

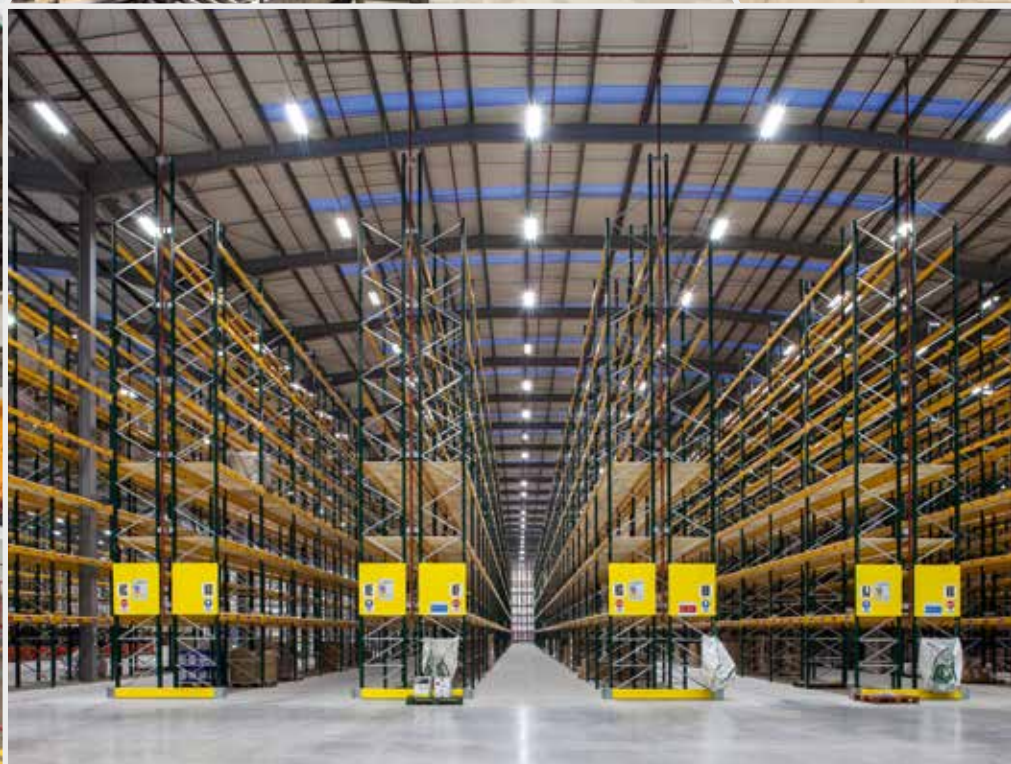
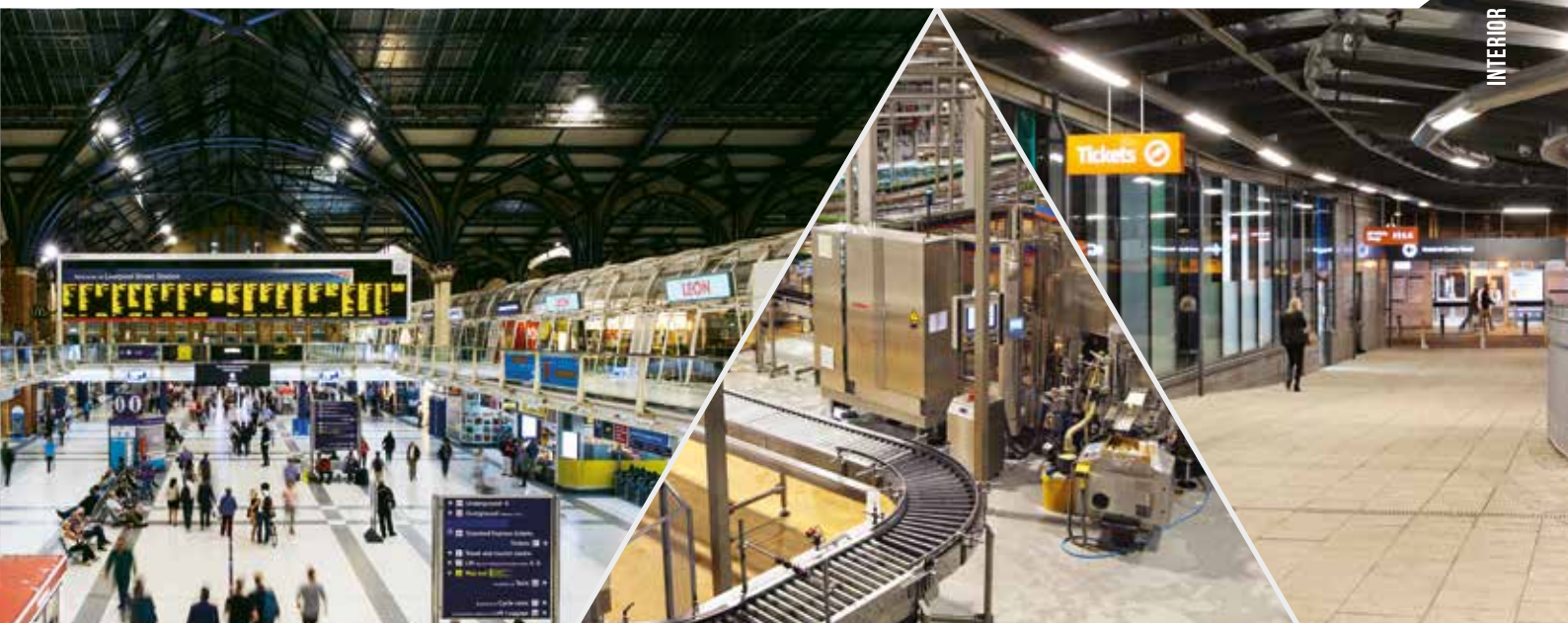
INTERIOR



HOLOPHANE®



MORE THAN 120 YEARS OF INNOVATION AND TECHNICAL EXCELLENCE



AN ENVIABLE REPUTATION THROUGHOUT THE WORLD

For over 120 years the name Holophane has enjoyed an enviable reputation throughout the world for expertise, quality and innovation in lighting. From the earliest days when the company pioneered its famous glass refractor, the Holophane name has been ever present as a leader in the field of luminaire and lighting design.

In today's environment, where landscape lighting, modern architecture and public space projects predominate, the Holophane name remains synonymous with quality design, high performance, low maintenance and cost-effective lighting.

Incorporating interior, exterior, amenity, road, rail and floodlighting luminaires alongside our control solutions, Holophane's product range is suitable for today's demanding, environmentally conscious world, offering lowest total cost of ownership, engineering quality, cutting-edge design and outstanding optical performance. Holophane, part of the Acuity Brands group, provides a comprehensive range of professional lighting services which offer advice and support on all types of professional lighting projects.

About Acuity Brands

At Acuity Brands, we're maximizing the potential of technology to create the best quality of lighting for every environment. With our industry-leading portfolio and proven expertise in indoor and outdoor luminaires, LED lighting technology and daylighting, lighting controls and components, we deliver integrated, intelligent solutions that expand the boundaries of lighting.

Acuity Brands, Inc. (NYSE: AYI) is the North American market leader and one of the world's leading providers of lighting and building management solutions. With fiscal year 2018 net sales of \$3.7 billion, Acuity Brands currently employs approximately 13,000 associates and is headquartered in Atlanta, Georgia with operations throughout North America, and in Europe and Asia. The Company's products and solutions are sold under various brands, including Lithonia Lighting®, Holophane®, Aculux®, American Electric Lighting®, Antique Street Lamps™, Atrius™, DGLogik™, Distech Controls®, DTL®, eldoLED®, Gotham®, Healthcare Lighting®, Hydrel®, Indy™, IOTA®, Juno®, Lucid®, Mark Architectural Lighting™, nLight®, Peerless®, RELOC® Wiring, ROAM®, Sensor Switch®, Sunoptics® and Winona® Lighting.

AcuityBrands.

Expanding the boundaries of lighting™



WE ARE PROUD TO HAVE BEEN AWARDED THE QUEEN'S AWARD FOR ENTERPRISE - INNOVATION 2017



A Queen's Award for Enterprise is the most prestigious award a UK based company can be granted and are bestowed each year by Her Majesty The Queen.

The awards are a globally recognised mark of excellence and were established by a Royal warrant on the 30th November, 1965.

The entry process to win such an award is rigorous and detailed, requiring a compelling narrative of your achievement over a set period of time. The winners of a Queen's Award are invited to Buckingham Palace where the award will be recognised by Her Majesty The Queen.

Development of Innovative Products

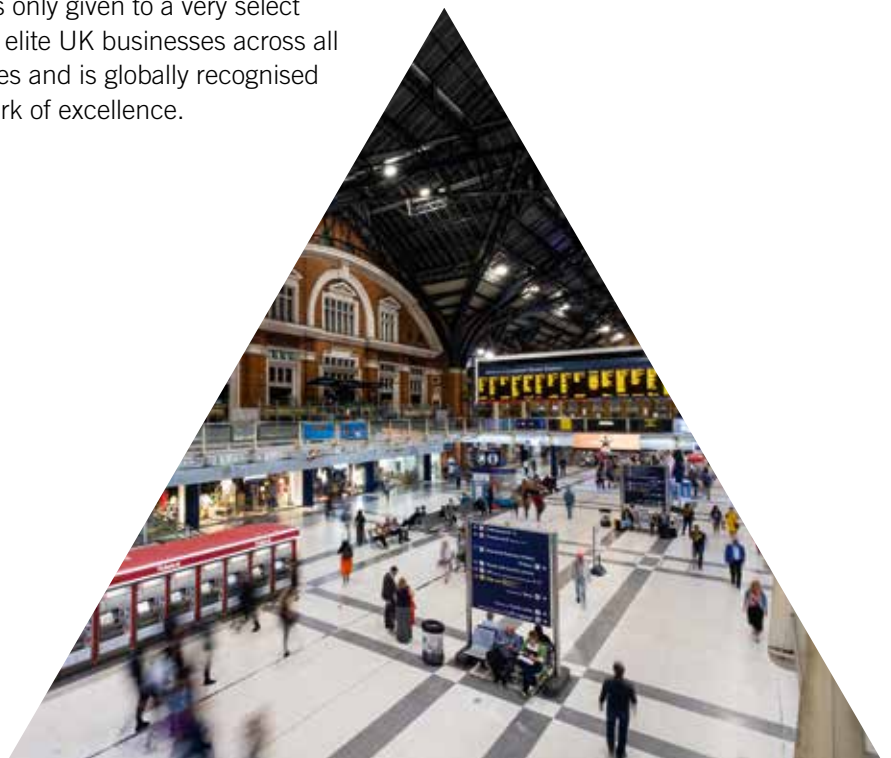
Holophane have received the Queen's Award for Enterprise in Innovation in recognition of our highly innovative lighting product development. This award is only given to a very select band of elite UK businesses across all industries and is globally recognised as a mark of excellence.

Trusted & Reliable UK Manufacturer

Winning such an award is testament to Holophane's dedication to providing our customers with market leading products and solutions. You can be assured of Holophane's expertise providing the best lighting solution available.

Products That Deliver Value

Our Royal award winning products and solutions are designed to provide you with value beyond their function. Through superior optical performance, enhanced energy efficiencies and smart connected lighting solutions, Holophane deliver you the best value.



INTERIOR

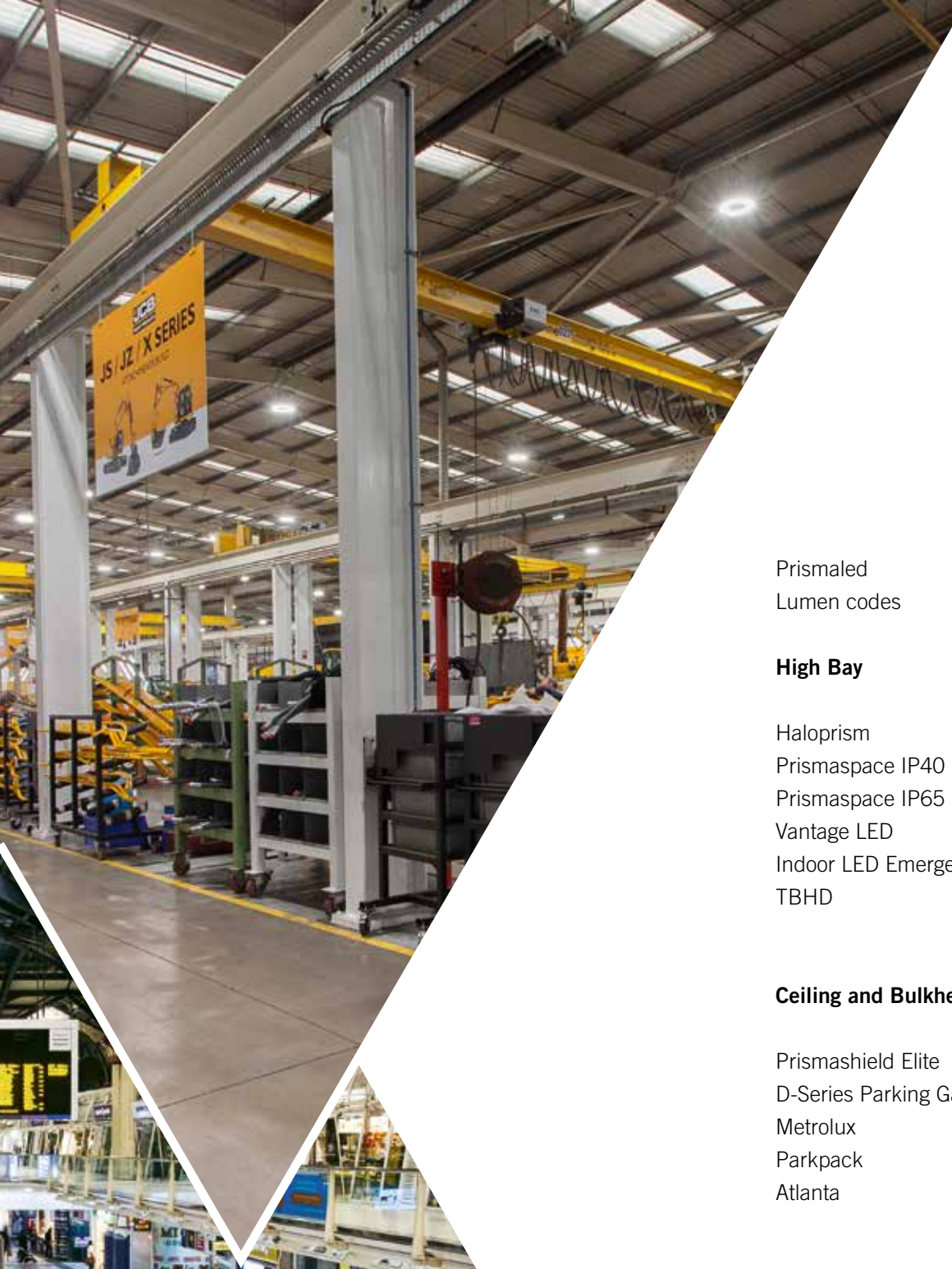
This catalogue gives an overview of the available range of Holophane luminaires and connected solutions.

For more detailed product or technical information please visit www.holophane.co.uk or consult your local Holophane representative.

Note:

The specifications of the Holophane luminaires represents typical values. All descriptions, illustrations, drawings and specifications in the Holophane catalogue and website represent only general particulars of the goods to which they apply and shall not form part of any contract. The company reserves the right to change specifications at its discretion without prior notification or public announcement.





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INTERIOR

High Bay



22

Haloprism



24

Prismaspace
IP40



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Prismaspace
IP65

Ceiling and Bulkhead



40

Prismashield
Elite



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D-Series Parking
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Metrolux

Connected Solutions
Interior

HOLOS**Wired**

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HOLOS Wired

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HOLOS Air



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Vantage LED



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Indoor LED
Emergency



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TBHD



46

Parkpack



48

Atlanta

PRISMALED



Holophane's history lies in it being the first company to give practical application to the principles of the prism as the ultimate means of light control, harnessing and redirecting the output of light source by prismatic means to provide the best in cost effective, efficient lighting. Over 120 years ago Holophane sold the first patented light diffusing globe using borosilicate glass.

Today these principles remain core to Holophane's products and technologies, culminating in our PrismaLED technology. Holophane products featuring PrismaLED technology deliver the following benefits:

Volumetric Illumination

'Volumetric illumination' delivers an optimal mix of light to walls, partitions, vertical and horizontal work surfaces. Results in reduced shadow and increased perceived volume of space. Studies have indicated that increased lighting levels in horizontal and vertical illuminance increase the productivity up to 5.7%*.

Reduces Glare

Without a lens, LEDs can cause discomfort glare when viewed from certain angles. The PrismaLED prismatic lens prevents glare, providing a more attractive and comfortable lighting environment.

Maximises Colour Consistency

Over time, LEDs can discolour and fade, which leads to an inconsistent colour of light. The PrismaLED lens distributes the light from individual LEDs so that any colour change is consistent.

Minimises LED Failure effect

LED failures when using either a clear glass or plastic lens results in obvious black spots in the light distribution.

With a PrismaLED prismatic lens, the effect of a failed LED is greatly reduced, resulting in a general dimming.

Provides superior optical control

Standard lenses can create an uneven and poor distribution in lighting environments.

PrismaLED optics have more superior control over the light output, resulting in a more uniform distribution.

Open area



A sample industrial building using direct light high bay luminaires.

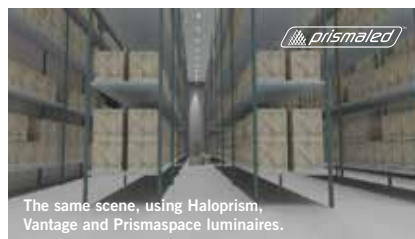


The same scene, using Haloprism, Vantage and Prismaspace luminaires.

Aisle area



A sample warehouse building with racking using direct light high bay luminaires.



The same scene, using Haloprism, Vantage and Prismaspace luminaires.

*Source: Mack trucks, Pa. USA, EC&M

ICON KEY



Lumen Range

Lumen range and packages that the product is available with.



Luminaire Efficacy

This is measured by dividing the delivered luminaire lumens by the total circuit wattage of the luminaire.



Colour Temperature

Known as Correlated Colour Temperature (CCT) defines the colour appearance of the LED and is measured in Kelvin.



Weight

Weight of the luminaire in Kilograms (Kg). Weights may vary with configuration and any accessories added to the luminaire.



TA

The ambient temperature that the luminaire can operate within.



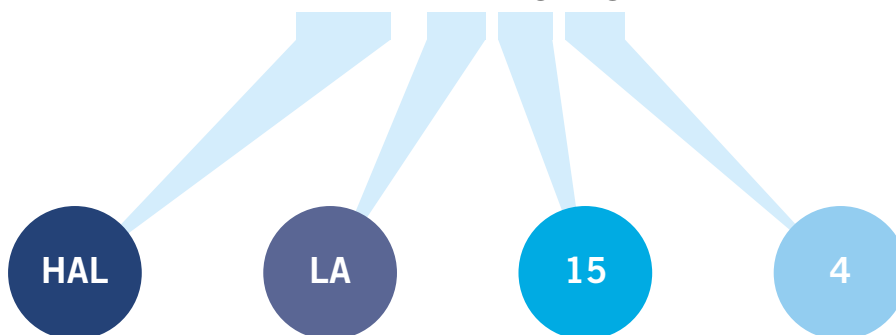
LED Life Expectancy

The estimated life of the LED in hours.

LUMINAIRE ORDER CODES

Sample Code

HAL.LA1548



3 or 4 letter code denoting the product

Example:

HAL = Haloprism

PRS = Prismaspace

PSE = Prismashield Elite

1 or 2 letter code denoting LED type

LM = Mid-Power LED

LA = High-Power LED

L = Legacy letter for High-Power LED

1 or 2 number code denoting lumen packages

Example:

01 = c. 1,000 lumens

10 = c. 10,000 lumens

56 = c. 56,000 lumens

Single digit denoting CCT

3 = 3000K

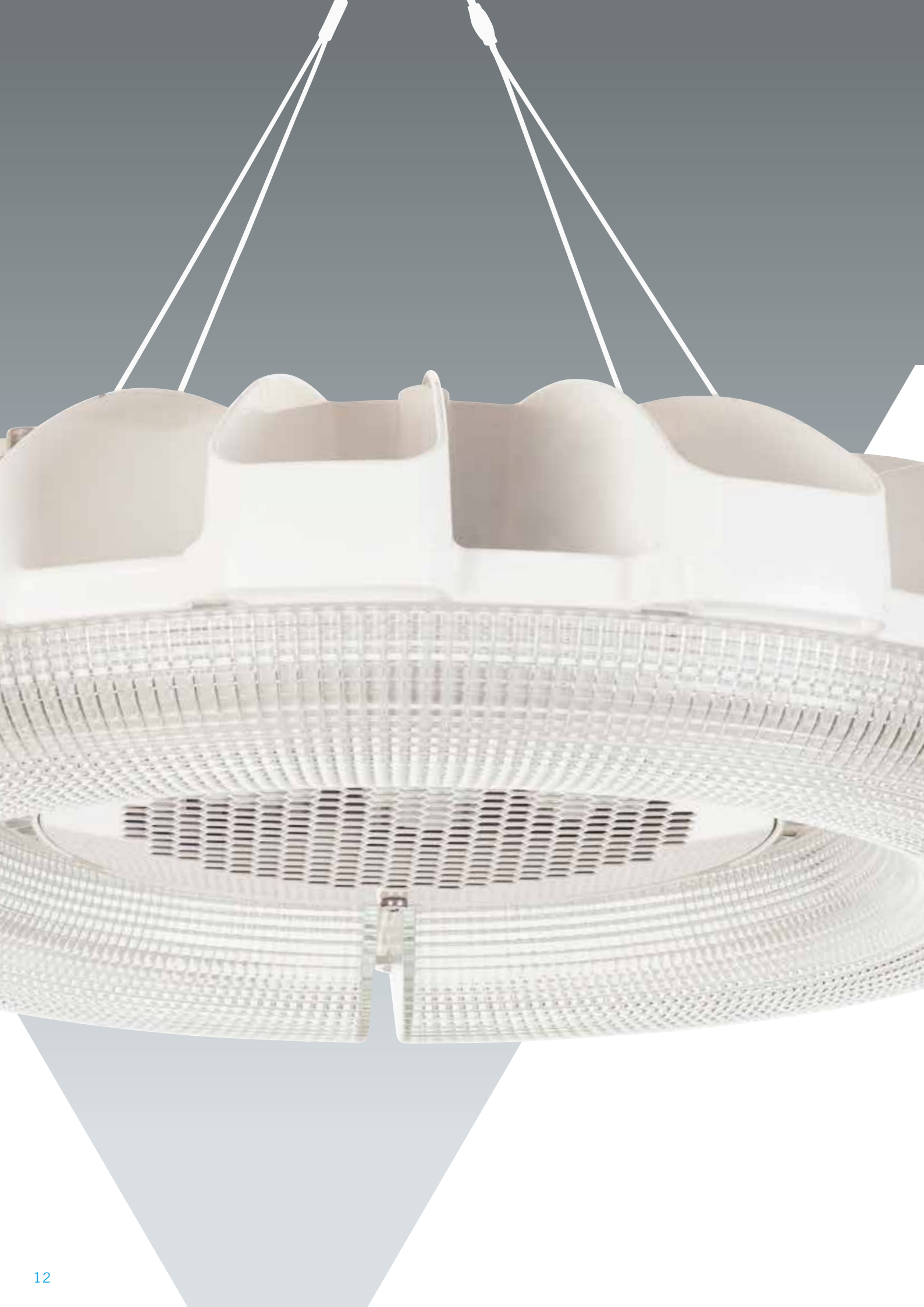
4 = 4000K

In some products this is sometimes followed by another digit denoting CRI:

7 = 70CRI

8 = 80CRI

Lumen data is considered to be representative of the configuration shown, and may vary, with a tolerance on flux of +/- 7% (typical of LED manufacturers data) and luminaire power of +/- 5%.





HIGH BAY



JCB Heavy Products
Haloprism



Kittybrewster
Haloprism





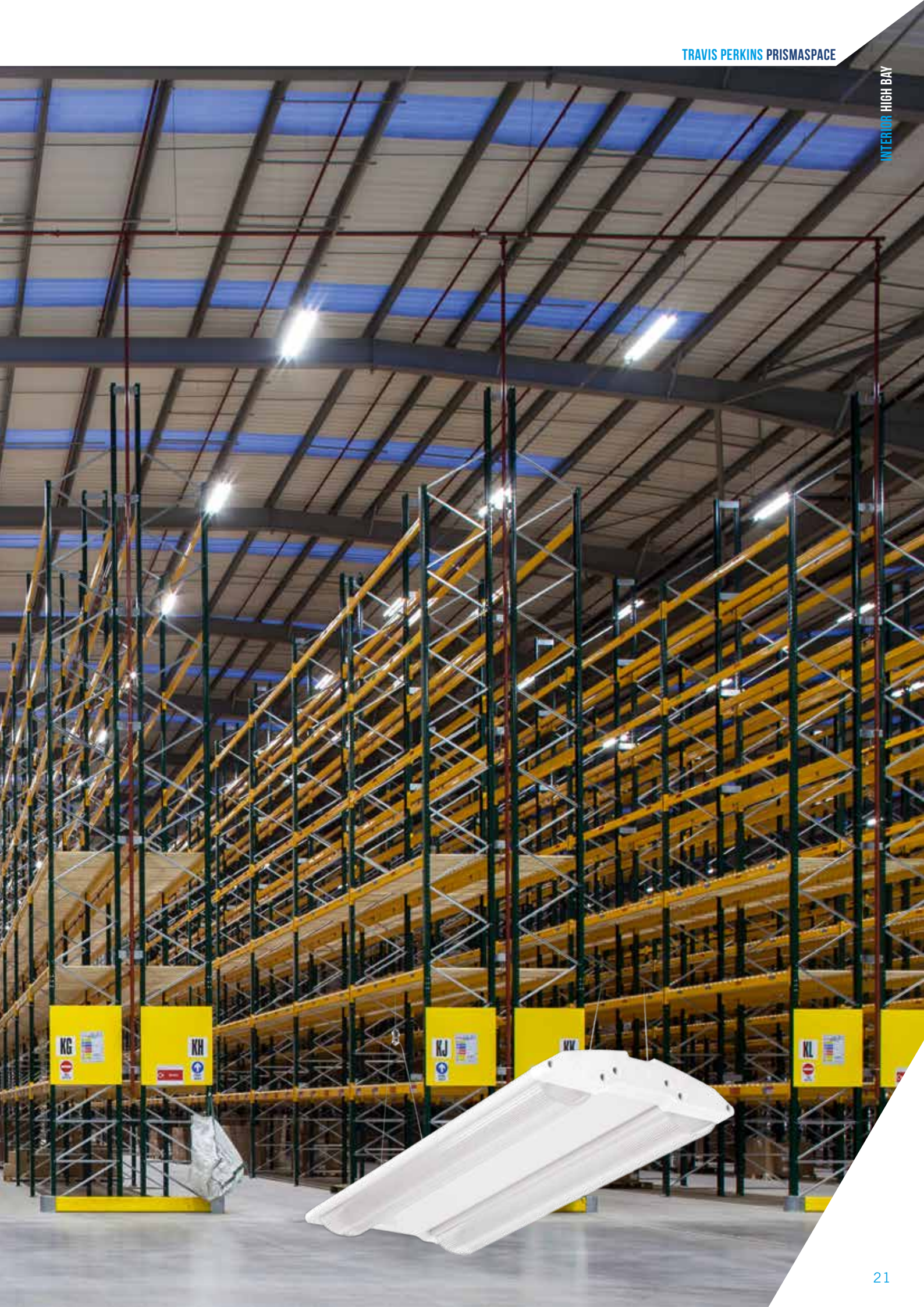


Liverpool Street station
Haloprism / HOLOS Wired



HOLOS Wired

Travis Perkins
Prismaspace



HALOPRISM™

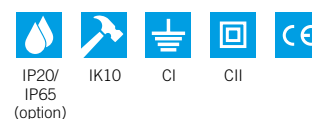


LUX
Awards 2013
WINNER

prismaled™



Taking high bay lighting to new levels of lumen output with superior light control. Haloprism™ combines the latest in LED technology with the dynamics of Holophane's durable prismatic glass optics. Delivering the highest LED lumen package, longest system life and lowest maintenance solution.



Controls system available

Applications

- Factories
- Warehouses
- Aircraft hangers
- Exhibition areas
- Gymnasiums
- Large retail stores
- Railway stations
- Airports

HOLOS**Wired**

HOLOS**Air**lite

HOLOS**Air**

Features and benefits

- Glass optics using PrismaLED technology - reduced glare and improved vertical and horizontal illumination.
- Fully ventilated chassis utilising 3 heat transfer principles: conduction, convection and radiation ensuring maximum component life.



Up to 60,000lm



Up to 156 lm/W luminaire



Colour Temperature
4000K - 80CRI



17kg - 19kg*
including gear
*Dependant on lumen version



Ta
Up to +55°C



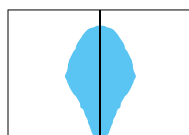
140,000 hour life
L70B50

Typical luminaire performance

Configuration	Delivered Lumens	Power Consumption
HAL.LA1548	c.15,000	143W
HAL.LA2048	c.20,000	196W
HAL.LA3048	c.30,000	271W
HAL.LA4048	c.40,000	383W
HAL.LA5048	c.50,000	519W
HAL.LM1548	c.15,000	108W
HAL.LM2048	c.20,000	163W
HAL.LM3048	c.30,000	213W
HAL.LM4048	c.40,000	299W
HAL.LM5048	c.50,000	382W
HAL.LM6048	c.60,000	473W

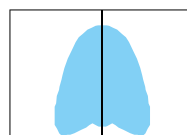
Distributions

Focused



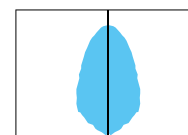
SHR 0.7:1 to 0.9:1

Intensive



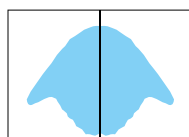
SHR 0.9:1 to 1.2:1

Narrow



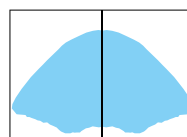
SHR 0.9:1 to 1.3:1

Broad



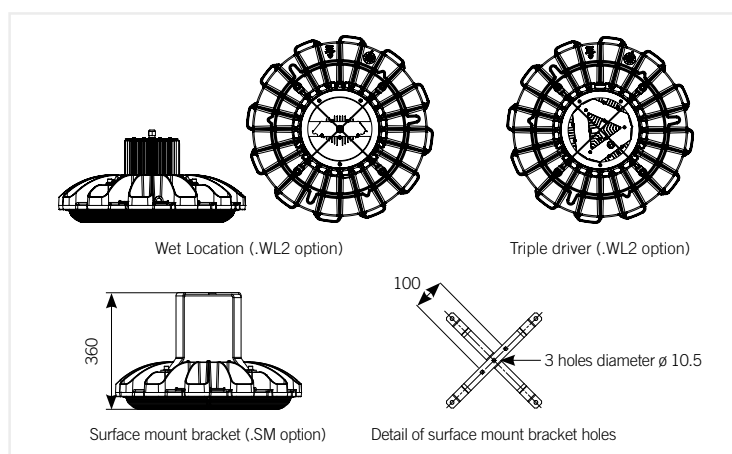
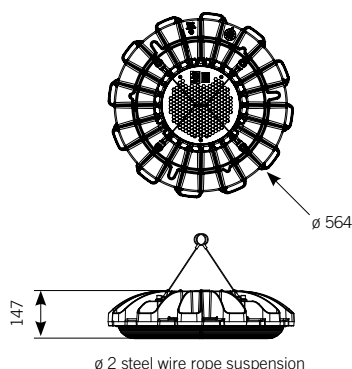
SHR 1.2:1 to 1.7:1

Extensive



SHR 1.7:1 to 2.2:1

Dimensions Millimetres



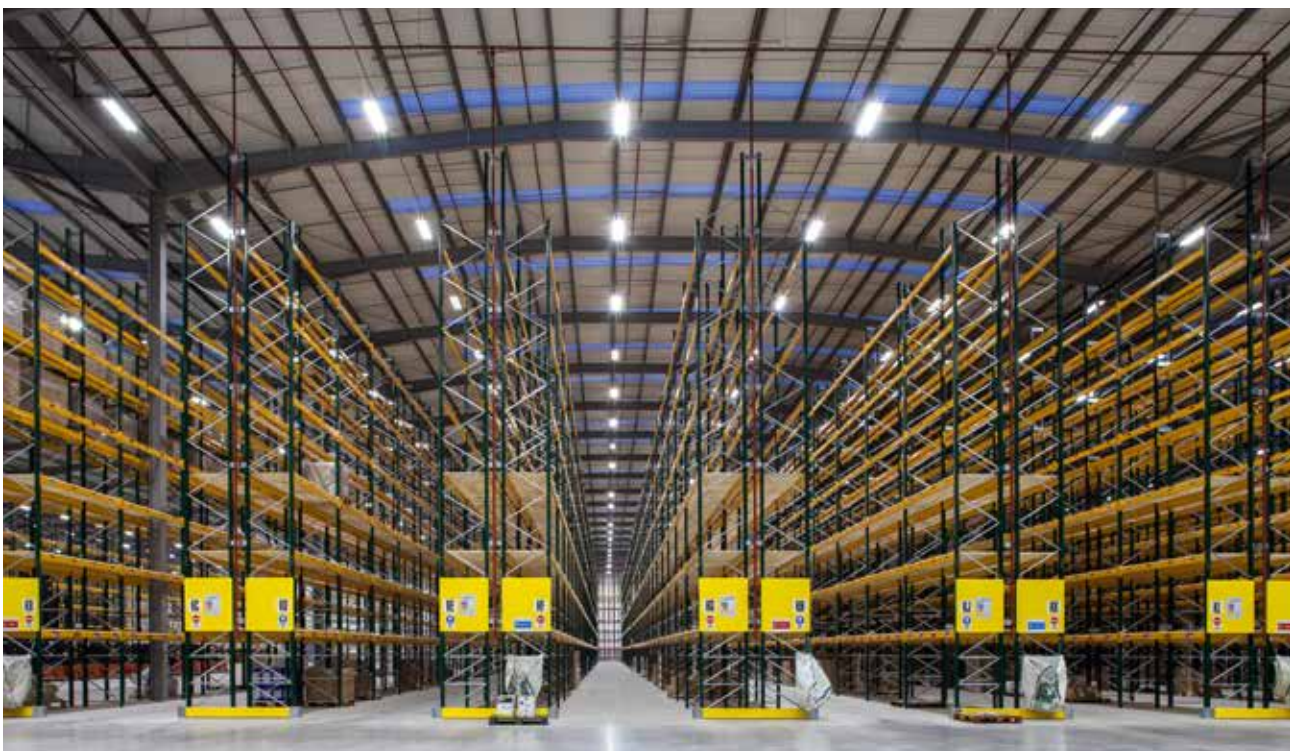
PRISMASPACE™ IP40



IP40 Double Module



IP40 Single Module



Prismaspace™ takes commercial interior lighting to new levels of flexibility with superior light control. The solution combines the latest in highly efficient mid-power LEDs with the distinguished dynamics of Holophane's durable prismatic optics. Combined to deliver unparalleled uniformity and the best in class Adaptable Lighting Solution.



Controls system available

HOLOS**Wired**

HOLOS**Airlite**

HOLOS**Air**

Applications

- Logistic centres
- Distribution centres
- Retail stores
- Warehousing
- Assembly areas
- Industrial areas

Features and benefits

- Flexible mounting options: universal trunking or suspension mount.
- Slim profile design: 73mm single module and 90mm double module.
- Utilises PrismaLED technology for reduced glare and improved 'Volumetric' illumination.



Up to 40,000lm



Up to 179 lm/W
luminaire



**Colour
Temperature**
4000K - 80CRI



Up to 4.6kg*
including gear
*Dependant on lumen version



Ta
-20°C to +55°C
*Ta of +25°C for
Emergency versions

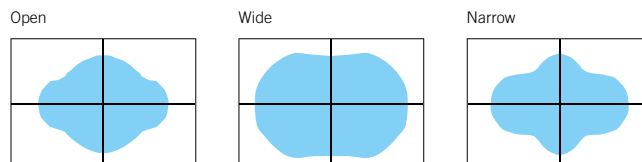


140,000 hour life
L70B50

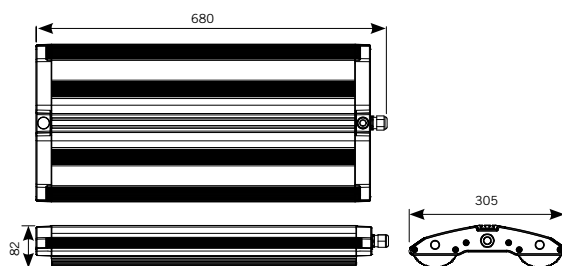
Typical luminaire performance

Configuration	Delivered Lumens	Power Consumption
PRS.S.L0348.HE	c.3,000	23W
PRS.S.L0548.HE	c.5,000	34W
PRS.S.L0748.HE	c.7,000	42W
PRS.S.L0948.HE	c.9,000	54W
PRS.S.L1248.HE	c.12,000	70W
PRS.D.L2248.HE	c.23,000	133W
PRS.D.L2548.HE	c.26,000	150W
PRS.D.L3048.HE	c.31,000	183W
PRS.D.L3548.HE	c.36,000	222W
PRS.D.L4048.HE	c.42,000	260W

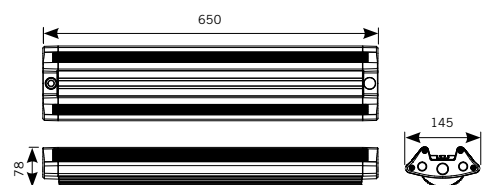
Distributions



Dimensions Millimetres



Double Module IP40



Single Module IP40

PRISMASPACE™ IP65



IP65 Double Module



IP65 Single Module



Prismaspace™ takes commercial interior lighting to new levels of flexibility with superior light control. The solution combines the latest in highly efficient mid-power LEDs with the distinguished dynamics of Holophane's durable prismatic optics. Combined to deliver unparalleled uniformity and the best in class Adaptable Lighting Solution.



Controls system available

HOLOS**Wired**
HOLOS**Air**lite
HOLOS**Air**

Applications

- Logistic centres
- Distribution centres
- Retail stores
- Warehousing
- Assembly areas
- Industrial areas

Features and benefits

- Rotatable optics :Optical Module rotatable from 0° to 180° in 15° increments in single module version or 0° to 45° in double version.
- Flexible mounting options: universal trunking or suspension mount.
- Available with 1 or 3 hour maintained emergency option.



Up to 40,000lm



Up to 179 lm/W
luminaire



**Colour
Temperature**
4000K - 80CRI



Up to 4.6kg*
including gear
*Dependant on lumen version



Ta
-20°C to +55°C
*Ta of +25°C for
Emergency versions



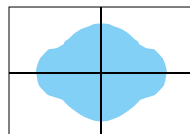
100,000 hour
life

Typical luminaire performance

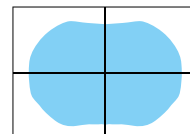
Configuration	Delivered Lumens	Power Consumption
PRS.S.L0348.HE	c.3,000	23W
PRS.S.L0548.HE	c.5,000	34W
PRS.S.L0748.HE	c.7,000	42W
PRS.S.L0948.HE	c.9,000	54W
PRS.S.L1248.HE	c.12,000	70W
PRS.S.L1548.HE	c.15,000	87W
PRS.S.L1848.HE	c.18,000	107W
PRS.S.L2048.HE	c.21,000	127W
PRS.D.L2248.HE	c.23,000	133W
PRS.D.L2548.HE	c.26,000	150W
PRS.D.L3048.HE	c.31,000	183W
PRS.D.L3548.HE	c.36,000	222W
PRS.D.L4048.HE	c.42,000	260W

Distributions

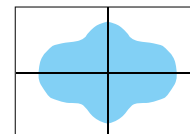
Open



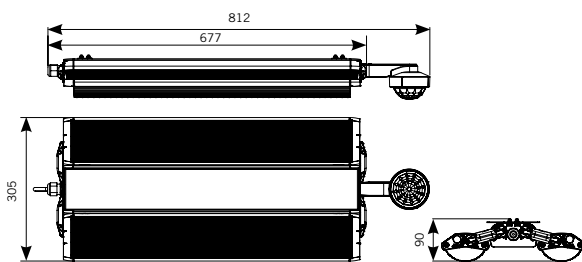
Wide



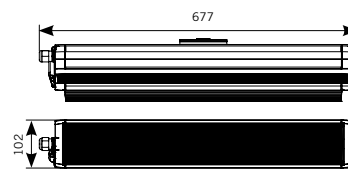
Narrow



Dimensions Millimetres



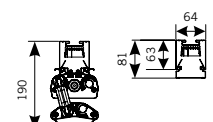
Double Module IP65



Single Module IP65



Luminaire only

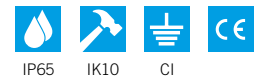


Luminaire mounted to trunking

VANTAGE® LED



Using the latest in optical, electronic and thermal management technologies, Holophane has designed a luminaire specifically for food processing and clean room environments.



Controls system available

HOLOS**Wired**
HOLOS**Airlite**
HOLOS**Air**

Applications

- Food processing and handling
- Beverage processing
- Pet-food production
- Poultry and meat processing
- Chemical processing
- Cold storage/freezers
- Pharmaceutical plants

Features and benefits

- Designed specifically for food and beverage industry applications.
- Sloped shape and ultra-sleek corrosion-resistant finish that repels water and provides nowhere for food, dirt or debris to hide or accumulate.
- The one piece acrylic refractor provides a uniform seal and is easily cleaned.



Up to 28,000lm



Up to 115 lm/W luminaire



Colour Temperature
4000K - 80CRI



17kg



Ta
-20°C to +50°C



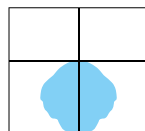
140,000 hour life
L70B50

Typical luminaire performance

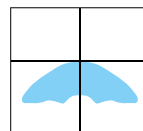
Configuration	Delivered Lumens	Power Consumption
VAN.LA154	c.14,800	128W
VAN.LA224	c.21,700	188W
VAN.LA284	c.28,000	245W

Distributions

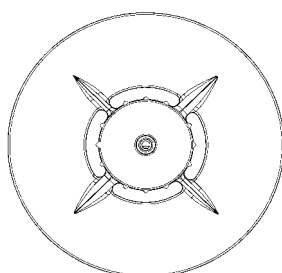
Medium



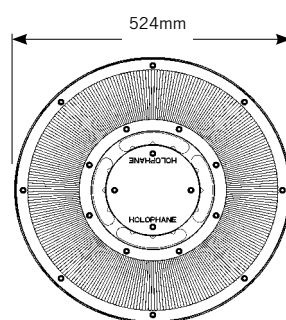
Wide



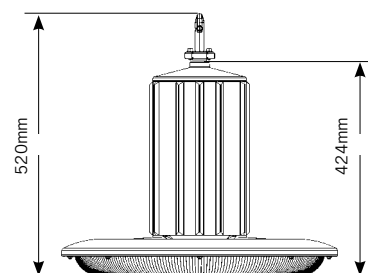
Dimensions Millimetres



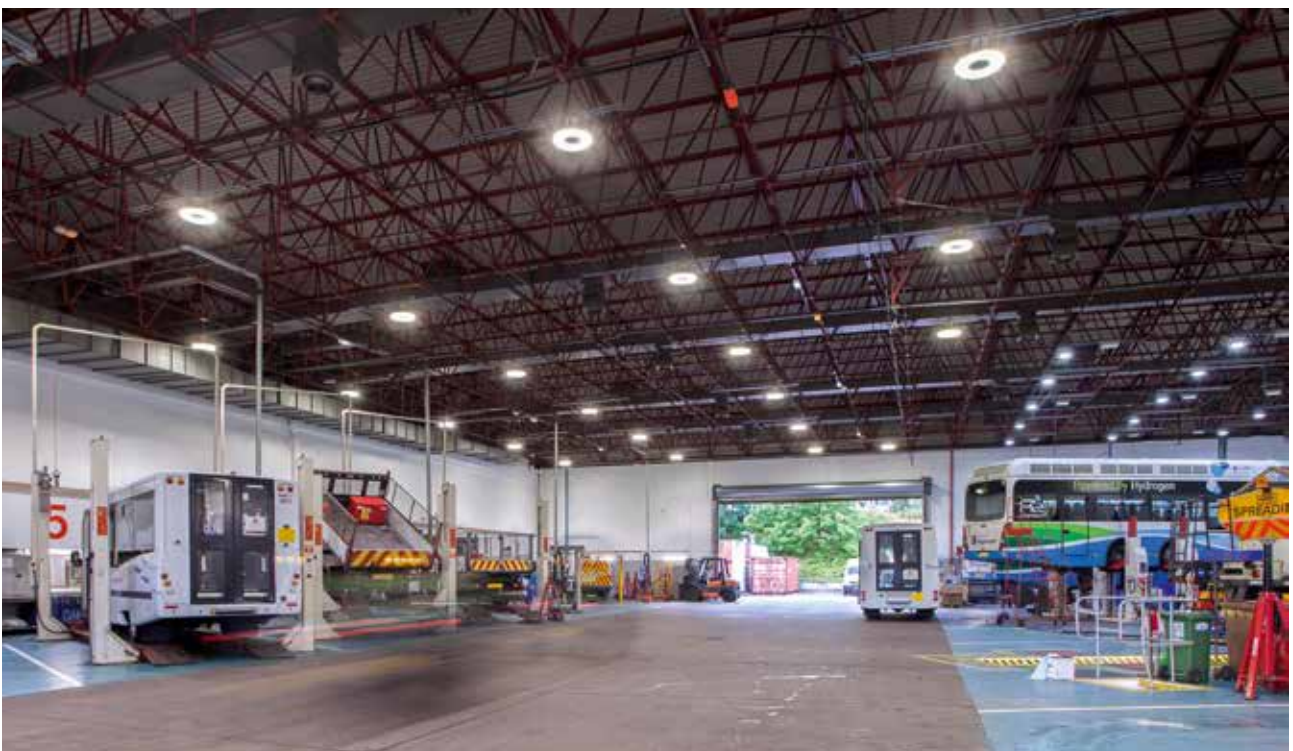
Top



Bottom



INDOOR LED EMERGENCY



A non-maintained surface/suspension mounted LED emergency luminaire for high level indoor applications in industrial premises. Suitable for either open area (OD) or racking (ND) illumination. Available as standard, self-test or DALI addressable.



Controls system available

HOLOS**Wired**

Applications

- Open areas
- Racking
- Convention Centres
- Light Industrial
- Commercial Environments

Features and benefits

- 3 hour duration, non maintained.
- Surface and suspended mount.
- Power consumption 4 Watt when charging.



Up to 400lm



Up to 100 lm/W luminaire



Colour Temperature
4000K - 80CRI



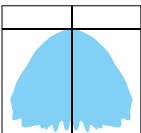
1.8kg

Typical luminaire performance

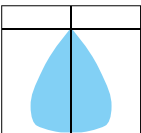
Configuration	Delivered Lumens	Power Consumption
LEDEM.LA0044	c.400	4W

Distributions

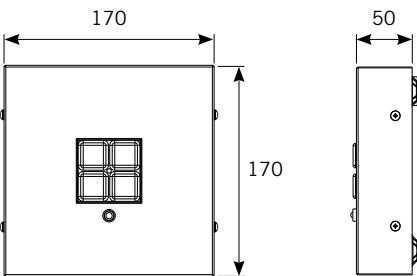
Narrow (ND)



Open (OD)



Dimensions Millimetres





The TBHD luminaire is a linear indoor luminaire designed for a variety of applications and suitable for surface or suspension mounting. Thanks to the state-of-the-art LEDs and the various optical distribution options, it meets the highest performance standards and provides exceptional visibility and uniformity.



Controls system available

HOLOSWired

Applications

- Retail Environments
- Warehousing
- Convention Centres
- Light Industrial
- Commercial Environments

Features and benefits

- Suspension or surface mounted.
- IK08: suitable for harsh environments.
- Available with through-wiring option.



Up to 9,000lm



Up to 134 lm/W luminaire



Colour Temperature
3000K - 80CRI
4000K - 80CRI



Up to 3.5kg



Ta
-25°C to +45°C



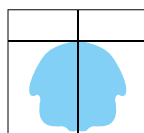
90,000 hour life
L80B50

Typical luminaire performance

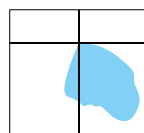
Configuration	Delivered Lumens	Power Consumption
TBHD.L014	c.1,000	10W
TBHD.L034	c.2,700	22W
TBHD.L054	c.5,000	37W
TBHD.L074	c.6,700	50W
TBHD.L084	c.7,500	60W
TBHD.L094	c.9,000	68W

Distributions

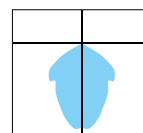
Extensive (LD)



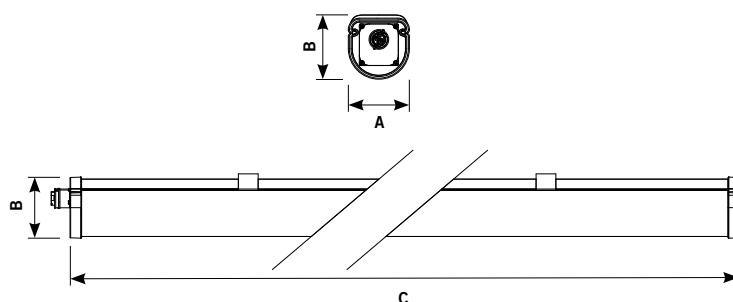
Asymmetric (AY)



Narrow (ND)

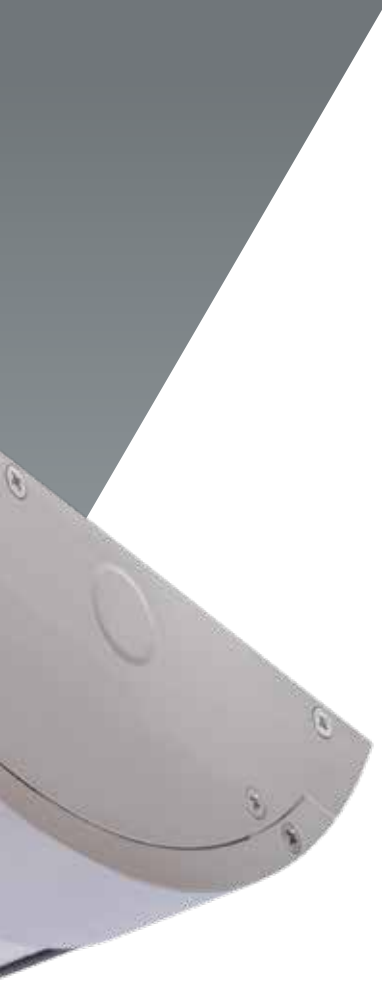


Dimensions Millimetres



	A	B	C
L01X / L03X	92	92	660
L05X / L07X	92	92	1270
L08X / L09X	92	92	1570





CEILING & BULKHEAD



Finsbury Park Station
Prismashield Elite



London Underground
Metrolux





PRISMASHIELD™ ELITE



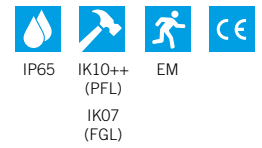
Cornice version



Cable Management System available



Designed to meet the demanding environments of a metro or rail infrastructure application, Prismashield™ Elite is a robust, stylish and multi-functional luminaire which can withstand severe physical attack, exposure to weather and vibration.



Controls system available

HOLOSWired

Applications

- Underpasses
- Car parks
- Airports
- Stations
- Under canopy areas
- Secure units
- Hospitals
- Prisons

Features and benefits

- Available with a extensive cable management and infill-panel system.
- Can be surface mounted or cornice mounted (not suitable for wall mounting).
- Available with integrated 3 hour maintained emergency option.



Up to 11,000lm



Up to 110 lm/W luminaire



Colour Temperature
4000K - 80CRI



Up to 16kg



Ta
-10°C to +40°C



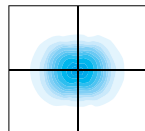
90,000 hour life
L70B50

Typical luminaire performance

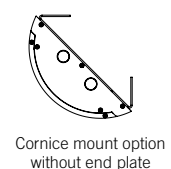
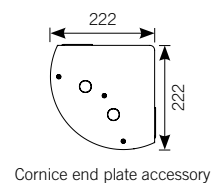
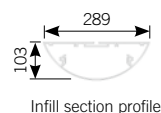
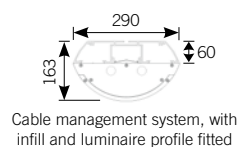
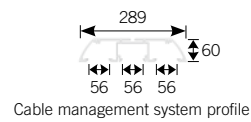
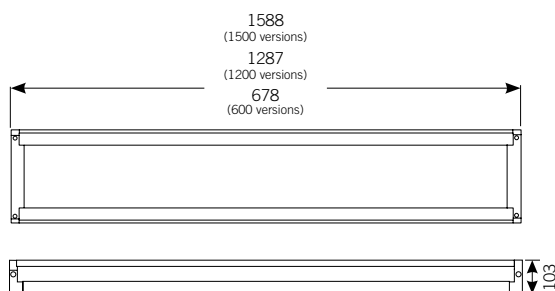
Configuration	Delivered Lumens	Power Consumption
PSE.L024	c.2,000	23
PSE.L054	c.5,000	43
PSE.L064	c.6,000	54
PSE.L094	c.9,000	85
PSE.L114	c.11,000	105

Distributions

Symmetric



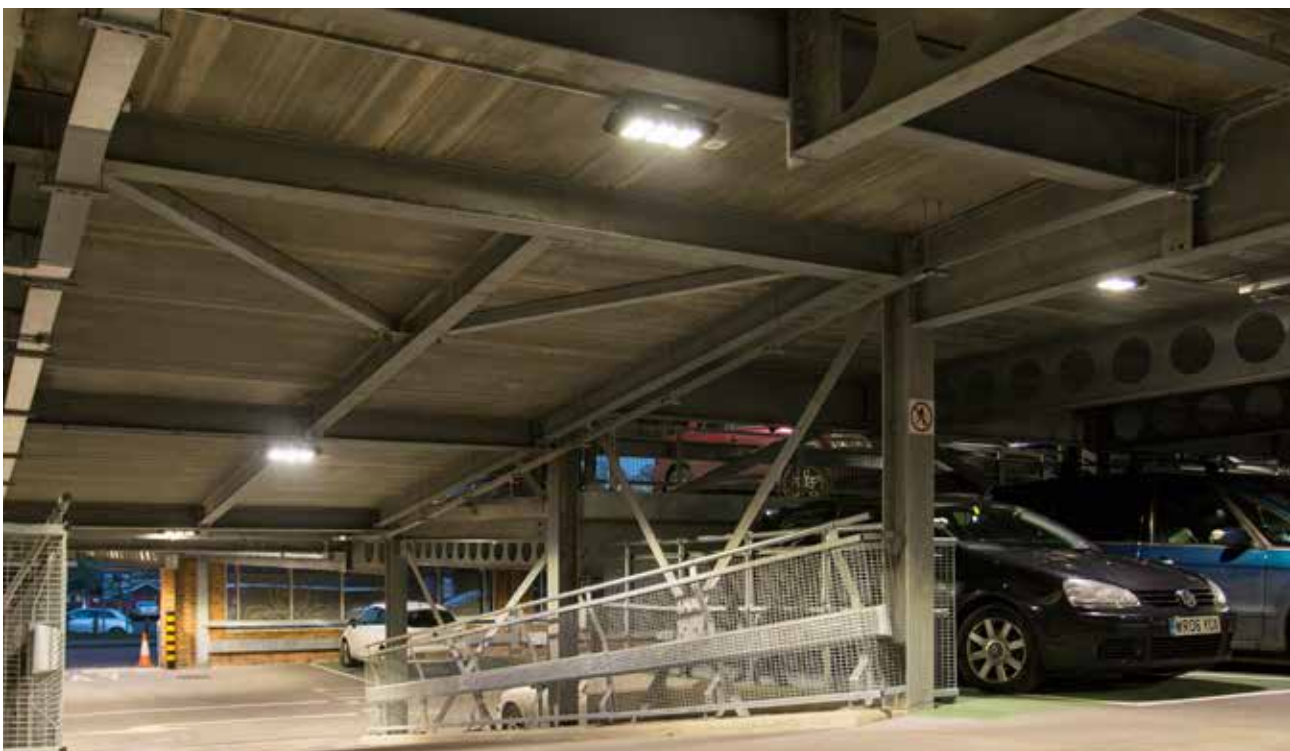
Dimensions Millimetres



D-SERIES PARKING GARAGE



Attached PIR (PIRA)



Energy efficiency, high quality lighting and controllability are all combined in the D-Series LED Parking Garage. The D-Series Parking Garage features advanced LED optics specifically designed for applications such as parking decks with low mounting heights to provide light distribution and effective security light levels.



Applications

- Multi-storey car parks

Features and benefits

- Can be surface or flush mounted.
- Three precision-engineered optics created specifically for the parking garage application that deliver light exactly where it is needed.
- Available with 3 Hour integrated emergency.



Up to 8,000lm



Up to 125 lm/W luminaire



Colour Temperature
4000K - 70CRI



7kg



Ta
-20°C to +40°C



140,000 hour life
L70B50

Typical luminaire performance

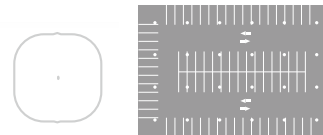
Configuration	Delivered Lumens	Power Consumption
DPG.LA064	c.5,700	46W
DPG.LA074	c.6,600	53W
DPG.LA084	c.8,300	67W

Distributions

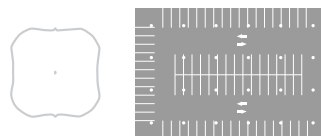
Square Narrow (SQN)



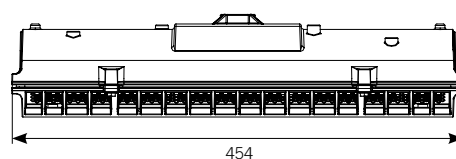
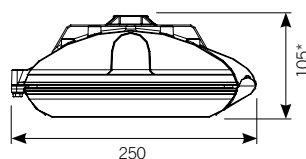
Square Medium (SQM)



Square Wide (SQW)



Dimensions Millimetres



METROLUX™



 **prismaled™**



Metrolux™ has been specifically designed for use in underground rail tunnel systems, employing a prismatic glass refractor to control light output and a die-cast aluminium front frame and body for the durability required for tunnels and a multitude of industrial applications.



Applications

- Rail tunnels
- Industrial tunnels
- Security lighting
- Gantries
- Boiler houses
- Conveyor tunnels
- Local industrial lighting

Features and benefits

- Prismatic Optics - controlled light output. Available with shallow or deep glass.
- Stainless steel quick release door latches for tool free maintenance.
- Rugged die-cast aluminium construction ideal for rugged environments.



Up to 3,000lm



Up to 122 lm/W
luminaire



Colour Temperature
4000K - 70CRI
4000K - 80CRI



Up to 5.5kg



Ta
0°C to +50°C



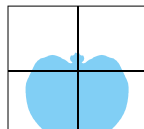
80,000 hour life
L70B50

Typical luminaire performance

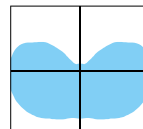
Configuration	Delivered Lumens	Power Consumption
MTX.LA0147	c.1,000	14W
MTX.LA0247	c.2,000	26W
MTX.LM0147	c.1,000	10W
MTX.LM0347	c.3,000	26W

Distributions

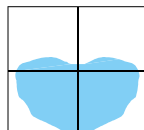
Asymmetric Tunnel Wide



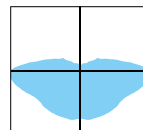
Side Emitting Wide



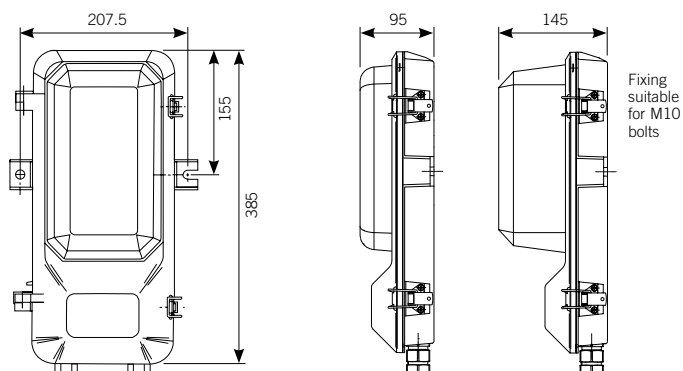
Asymmetric Tunnel Narrow



Side-Emitting Down



Dimensions Millimetres



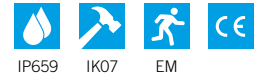
PARKPACK®



 **prismaled™**



For rugged, vandal resistant security lighting, inside or out, Parkpack® cannot be beaten. By improving uniformity of illuminance, Parkpack® transforms previously dark and foreboding car parks and walkways, removing shadowy areas, deterring crime and vandalism.



Applications

- Multi-storey car parks
- Open car parks
- Precincts
- Amenity areas
- Walkways
- Residential areas
- Roads

Features and benefits

- Multiple Mounting Options: Wall, Ceiling and recessed.
- Prismatic Polycarbonate refractor for controlled light output and vandal resistant.
- Available with through-wiring & photocell option.



Up to 4,000lm



Up to 83 lm/W luminaire



Colour Temperature
4000K - 70CRI



Up to 8.5kg



Ta
-20°C to +20°C



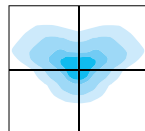
55,000 hour life at L70B50

Typical luminaire performance

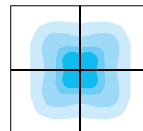
Configuration	Delivered Lumens	Power Consumption
PRK.L044	c.3,000	45W

Distributions

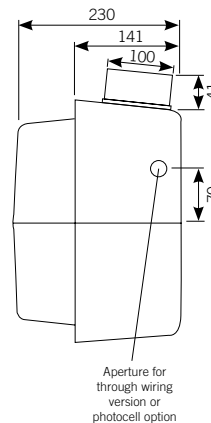
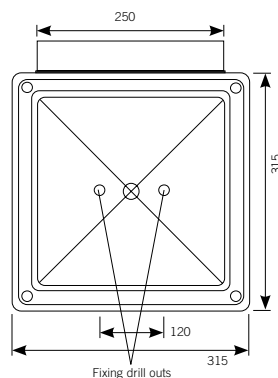
Asymmetric



Square



Dimensions Millimetres



ATLANTA™



Semi-recessed option .DT



Atlanta™ combines form and function for lighting covered car parks and an array of other applications. The unique circular low profile housing and slender body contours provide an elegant solution for low to medium mounting height applications.



Controls system available

HOLOSWired

Applications

- Multi-storey car parks
- Canopies
- Covered walkways
- Loading bays
- Passage lighting
- Processing areas
- Mezzanines

Features and benefits

- High quality construction - durable and vandal resistant.
- Available with 1 or 3 hour maintained emergency option.
- Can be semi-recessed.



3,000lm



Up to 66 lm/W
luminaire



**Colour
Temperature**
4000K - 80CRI



5kg



Ta
-20°C to +35°C



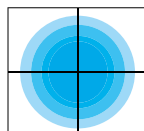
50,000 hour life
L70B50

Typical luminaire performance

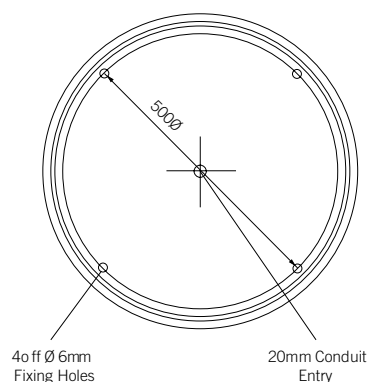
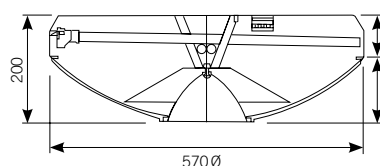
Configuration	Delivered Lumens	Power Consumption
.ATL.L034	c.3,000	56W

Distributions

Symmetric



Dimensions Millimetres





CONNECTED SOLUTIONS

INTERIOR



SIF
Haloprism / HOLOS Air



MAXIMISE ENERGY SAVING

Suitable for:

- ▶ Large installations
- ▶ New lighting projects
- ▶ Where wired control is preferred

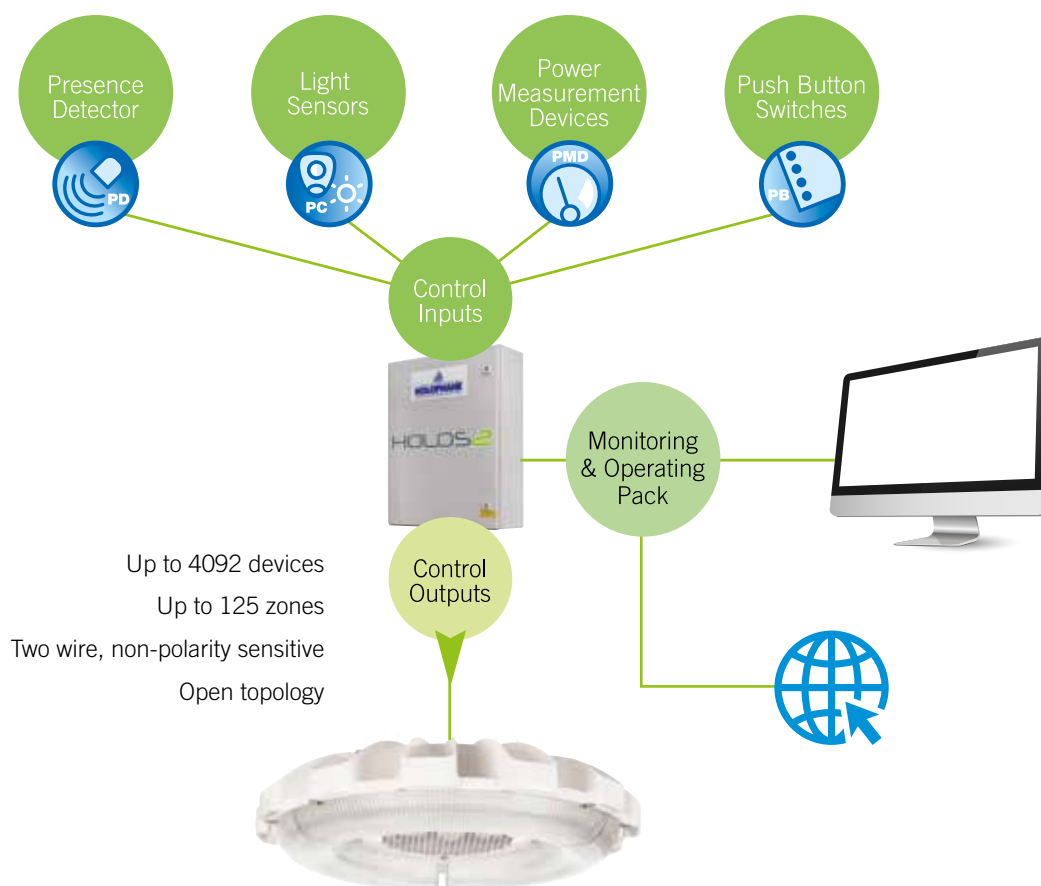
Compatible with:

Any Holophane luminaire
with DALI compatibility

Holophane's Optimised Lighting Operating System enables you to deliver the full potential of your lighting installation. It builds on our years of experience with our original HOLOS system and integrates the latest energy saving technologies.

The most efficient LED light sources in the world will not give maximum savings unless it is controlled. HOLOS Wired gives the end user the power to control any type of lighting to its maximum potential. Combined with our highly efficient range of interior luminaires these combine to give our system unbeatable total cost of ownership.

HOLOS Wired has been designed from the ground up to be able to interface with any type of controllable lighting. Although we recommend our range of luminaires, if you already have DALI compatible fittings, we can integrate seamlessly with them. Lowest cost of ownership also extends to the installing contractor. HOLOS Wired is designed to be a simple 'plug and play' system keeping installation costs and time to a minimum.





SELF-POWERED WIRELESS CONTROL FOR SUSTAINABLE BUILDINGS

Suitable for:

- ▶ Small installations (1-50 fittings)
- ▶ Existing installations
- ▶ Installations where infrastructure change is difficult or not possible
- ▶ Simple luminaire control without reporting

Compatible with:

Any Holophane luminaire with DALI compatibility

Holos Air Lite is a simple, scalable and secure lighting control solution.

HOLOS Air Lite is based on the EnOcean technology standard that provides self-powered wireless sensors and switches and is an ideal solution for sustainable building applications. Powered by motion, light or heat, no cables or batteries are required for switching or presence detection.

Self-powered wireless sensor networks save resources, materials, time and energy, by using fewer cables, reduce the installation timescale and eliminates the need for batteries. Copper cables are expensive to buy and install, removing the need to pull dedicated control cables significantly reduces costs. No cables, no difficult terminations, saves installation time. Battery-powered devices can be costly as batteries need to be regularly replaced, can harm the environment and must be disposed of properly. Self-powered wireless sensors and actuators in the HOLOS Air Lite solution can directly communicate with each other such that the system does not require a controller/gateway or any network or internet connectivity to the cloud for the system to be fully functional.

System Elements



Node



Switch



Sensor

Benefits of using HolosAirLite

High Reliability

License Free frequency band
Radio Range 30m

Interoperability

Standard sensor profiles
Interoperable across products

Low energy requirement

Self powered switches
High transmit rate for fast
response

Architects

- Maintenance-free, interoperable wireless sensors
- Freely positionable products which can be placed on glass, stone, wood or fixtures as required
- Flexible space configuration

Specifiers

- Simple planning and high flexibility through freely positionable devices
- Interoperable other enOcean based products
- Compatibility with other building automation systems (KNX, LON, BACnet, TCP/IP)

Property Owners

- Reduced cost of installation and operation
- Flexible space planning and easy restructuring
- Less downtime during renovation
- High energy savings
- Interoperable and scalable standard based solution

Facility Managers

- no maintenance needed
- Optimised servicing
- Effective manpower use
- Increased safety levels
- Faster reaction to system faults
- Compatible with common lighting control solutions (e.g. DALI)
- Interoperable and scalable standard based solution

System integrators / Contractors

- Speedy, flexible low-cost installation
- system start-up without downtime
- No cabling, no drilling, no noise/dust/dirt
- Simple retrofit installation

Facility users

- Enhanced comfort
- Correct level of lighting on demand
- Reliable, repeatable lighting control

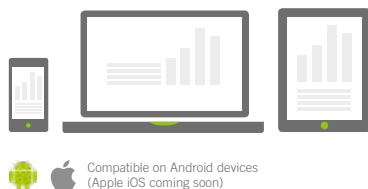
THE FUTURE OF LIGHTING CONTROL

Suitable for:

- ▶ Small to large installations
- ▶ Existing and new installations
- ▶ For maximum control of luminaires, including scheduling and grouping
- ▶ Access to complex luminaire reporting and statistics
- ▶ Emergency testing

Compatible with:

Any Holophane luminaire with DALI compatibility



Compatible on Android devices
(Apple iOS coming soon)

HOLOS Air can create logical groups of luminaires to be controlled together, or control groups where luminaires can be linked to switches or sensors.

Their assigned schedules can be as simple or sophisticated as you like – on, off or different levels following customised time schedules. As building usage alters, these can easily be re-assigned at any time by the operator.

Dashboard

HOLOS Air, powered by Luxon, puts lighting control at your fingertips with its intuitive user dashboard. The dashboard gives an overview of the system, showing key data and allowing quick and easy visualisation of the system's status. It can be displayed prominently on TV screens and is potentially a valuable tool in highlighting energy use behaviours. Personal control can be allowed with different users having access to different features within the system.

Live

Live is the starting point of all HOLOS Air installations. It contains all the main features to implement combined control strategies and provides you with an online platform to manage the extensive network of luminaires, sensors and controllers. It allows for light management of both single or multiple sites and is accessible from everywhere in the world. Conditions change over time with the shifting needs of its users. To maximize energy savings will need to be adjusted accordingly over time. The system is intuitive and easy to work with, so the time spent on keeping your system running smoothly is kept to a minimum.

Maintenance

Luminaires and controls components in a smart lighting system need to be reconfigured, cleaned, recalibrated or replaced over time. The HOLOS Air Maintenance Assist helps you to plan your maintenance activities, sends error notifications when a component is malfunctioning and provides you with maintenance reports. No time is wasted on identifying failures; system reports notify the appropriate personnel and action lists can be implemented.

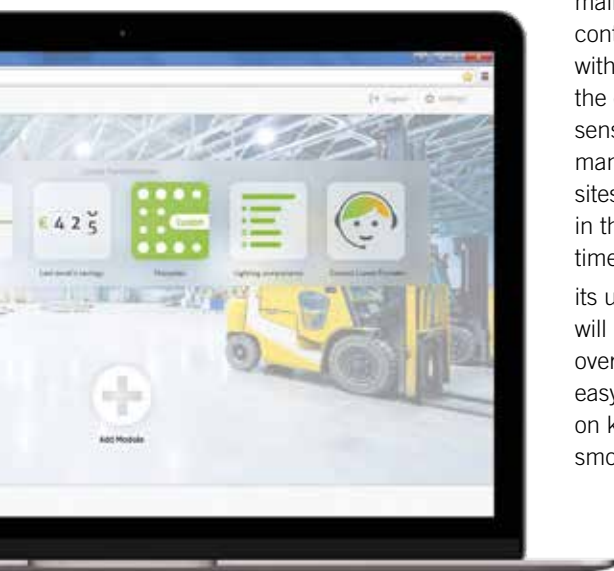
This software tool assures your lighting installation is operating to the highest standards and as efficient as possible.

Energy Analytics

Energy Analytics offers proof of performance of your lighting system, gives you the tools to analyse your energy data and identify possibilities for further optimisations and makes your energy costs predictable.

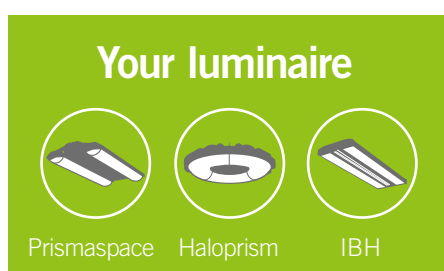
By analyzing patterns in the lighting energy data sudden anomalies in energy consumption are identified, diagnosed and resolved if necessary. A spike for example can be caused by the misuse of an override switch or a sensor which requires recalibration. A drop can be caused by low stock levels in a specific area of a warehouse which could mean light levels could be reduced even further.

With the insights provided by Energy Analytics optimal performance is achieved and cost savings can be maximised.



Step 1: Connect your luminaires with HOLOS Air

Enable your luminaires by easily connecting or integrating the wireless remote node (1-10V or DALI). This means that they will be wirelessly addressable, controllable and connected to the internet.



Individual Remote Node
(H3D.IRN.ANF or H3D.IRN.LRD)



Central Control Cabinet
(H3D.CCC)

Step 2: Add intelligence

A HOLOS Air Central Control Cabinet will be installed at your customer's site. This is the brain of our system, which contains the light management application software.

Step 3: Maximize energy savings

Combine control strategies and add sensors and switches to make optimum use of daylight, motion sensing and pre-set time schedules. This will make LED lighting even more cost-effective. Result: significant savings for your customers.



Wireless Daylight/Presence
Sensor
(H3D.SENSOR)



Cloud



App



Software



Step 4: Future-ready

The internet connection ensures a lighting system that is easy to access and to maintain. Historical system data allows for easy analysis and benchmarking for further optimization and pro-active maintenance purposes. Result: a truly sustainable lighting system.

INTERIOR



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E-mail: info@holophane.co.uk

www.holophane.co.uk

AcuityBrands.
Expanding the boundaries of lighting™

