditional mounting options
- Lighting must remain compliant and maintainable over time

Holophane solutions

We engineer compact, high-performance bulkheads and wall luminaires that provide wide, uniform coverage in enclosed pedestrian zones.

Vandal-resistant construction, high ingress protection and prismatic glass optics help to maintain performance and visibility over time.

Our HOLOSOOne control system supports emergency lighting, runtime diagnostics and remote performance checks to meet compliance obligations and reduce callouts.

Footbridges & walkways

Safe, low-glare navigation for stairs, overpasses and connecting routes



**Support safe movement
and confident navigation**

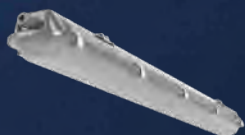
*Book your free audit
for lighting overpasses,
footbridges and stairwells*

Our recommended products:

Lighting solutions designed for public safety, slip prevention and visual comfort on elevated or enclosed access routes.



Prismashield Elite



CSV T



V-Max

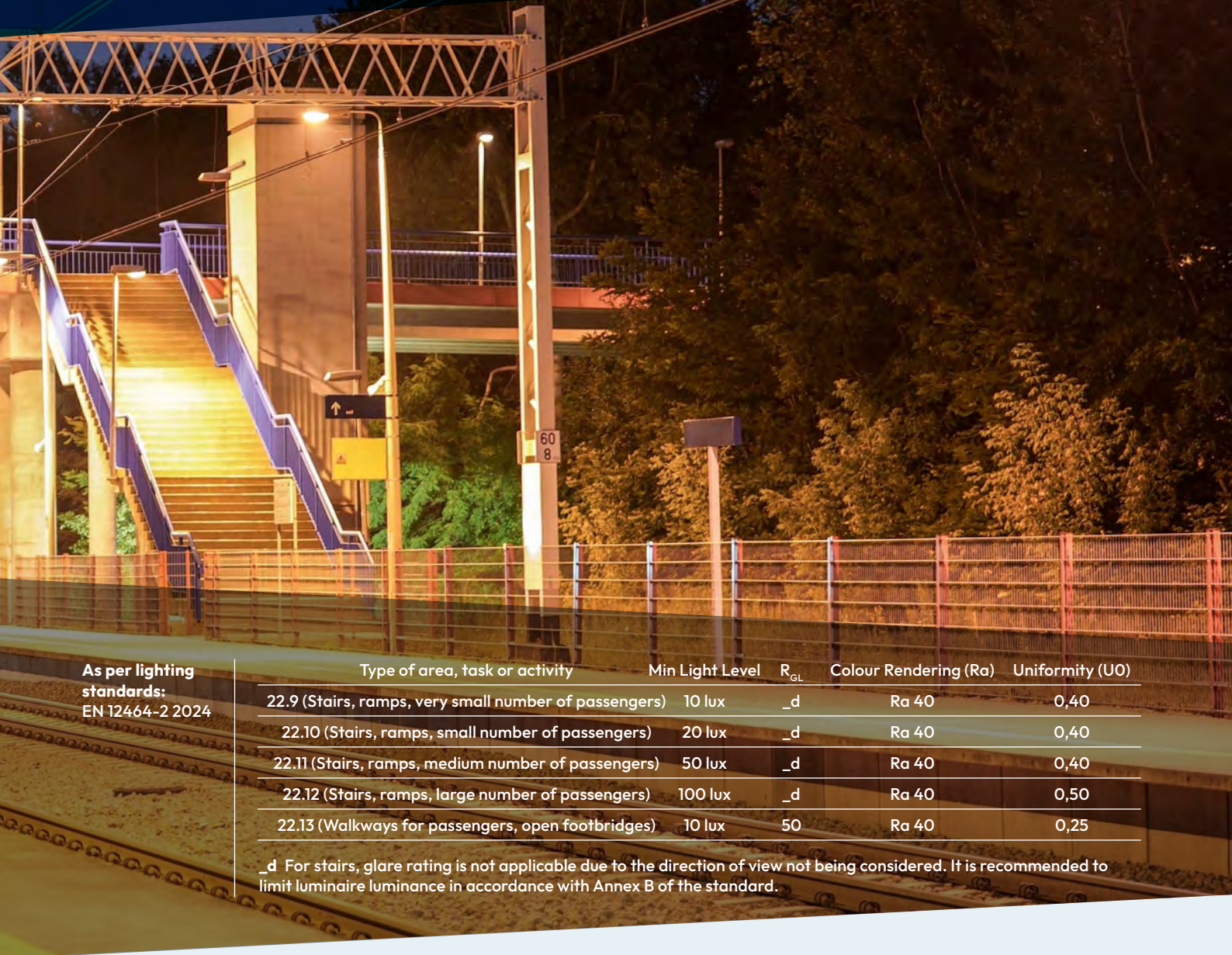


D-Series



Denver iD Pole

Footbridges, ramps and connecting walkways are essential for station access and passenger flow. Poor lighting in these areas increases the risk of slips, disorientation or safety incidents, especially in wet or low-visibility conditions.



As per lighting standards:
EN 12464-2 2024

Type of area, task or activity	Min Light Level	R _{GL}	Colour Rendering (Ra)	Uniformity (U0)
22.9 (Stairs, ramps, very small number of passengers)	10 lux	_d	Ra 40	0,40
22.10 (Stairs, ramps, small number of passengers)	20 lux	_d	Ra 40	0,40
22.11 (Stairs, ramps, medium number of passengers)	50 lux	_d	Ra 40	0,40
22.12 (Stairs, ramps, large number of passengers)	100 lux	_d	Ra 40	0,50
22.13 (Walkways for passengers, open footbridges)	10 lux	50	Ra 40	0,25

_d For stairs, glare rating is not applicable due to the direction of view not being considered. It is recommended to limit luminaire luminance in accordance with Annex B of the standard.

Challenges

- Uneven light levels across steps, ramps and crossing zones
- Glare from fittings can impair depth perception or visibility
- High pedestrian footfall requires consistent lighting and clarity
- Exposure to outdoor elements, impact or vandal risk

Holophane solutions

We specify wide-distribution, low-glare optics to improve safety and visual comfort on footbridges, stairwells and elevated walkways.

Our IP-rated, impact-resistant luminaires are suitable for retrofit or new installations, with options for wall, column or ceiling mounting.

With HOLOSOOne smart controls, lighting profiles can adapt based on occupancy, time of day or event schedules to improve safety and reduce energy use.

H Open & covered platforms

Safe boarding and clear sightlines for every passenger



Lighting that supports
safe boarding and
clear visibility

*Book your free platform
lighting review*

Our recommended products:

Our lighting systems are proven across the UK rail network, supporting driver visibility, passenger comfort and CCTV clarity.



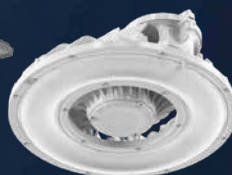
Denver iD Pole



Denver iD Wall



D-Series



Holobay



Prismashield Elite



CSVT

Platform areas are high-risk, high-traffic environments where lighting must support visibility for passengers, operators and surveillance systems. Whether open-air or under canopy, luminaires must deliver vertical uniformity and reduced glare without visual hotspots.

As per lighting standards:
EN 12464-2 2024

° The lighting level can be reduced post-curfew by two of the recommended steps in the same of illuminances.

Type of area, task or activity	Min Light Level	R _{GL}	Colour Rendering (Ra)	Uniformity (U0)
22.1 (Open / very small number of passengers)	5 lux	50	Ra 40	0,20
22.2 (Open / small number of passengers)	10° lux	50	Ra 40	0,25
22.3 (Open / medium number of passengers)	20° lux	50	Ra 40	0,30
22.4 (Open / large number of passengers)	50° lux	50	Ra 40	0,40
22.5 (Covered / very small number of passengers)	10 lux	50	Ra 70	0,20
22.6 (Covered / small number of passengers)	20° lux	50	Ra 70	0,25
22.7 (Covered / medium number of passengers)	50° lux	50	Ra 70	0,30
22.8 (Covered / large number of passengers)	100° lux	50	Ra 70	0,40

Challenges

- Glare can obstruct driver visibility and reduce signage legibility
- Poor vertical illumination compromises CCTV performance and safety
- Luminaires are exposed to vibration, impact, dirt and harsh weather

Holophane solutions

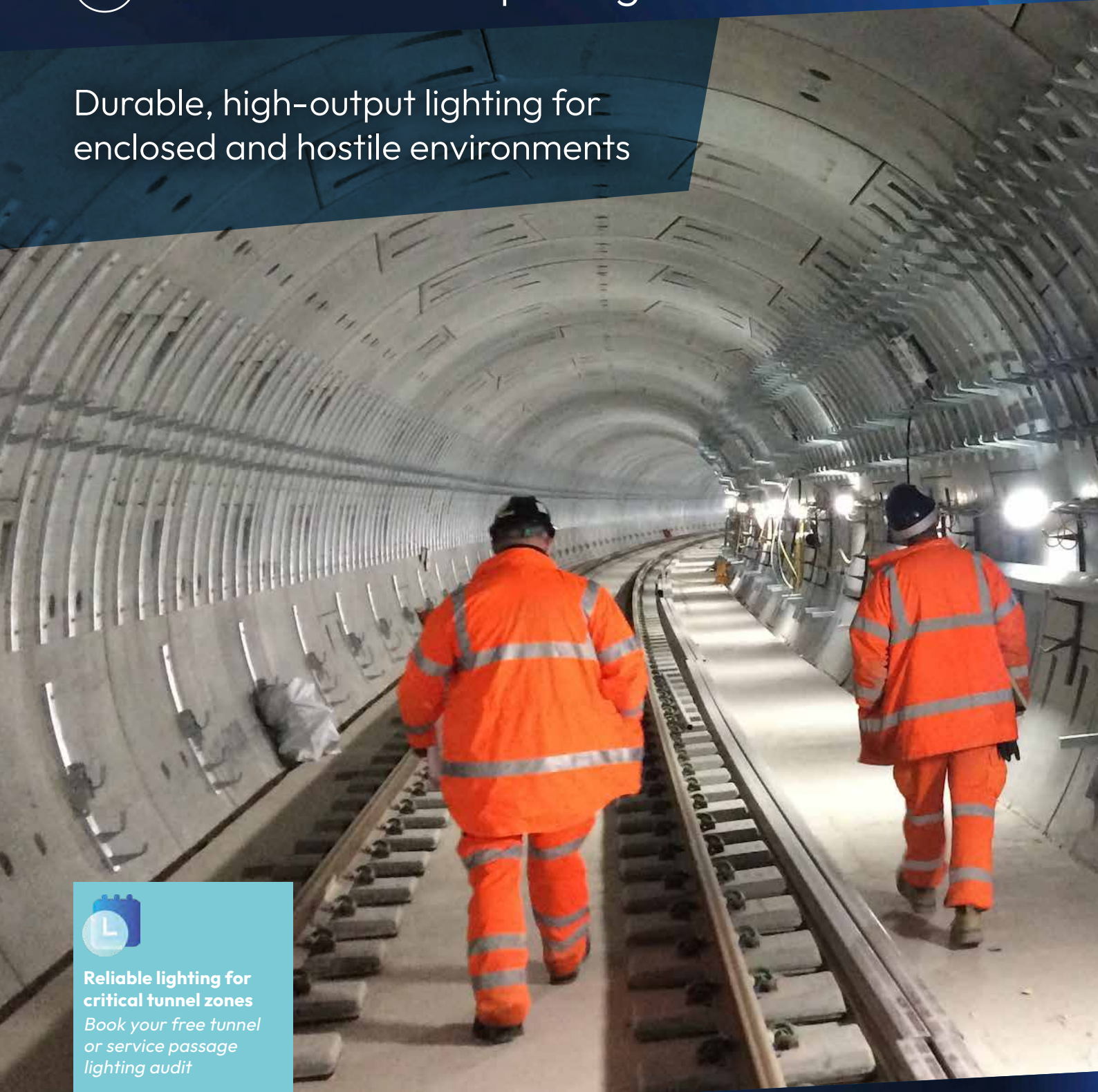
Our platform lighting systems combine prismatic, low-glare optics with high vertical uniformity to improve safety, navigation and operational clarity.

IP66-rated and vibration-resistant housings ensure long-term durability across all platform types.

With HOLOSOOne smart control, operators can monitor diagnostics, run emergency tests and apply daylight-responsive dimming for efficiency without compromising safety.

I Tunnels & service passages

Durable, high-output lighting for enclosed and hostile environments



Reliable lighting for critical tunnel zones

Book your free tunnel or service passage lighting audit

Our recommended products:

Designed for inspection, emergency and routine access, our systems offer tunnel-ready durability and uniform light distribution in harsh conditions.



Metrolux



Parkpack

Tunnel zones, ducts and underground service routes are some of the most challenging rail environments. Lighting must remain operational in harsh conditions and ensure visibility for inspection, detrainment and emergency evacuation. Fittings must also withstand vibration, ingress, chemical exposure and regular cleaning.

As per lighting standards:
EN 12464-1 2021

Part L requirement:
LENI method preferred.
Alternatively, a minimum of 95
luminaire lumens per circuit-watt.

Type of area, task or activity	Min Light Level	R _{UGL}	Colour Rendering (Ra)	Uniformity (U0)
61.9 (Access tunnels)	50 lux		Ra 20	0,40

Challenges

- Limited space and mounting options
- Vibration, dirt, humidity and corrosive environments
- Emergency lighting and escape route requirements
- Harsh or flickering light reduces clarity and comfort

Holophane solutions

We specify high-performance luminaires designed for enclosed, high-risk environments. Prismatic glass optics and sealed housings maintain visual clarity and performance over time.

Fittings are IP66-rated and vibration-tested, with emergency versions available.

With HOLOSOOne smart controls, operators can schedule lighting zones, monitor diagnostics and test safety systems without disruption.

J Traincare depots & maintenance facilities

Reliable light for high-risk industrial environments



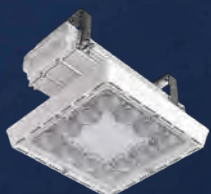
**Lighting that works
as hard as your
maintenance teams**
Book your free depot
lighting review today

Our recommended products:

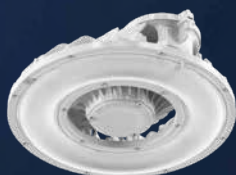
Designed to support detailed inspection, servicing and safety in 24/7 rail maintenance environments across the UK.



Prismashield Elite



Prismpack



Holobay



CSV T



Prismaspace

Traincare depots demand high-performance lighting to support safe, accurate inspection and maintenance activities. These environments often feature pit lanes, gantries, and narrow walkways that require precise, glare-controlled illumination with durable, low-maintenance fittings.



As per lighting standards:
EN 12464-1:2021

Part L requirement:
LENI method preferred.
Alternatively, a minimum of 95 luminaire lumens per circuit-watt.

Type of area, task or activity	Min Light Level	R _{UGL}	Colour Rendering (Ra)	Uniformity (U0)
61.10.1 (Rough)	200 lux		Ra 80	0,40
61.10.2 (Medium)	300 lux		Ra 80	0,50
61.10.3 (Fine)	500 lux		Ra 80	0,60
61.10.4 (Precision)	750 lux		Ra 80	0,70

Challenges

- Inspection areas require consistent, shadow-free lighting
- Glare can cause discomfort or reduce visibility for engineers
- Environments are exposed to vibration, grime and thermal changes
- Safety and access must be prioritised around equipment and pits

Holophane solutions

We combine low-glare prismatic optics with directional light control to illuminate pit lanes, gantries and maintenance bays effectively.

Our IP-rated, vibration-resistant luminaires are ideal for harsh, external or semi-covered depot conditions.

Smart control systems like HOLOOne enable zone-based lighting profiles, diagnostics, and emergency test scheduling to meet operational requirements without disruption.

J Yards, sidings & exterior service zones

High-output lighting built for harsh environments and operational safety



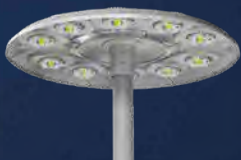
**Safer working.
Smarter energy use**
*Book your free lighting
assessment for exterior
rail environments*

Our recommended products:

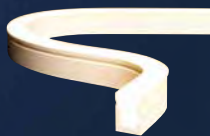
Our luminaires deliver peace of mind through uniform coverage, glare control and robust build.



HMAO



CityMax Large



FlexLED



V-Max



D-Series



Denver iD Bollard

Exterior yards, stabling points and siding areas require lighting that supports safe movement for people and rolling stock. These wide, open environments often have limited mounting points, making uniformity and optical control essential. Security, weather resistance and energy efficiency are critical for long-term reliability and safety.



As per lighting standards:
EN 12464-2 2024

Type of area, task or activity	Min Light Level	R _{UGL}	Colour Rendering (Ra)	Uniformity (U0)
22.18 (Flat marshalling)	10 lux	50	Ra 40	0,40
22.19 (Hump areas)	10 lux	50	Ra 40	0,40
22.21 (Servicing)	20 lux	50	Ra 40	0,40
22.22 (Handling area)	30 lux	50	Ra 40	0,40
22.23 (Coupling area)	30 lux	50	Ra 40	0,40
22.24 (Inspection pit)	100 lux	50	Ra 40	0,50

Challenges

- Wide areas with sparse columns and high-mounting heights
- Glare or spill light can affect adjacent properties or trackside operations
- Harsh weather, impact risk and vibration exposure
- Need for reliable lighting to support shift work and overnight operation

Holophane solutions

Our flood and column-mounted luminaires combine long-throw distribution with full cut-off optics to deliver targeted performance without obtrusive light. Designed for industrial durability, our fittings are IP66 and IK10 rated with integrated surge protection. Smart-enabled options with HOLOSONE controls support dimming schedules, fault reporting and maintenance planning across large exterior networks.


Retrofit lighting for station & depot projects

Trusted by operators to upgrade rail environments without starting over

Benefits of retrofit over full replacement

Holophane retrofit solutions help rail engineers and operators meet performance, safety and compliance goals without the lead time, cost or disruption of full system replacement. We're already supporting Network Rail and TOCs in modernising existing spaces.

- ✓ Faster project turnaround and phased installation
- ✓ Reduced carbon footprint and material waste
- ✓ No need to disturb legacy infrastructure or ceilings
- ✓ Lower project cost with equal performance outcomes
- ✓ Easy integration with HOLOOne for smart control and testing
- ✓ Fully TM66 and TM65 certified for circularity and embodied carbon



Not every project starts with a blank slate. Whether it's a train care depot, platform canopy or underpass with legacy wiring, Holophane delivers efficient, low-disruption lighting upgrades that extend asset life and improve safety and sustainability without complete replacement.



Smarter upgrades without the disruption

Extend asset life and book your free rail lighting retrofit consultation

Challenges

- Outdated luminaires with poor energy performance
- Legacy trunking or surface-mount constraints
- Limited access windows for installation
- Pressure to reduce embodied carbon and waste

Holophane solutions

Our retrofit-ready products are designed for quick swaps, smart upgrades and right-to-repair servicing.

We provide form-factor flexibility, tool-less access and HOLOOne wireless control to avoid costly rewiring. Every solution is backed by TM66 circularity and long-life optical performance.

CASE STUDIES

Lighting solutions proven across the UK rail network

From passenger platforms to traincare depots, our systems are delivering safety, reliability and long-term value in live rail environments.

Milton Keynes Central Station

Challenge

Upgrade platform and concourse lighting to improve visibility, lower energy consumption and reduce maintenance demands.

Solution

Holophane supplied **Haloprism™**, **LEDlightpipe®** **EVO** and **Prismashield** luminaires across key station areas, all integrated with the **HOLOS2** smart control system to improve illumination, support CCTV performance and enable smarter energy use.



Read in full



See what we've delivered for others

Book your free rail lighting consultation



Bletchley Train Maintenance Depot

Bletchley Train Maintenance Depot

Challenge

The 1m-wide walkways were completely unlit, creating a safety risk during night operations and low-light conditions. Column-based lighting was dismissed due to clearance and maintenance concerns. The solution needed to provide 10 lux inwards and 50 lux outwards for inspection, without obstructing the walkway.

Solution

Holophane worked with West Midlands Trains, Taylor Woodrow and March Engineering to deliver a low-profile LED strip system installed at a 45° tilt. The design avoided obstructions while achieving glare-free, compliant illumination throughout the full walkway length.

Customer testimonial:

"The walkways were completely unlit, which created a serious safety concern for our teams working at night. Holophane's low-profile approach was the perfect fit. The new lighting has transformed visibility and made inspections much safer and more efficient. We're confident in its long-term performance and would absolutely consider rolling it out at other depots."

Tony Redfern,
Construction Manager, West Midlands Trains



Read in full



Innovation and partnership built in

Lighting systems that go further and last longer

From first concept to final commissioning, Holophane brings more than just luminaires. Our innovation is matched by a partnership approach that supports every stage of rail project delivery. Whether you need smart controls, circular design or compliance with evolving rail standards, we're here to help you get it right.

Trusted delivery

A century of rail lighting experience with certified performance, local manufacturing, and a proven track record across the UK rail network.

Certified quality

Products are independently tested and aligned to TM66, TM65, BS EN 12464-2 and RIS-7702-INS. Made in the UK to ISO 9001 quality standards.

Smart control built in

All rail luminaires are compatible with HOLOSOne, enabling emergency testing, diagnostics, dimming and fault detection as standard.

Sustainability by design

Every luminaire supports Holophane's EarthLIGHT strategy, built to be recyclable, serviceable and low carbon across the full lifecycle.

Lighting design support

From initial site surveys to TM66 assessments, Lux calculations and full CAD layouts, we help ensure every lighting plan meets brief, budget and compliance.

Warranty & aftercare

Standard 5-year warranty with extension options. Delivered with full commissioning and field support.

Our partnership approach

Lighting excellence from the very start

Early-stage engagement ensures compliance and long-term success.

Expertise & collaboration throughout the project

We support TOCs, contractors and consultants at every stage—from specification to install.

We're a single-source provider

One team, one smart-ready portfolio—delivering reliable lighting and smart control across your entire network.

Smart controls with HOLOSOOne

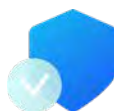
Smarter lighting control for smarter rail infrastructure

HOLOSOOne is Holophane's intelligent wireless controls platform, purpose-built for complex rail estates. From tunnels and platforms to depots and car parks, it gives you full visibility, energy-saving flexibility and compliance-ready diagnostics — all without adding system complexity.



Unified control

One platform for tunnels, platforms, depots and yards



Always audit-ready

Emergency tests and diagnostics at your fingertips.



Simple to deploy

Wireless commissioning with no cabling required.



Scalable

From single canopy to multi-site estate



Energy efficient

Scene setting, dimming and occupancy-based savings.



Built to last

Designed for rail conditions and backed by expert support.

One platform. Every rail application.

From PIR-activated lighting in underpasses to dusk-to-dawn settings in yards, HOLOSOOne adapts to every zone. You get intuitive control, lower carbon emissions and simplified management across your entire network.

The future of rail lighting control



Start standalone, scale to cloud



Wireless Bluetooth Mesh with no cabling



Multi-user access for estates and contractors



Emergency test automation and reporting



Compatible with TM66 and TM65 circularity



Ideal for retrofit and upgrade projects

Tailored to every rail zone



Platforms and tunnels

Scene-setting, time-based dimming and emergency testing



Underpasses and stairwells

PIR-activated lighting with standby dimming



Depots and yards

Zoning, maintenance alerts and energy usage reports



Car parks

Motion sensing, energy optimisation and audit-ready data



Simplify energy management, compliance and futureproofing across your estate
Talk to our rail controls team



We don't just meet your sustainability targets. We help you go further.

Our EarthLIGHT strategy builds sustainability into every detail, from product design to packaging, helping you lower emissions, improve performance and strengthen long-term resilience across your rail network.

Circularity by design

Every luminaire is designed for serviceability, disassembly and reuse. Rated using TM66, our circularity scores are independently verified.

Made in Britain

Manufactured at our Milton Keynes facility under ISO 9001 and ISO 14001 standards, helping reduce transport miles and maintain full quality control. While not formally certified, we also align our health and safety practices with ISO 45001 guidance.

Energy and control

Smart controls like HOLOSOOne enable dimming, zoning, diagnostics and scene-setting to reduce energy consumption and operational emissions.

Sustainable supply chain

We work with local and responsible suppliers, use recycled packaging and prioritise materials that are low impact and fully recyclable.

Carbon neutral operations

Eighty-five percent of our site energy comes from solar PV, with the remainder sourced from verified renewables. EV chargers, cycle-to-work schemes and waste recycling are embedded across our business.

Right to repair

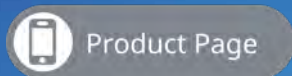
We design luminaires for long-term use, not landfill. Modular components, accessible spares and local support reduce replacement cycles and assist maintenance teams.



Ask us how EarthLIGHT supports your ESG goals and project credentials
Talk to our sustainability team

Rail applications

Discover the perfect lighting solution
scan to explore



Lighting infrastructure that keeps rail moving.

We help engineers, consultants and operators reduce lifecycle costs, improve safety and deliver compliant, sustainable lighting across the UK rail network.

Whether it's a retrofit, a new installation or a full estate-wide strategy, Holophane is ready.

 Holophane Europe Ltd.
Bond Avenue, Bletchley,
Milton Keynes, Bucks, MK1 1JG

 01908 649292
 info@holophane.co.uk
 holophane.co.uk