EXTERIOR LIGHTING
CONTROLS

HOLOPHANE®

MADE IN BRITAIN

AN ENVIABLE REPUTATION
THROUGHOUT THE WORLD

When Holophane was founded in 1896 in London, headed by Pelham Trotter, it marked the start of an incredible history that has now seen Holophane become a global business revered throughout the world for its expertise, quality, innovation and excellence in lighting.

Holophane's first product was the famous patented globe in 'white' or 'rose crystal' that sold for around 2 shillings (10p). Today, Holophane continues this proud tradition with our values deeply rooted in the dedication to creating luminaires, with exceptional lighting performance, innovative patented technologies, and delivering added customer value beyond illumination.

125 years of Innovation & Excellence

WHAT DOES IT MEAN
FOR OUR CUSTOMERS?

A Trusted & Reliable UK Manufacturer

From Royalty all the way to small residential projects, Holophane has been a trusted manufacturer over the decades for all manner of projects. You can be sure you are in good hands and can rely on the collective knowledge and expertise we have gathered since our inception in 1896.

Development of Innovative Products

As part of our design philosophy, Holophane are always trying to push boundaries in the development of unique product innovations. As such many of our luminaires hold UK and International design patents.

Products That Deliver Added Value

In today's world, sustainability and added value are becoming increasingly important. As such our products and solutions go further than just lighting. Many of our innovations include integrated smart connected solutions to help customers achieve further energy savings and can also enable remote monitoring.

Delivering excellent customer service

Over our 125-year history we have always been committed to delivering the best service to our customers and supporting in a myriad of ways to ensure the best possible outcomes. This goes as far as offering a free lighting design service to one-off products/solutions to meet customers unique needs.

THE BENEFITS OF
CONTROLLED LIGHTING

Tiered Solution

A truly tiered solution, with flexibility to suit any project needs and requirements.

Energy Saving

Even the simplest PIRs can enable a light scheme to save on energy consumption.

Easily Programmed

PIRs are easily programmed via a Remote Programmer or via Holophane's commissioning service.

Scalable

Depending on the solution used, luminaires have the flexibility to adapt to changing environments.

Cloud based

Holophane's Controlux Air cloud-based solution offers customers maximum functionality and enhanced control of luminaires.
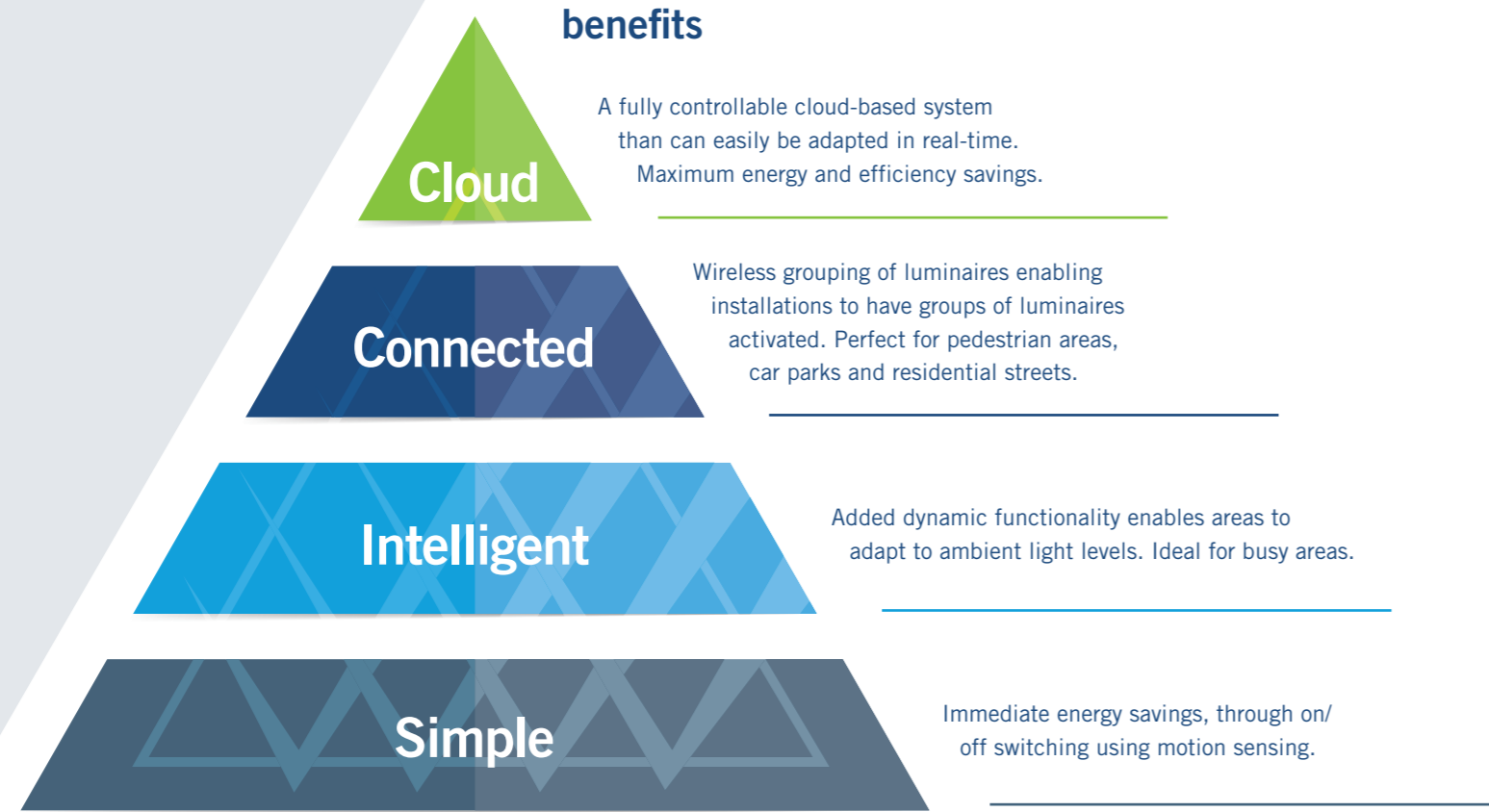
Made in Britain

All of Holophane controls solutions are integrated and manufactured in the UK, ensuring compatibility and reliability with our award-winning range of luminaires.

MADE IN BRITAIN®

EXTERIOR
CONTROLS

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.
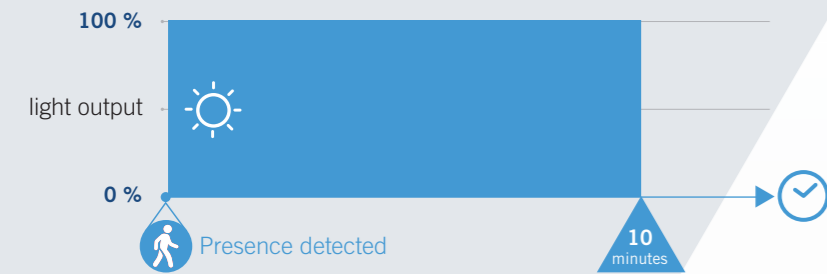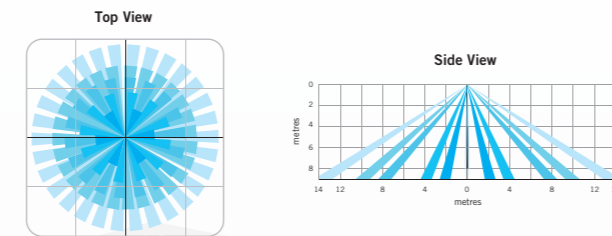
benefits

Cloud
A fully controllable cloud-based system than can easily be adapted in real-time. Maximum energy and efficiency savings.

Connected
Wireless grouping of luminaires enabling installations to have groups of luminaires activated. Perfect for pedestrian areas, car parks and residential streets.

Intelligent
Added dynamic functionality enables areas to adapt to ambient light levels. Ideal for busy areas.

Simple
Immediate energy savings, through on/off switching using motion sensing.

EXTERIOR LIGHTING
CONTROLS

		What is the functionality?	Mounting Height	Can it be programmed?	Can it be upgraded?
Cloud	We call this control solution Controlux Air. Holophane's cloud-based system with added digital functionality and enhanced control of luminaires	• On/off & dynamic dimming • Wireless grouping of multiple luminaires • Daylight sensing • Web based cloud control and analytics • Failure reporting	Up to 12m*	Yes, Via the Holophane Commissioning service only Note: Requires a Controlux Air gateway	Yes – scalable
Connected	All the same features as the intelligent PIR but with added luminaire grouping functionality	• On/off & dynamic dimming • Wireless grouping of multiple luminaires	Up to 12m*	Yes via remote IR programmer or via the Holophane Commissioning service	No
Intelligent	An intelligent PIR with added dynamic dimming	• On/off & dynamic dimming	Up to 12m*	Yes via remote IR programmer or via the Holophane Commissioning service	No
Simple	A simple on/off PIR	• On/off control	Up to 12m*	Yes via remote IR programmer or via the Holophane Commissioning service	No

*Dependant on solution specified

HOW IT WORKS:
SIMPLE

Detection Zone Aspect Ratio: Simple & Intelligent

Remote Programmer

HOW IT WORKS:
INTELLIGENT

100 %

light output

0 %

Presence detected

10 minutes

Top View

Side View

Mounting Height	m	4.5	6.0	8.0	9.0
Max. Coverage Ø	m	13.5	18.0	24.0	27.0

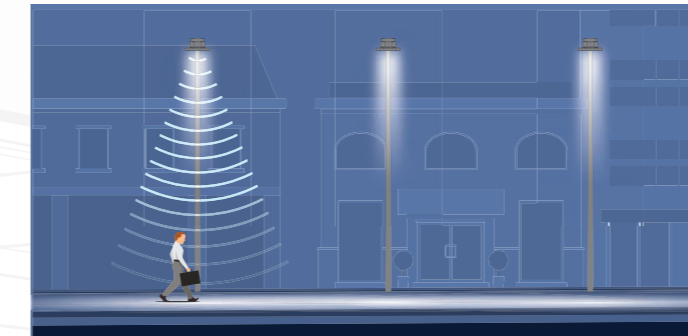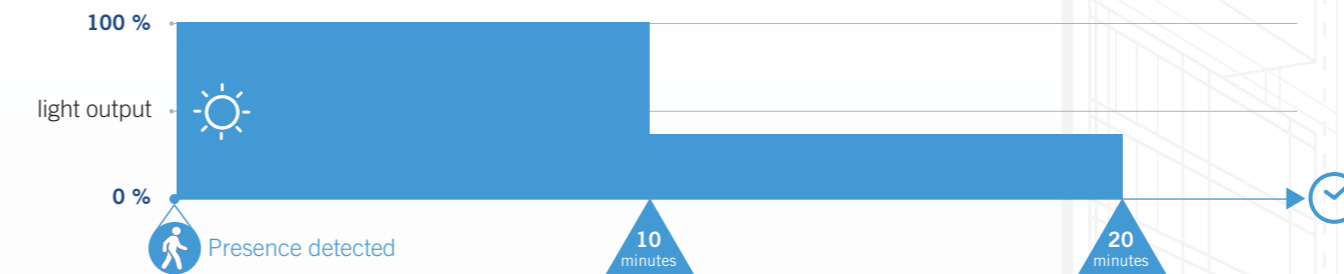The Remote Programmer (HEL.PRG) can be used to re-program the default settings of individual PIR sensors. This device can program PIRs from up to 10m away.

100 %

light output

0 %

Presence detected

10 minutes

20 minutes

Default settings

- Switches to 100% when presence is detected.
- Switches off to 0% after 10 minutes of inactivity.**

Note: Default settings can be changed using the Remote Programmer (HEL.PRG) available from Holophane or via Holophane's commissioning service.*

*The Simple PIR settings on a Parkpack luminaire cannot be changed via a remote programmer. These must be set at factory. Please consult your Holophane representative for more information.

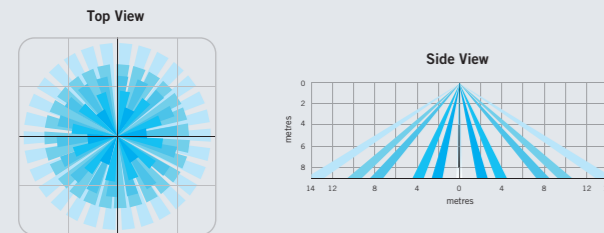** PLO on Parkpack switches off after 20 minutes by default.

Default settings

- Switches to 100% when presence is detected.
- Dims to 30% after 10 minutes of inactivity.
- Switches off to 0% after a further 10 minutes of inactivity.

Note: Default settings can be changed using the Remote Programmer (HEL.PRG) available from Holophane or via Holophane's commissioning service.
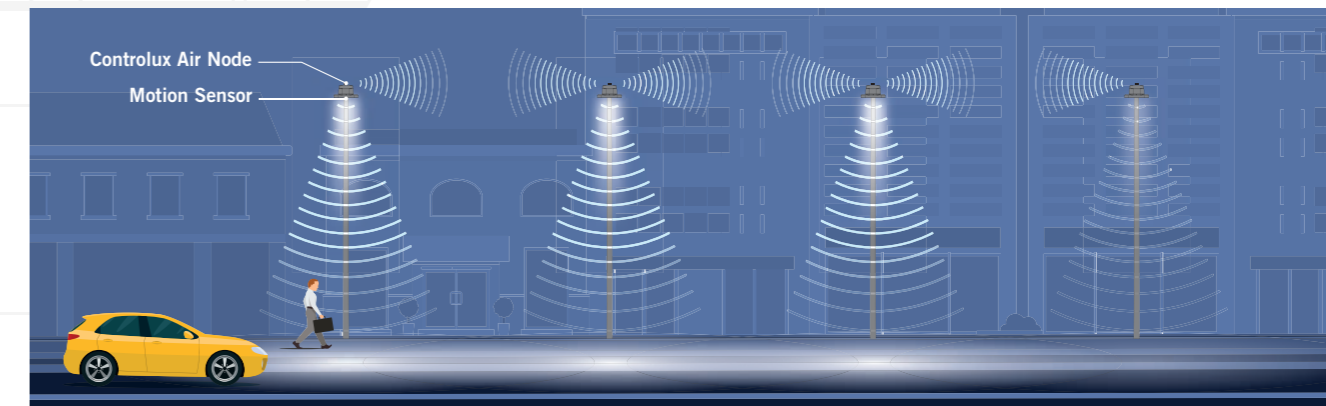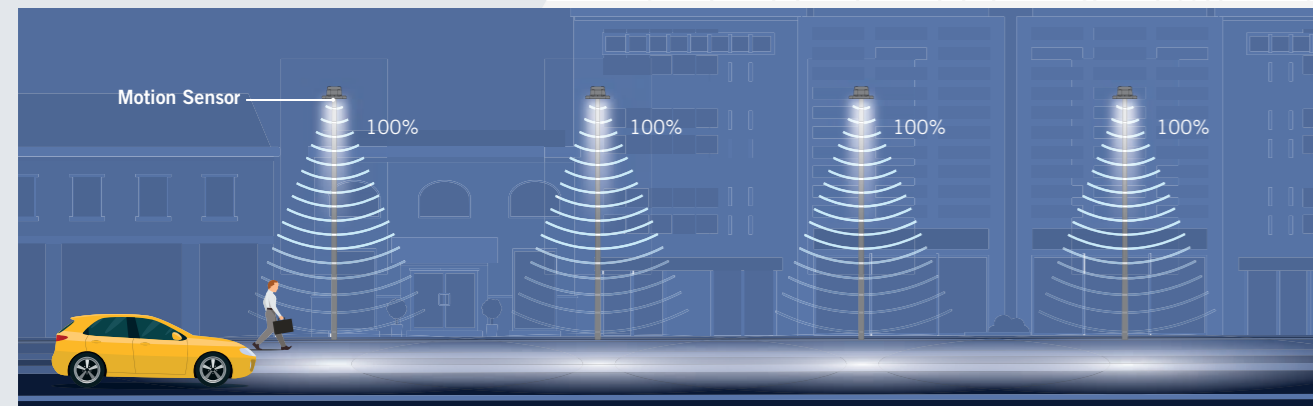
HOW IT WORKS:
CONNECTED

Detection Zone Aspect Ratio: Connected

Top View

Side View

Mounting Height	m	4.5	6.0	8.0	9.0
Max. Coverage Ø	m	13.5	18.0	24.0	27.0

Default settings

• Switches to 100% when presence is detected.

• Dims to 30% after 10 minutes of inactivity.

• Switches off to 0% after a further 10 minutes of inactivity.

Wirelessly Grouped Luminaires

Luminaires can be grouped as needed depending on project requirements. When a luminaire detects presence all luminaires in the group will be switched to a predefined output.

Note: Default settings can be changed using the Remote Programmer (HEL. PRG.G) available from Holophane or via Holophane's commissioning service.

Motion Sensor · 100% 100% 100% 100%

HOW IT WORKS:
CLOUD

Take control

Controlux Air is a cloud-based, wireless control, monitoring and management system for lighting. It gives users the freedom to configure and completely control their own lighting to maximise energy savings and reduce carbon emissions.

Controlux Air enables lighting installations to be altered at the touch of a button to meet a site's changing needs.

Controlux Air enables a variety of control strategies to be employed, for example:

• Daylight harvesting.
• Occupancy sensing.
• Time scheduling.
• Scene setting.
• Failure reporting.

CONTROLUX air

Controlux Air Node
Motion Sensor

Sensor + Wireless Mesh Network

Gateway

User Interface

For more detailed information on Controlux Air please contact your Holophane representative or visit: www.holophane.co.uk

HOLOPHANE LUMINAIRE COMPATIBILITY

A luminaire and control solution for any exterior project.

The Holophane controls solution has been tested for compatibility and seamlessly integrated into Holophane's core range on exterior luminaires.

The core range enables you to have the flexibility to choose the best luminaire and couple it with the right control solution. Catering for a range of needs and requirements of exterior projects.

Full range of compatible luminaires:

- **Denver™ iD: Family**
- **D-Series**
- **Wallpack™**
- **CityMax**
- **CityMax Large**
- **V-Max™**
- **HMAO**

DENVER™ iD

The Denver™ iD range was designed to have a cohesive family aesthetic to give consistency across a project and achieve a luminaire identity. From the commonality of the LED modules to the sleek and simple lines, Denver™ iD gives your outdoor space its own identity.

Applications

- Amenity Areas
- Town Squares
- Campuses
- Retail Parks
- Car Parks
- Landscaped Areas

For detailed product specifications please scan the QR codes above.

Up to 36,000lm	Up to 135 lm/W luminaire	**Colour Temperature** 4000K - 70CRI	DSX1 12.2kg DSX2 15.0kg including gear	**Windage** DSX1: 0.07m² DSX2: 0.10m²	**Ta** -40°C – +45°C	**ULOR** 0,00%	100,000 hour life L70B50

D-SERIES

DSX0

DSX1

DSX2

D-Series' modern styling makes a bold, progressive statement as it blends seamlessly with its environment. Taking all the benefits of LED technology and creating a high performance, high efficacy and long life area lighting luminaire.

Applications

- Landscaped areas
- Car parks
- Amenity areas
- Town squares
- Retail parks
- Entrance roads
- Parks

WALLPACK™

The new WALLPACK™ combines high performance LEDs and optical versatility in a robust, aesthetic design. Designed for mounting heights up to 5m, WALLPACK™ offers a wall-mounted solution with 0% up-light to fit the needs of harsh environments and applications.

Applications

- Heavy Industry
- Frontages
- Building perimeters
- Loading bays
- Walkways
- Passage ways
- Gateways

Up to 9,000lm	Up to 135 lm/W luminaire	**Colour Temperature** 4000K - 70CRI 3000K - 70CRI	Up to 10kg* including gear *Dependant on lumen version	**Ta** -25°C – +40°C	100,000 hour life L70B50

HOW TO SPECIFY
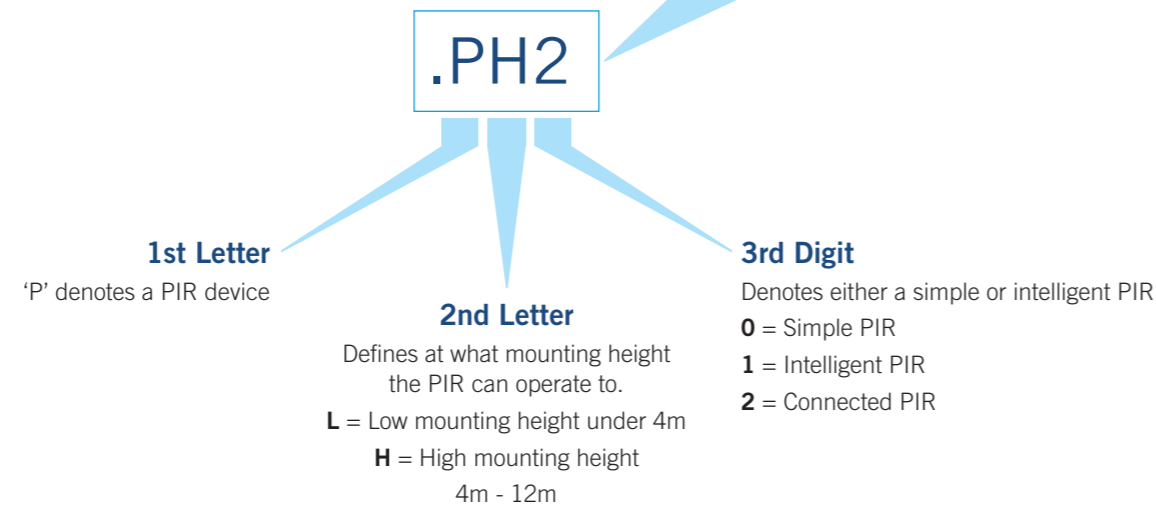## SIMPLE, INTELLIGENT OR CONNECTED PIR

The Holophane **Simple, Intelligent** and **Connected** PIRs use a specific coding structure. Please consult the information to the right to enable easy specification of our controls.

These PIRs have fixed functionality and are not upgradable to achieve **Cloud** functionality.

Example Luminaire Code

DPL.1.LA064.AY.C9.W048.TZ02.PH2

.PH2

1st Letter
'P' denotes a PIR device

2nd Letter
Defines at what mounting height the PIR can operate to.
L = Low mounting height under 4m
H = High mounting height
4m - 12m

3rd Digit
Denotes either a simple or intelligent PIR
0 = Simple PIR
1 = Intelligent PIR
2 = Connected PIR

HOW TO SPECIFY
A CLOUD SYSTEM

The Holophane **Cloud** system use a specific coding structure. Please consult the information to the right to enable easy specification of our controls.

.CA - Luminaire comes complete with Controlux Air node to connect to the Controlux Air System (requires .TZ01 or .TZ03).

.CAP includes both a Controlux Air Node and a PIR for presence detection. (requires .TZ03)

Controlux Air Gateway
The gateway is required to connect and gather data from any luminaire with a Controlux Air node. This enables cloud based control and reporting. One gateway can communicate with up to 200 luminaires.

Note: Includes 2-year prepaid cloud subscription.

Example Luminaire Code

DPL.1.LA064.AY.C9.W048.TZ03.CA

.CA   OR   **.CAP**   **+**

+

CTA.GATE
As an accessory

EXTERIOR LIGHTING
CONTROLS

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FOR ENTERPRISE:
INNOVATION
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