







Industrial Luminaires

Product Portfolio

High Bays

	Phuzion™ PHG	Phuzion™ PHS	Phuzion™ PHZ	Phuzion™ PHZL	Phuzion™ PHV
Applications	 Warehouse, General High Bay, Manufacturing, Gymnasium, Retail	 Warehouse, Gymnasium, Retail, Commercial, Convention Center, Large Open Spaces	 Heavy Industrial, Steel Mill, Foundry, Manufacturing, Warehouse, Large Open Spaces	 Heavy Industrial, Steel Mill, Foundry, Power Generation, Manufacturing, Warehouse, Large Open Spaces	 Warehouse, Airplane Hangar, Food Processing, Retail, Powerplant, Transportation, Tunnels, Manufacturing
Lumens	9,000L - 3,0000L	12,000L - 45,000L	12,000L - 60,000L	50,000L - 100,000L	12,000L - 60,000L
LPW	Up to 145 LPW	Up to 150 LPW	Up to 160 LPW	Up to 154 LPW	Up to 175 LPW
Temperature Rating	Up to 55C	Up to 60C	Up to 70C	Up to 65C	Up to 65C
DLC*	Premium	Premium	Premium	Premium	Premium
Optics	Prismatic Glass/Acrylic	Prismatic Glass/Acrylic	Prismatic Glass/Acrylic/ Focus Smooth	Prismatic Glass/Acrylic	t Glass/Flat Acrylic/Flat Glass-Acrylic Overlay/Flat Textured Acrylic
Distributions	Narrow, Medium, Wide	Narrow, Wide, Uplight Modules	Narrow, Medium, Wide, Focus	Narrow, Medium, Wide, Focus	Narrow, Medium, Wide, Uplight Modules
Uplight	Up to 12%	Up to 14% (Adjustable)	N/A	N/A	Up to 1,838 lumens
Mounting	Pendant, Hook	Pendant, Hook, Remote	Pendant, Hook, Remote, Crane	Pendant, Hook, Remote	Pendant, Surface (Ceiling), Suspended, Quick Disconnect
Surge Protection	6kV (MVOLT) / 10kV (HVOLT)	6kV (MVOLT) / 10kV (HVOLT)	10kV	10kV	10kV
Listing & Rating	IP65 Optics	Damp Location	IP65 Optics, IP64 Complete Fixture	IP66	Wet Location, IP65, IP66, NSF Splash Zone 2, NEMA 4X
Controls	Bluetooth® Programmable Sensor nLight® AIR	nLight® AIR	Bluetooth Programmable Sensor nLight® AIR	Bluetooth Programmable Sensor nLight® AIR	Bluetooth Programmable Sensor nLight® Air

Low Bays and Strips

	Bantam LED	HZL1	HRTC
Applications	 Low Bay, Commercial, Parking Garages, Manufacturing, Retail, Warehouse	 Commercial, Office, Manufacturing, Retail, Warehouse, Display	 Manufacturing, Retail, Commercial, Office, Warehouse, Display
Lumens	5,000L - 8,000L	1,500L - 14,000L	5,000L - 16,000L
LPW	Up to 143 LPW	Up to 135 LPW	Up to 177 LPW
Temperature Rating	Up to 25C	Up to 30C	Up to 55C
DLC*	Premium	Premium	Premium
Optics	Prismatic Glass	Flat or Round Acrylic	Round Acrylic
Distributions	Medium, Wide, Long & Narrow, Symmetric	General	General
Uplight	Up to 23%	Up to 11%	Up to 6%
Mounting	Stanchion, Ceiling, Pendant, Wall	Surface, Suspended, Stem, Pendant	Surface, Suspended
Surge Protection	10kV	2.5kV	2.5kV
Listing & Rating	Wet Locations, IP65	Damp Location	Damp Location
Controls	N/A	LSXR Sensor nLight® AIR	LSXR Sensor nLight® AIR

HLD™ with Care222® Technology



What is Care222® Technology

- + A filtered 222nm far-UVC light disinfection technology
- + Capable of reducing pathogenic bioburden in a space while people are present
- + Targets the air and surface for pathogen control
- + Delivers a predetermined dose for a few minutes every hour in a space
- + Recommended applications include classrooms, commercial office space, healthcare common areas and more
- + No field commissioning needed



Mounting Options

- + Pendant
- + Cable
- + Surface



Occupants can be Present



Reduction of Pathogenic Bioburden










Continual Treatment









*All references to "disinfection" are referring generally to bioburden reduction and are not intended to refer to any specific definition of the term as may be used for other purposes by the U.S. Food and Drug Administration or the U.S. Environmental Protection Agency. Bioburden reduction of is a function of fixture run time and the distance to the UV light source, airflow, room size, shadow areas and/or other factors, and the level of reduction will vary within a specific space. This fixture is not intended for use in the cure, mitigation or prevention of disease and is not certified or approved for use as a medical device by the FDA. It is the obligation of the end-user to consult with appropriately qualified Professional Engineer(s), a Certified Infection Control professional and a Certified Industrial Hygienist, as applicable, to determine whether this fixture meets the applicable requirements for system performance, code compliance, safety (including safety and hazard alerting signs), suitability and effectiveness for use in a particular application design. In no event will Acuity Brands Lighting be responsible for any loss resulting from any use of this fixture in an application design.

**Refer to product specification sheets at acuitybrands.com/UV-Products for efficacy claims and claim substantiation regarding specific products and pathogens.

Demanding Environments

	Petrolux® PXLW / PXLW Adapter Ring	Petrolux® PXHW	Vantage®	EMS	EVT4	EMW	EMX
Applications							
	Heavy Industrial, Petroleum Refinery, Chemical Plant, Power Plant, Textile Mills, Waste-Water, Mining	Heavy Industrial, Petroleum Refinery, Chemical Plant, Power Plant, Textile Mills, Waste-Water, Mining	Food Processing, Cold Storage, Wet Locations, High Pressure Hosedown	Wet Locations, Parking Garages, Food Processing, Under Canopy	Wet Locations, Parking Garages, Food Processing, Under Canopy	Wet Locations, Garden Centers, Food Processing, Under Canopy	Heavy Industrial, Chemical Facilities, Diesel Tunnels, Steel Mills, Shipping Ports, Food Processing, Wet Locations
Lumens	3,000L - 10,000L	12,000L - 28,000L	12,000L - 32,000L	2,000L - 24,000L	4,000L - 15,000L	9,000L - 40,000L	3,000L - 28,000L
LPW	Up To 148 LPW	Up To 145 LPW	Up To 147 LPW	Up To 173 LPW	Up To 129 LPW	Up To 177 LPW	Up To 159 LPW
Temperature Rating	Up To 65C	Up To 65C	Up To 55C	Up To 50C	Up To 40C	Up To 55C	Up To 70C
DLC*	Premium, Standard	Premium, Standard	Premium, Standard	Premium, Standard	Premium, Standard	Premium, Standard	Premium, Standard, Parking Garage
Optics	Prismatic Glass, Ultra Durable Silicone (Non-Glass)	Prismatic Glass, Ultra Durable Silicone (Non-Glass)	Prismatic Acrylic or Polycarbonate	Acrylic or Polycarbonate	Polycarbonate	Acrylic or Polycarbonate	Glass and Polycarbonate, Clear and Frosted
Distributions	Narrow, Medium, Wide, Forward Throw, Long & Narrow	Narrow, Medium, Wide, Forward Throw, Long & Narrow	Medium, Wide	Medium, Wide	Medium	Narrow, Medium	Medium, Wide, Parking Garage
Uplight	Up To 10%	Up To 10%	Up To 7%	Up To 2%	Up To 6%	Up To 3%	N/A
Mounting	Universal, Pendant, Wall, Ceiling, Hook, Stanchion	Universal, Pendant, Wall, Ceiling, Hook, Stanchion	Pendant, Hook	Surface/Ceiling, Suspended, Wall, Angle, Pendant	Surface/Ceiling, Suspended	Surface/Ceiling, Suspended, Pendant	Pole, Suspended, Surface/Ceiling, Wall, Angle, Pendant
Surge Protection	10kV	10kV	10kV (20kV Optional)	6kV (10kV Optional)	6kV (10kV Optional)	6kV (10kV Optional)	10kV (20kV Optional)
Listings & Ratings	UL1598, NSF2, Marine Outside, NEMA 4X IP65, IP66, IP67	UL1598, NSF2, Marine Outside, NEMA 4X IP65, IP66, IP67	UL1598, NSF2, IP65, IP66, IP67, IP69K Hazardous: C2D2	Wet Location, NSF2 IP65, IP66, IP67	Wet Location, NSF2 IP65	Wet Location, NSF2, NEMA 4X IP65, IP66, IP67, IP69K	Wet Location, Marine, NSF2, NEMA 4X IP65, IP66, IP67, IP69K
Controls	Bluetooth® Programmable Sensor	Bluetooth® Programmable Sensor nLight® AIR	Bluetooth® Programmable Sensor nLight® AIR	Wet Location Sensor nLight® AIR	Wet Location Sensor nLight® AIR	Wet Location Sensor nLight® AIR	Wet Location Sensor nLight® AIR

Hazardous Locations

	Petrolux® PXLH	Petrolux® PXHH	Petrolux® HPLED	EMXH	HRL	HXPL	HPFM/HPFL	HW4G
Applications	 Heavy Industrial, Petroleum Refinery, Chemical Plant, Power Plant, Textile Mills, Waste-Water, Mining, Classified Hazardous Locations	 Heavy Industrial, Petroleum Refinery, Chemical Plant, Power Plant, Textile Mills, Waste-Water, Mining, Classified Hazardous Locations	 Heavy Industrial, Petroleum Refinery, Chemical Plant, Power Plant, Textile Mills, Waste-Water, Mining, Classified Hazardous Locations	 Heavy Industrial, Petroleum Refinery, Chemical Plant, Power Plant, Textile Mills, Waste-Water, Mining, Classified Hazardous Locations	 Classified Hazardous Locations	 Classified Hazardous Locations	 Classified Hazardous Locations	 Classified Hazardous Locations
Lumens	3,000L - 10,000L	12,000L - 28,000L	5,000L - 19,000L	3,000L - 18,000L	8,000L	3,000L - 10,000L	6,900L - 44,000L	3,000L - 7,000L
LPW	Up To 148 LPW	Up To 145 LPW	Up To 124 LPW	Up To 159 LPW	Up To 94 LPW	Up To 116 LPW	Up To 147 LPW	Up To 97 LPW
Temperature Rating	Up To 65C	Up To 65C	Up To 55C	Up To 70C	Up To 55C	Up To 55C	Up To 40C	Up To 40C
DLC*	Premium, Standard	Premium, Standard	Standard	Premium, Standard, Parking Garage	N/A	Standard	Standard	N/A
Optics	Prismatic Glass, Ultra Durable Silicone (Non-Glass)	Prismatic Glass, Ultra Durable Silicone (Non-Glass)	Prismatic Glass, Polycarbonate	Glass and Polycarbonate, Clear and Frosted	Prismatic Glass	Glass	Prismatic Glass	Prismatic Glass
Distributions	Narrow, Medium, Wide, Forward Throw, Long & Narrow	Narrow, Medium, Wide, Forward Throw, Long & Narrow	Type 5 High Angle, Type 5 Low Angle, Long & Narrow, Type 5 with Uplight	Medium, Wide, Parking Garage	Type 5	General	4X4, 4X5, 5X5, 6X5, 6X6 NEMA Optics	Forward Throw
Uplight	Up To 10%	Up To 10%	Up To 5%	N/A	N/A	N/A	N/A	N/A
Mounting	Universal, Pendant, Wall, Ceiling, Hook, Stanchion	Universal, Pendant, Wall, Ceiling, Hook, Stanchion	Universal, Pendant, Wall, Ceiling, Hook, Stanchion	Pole, Suspended, Surface/Ceiling, Wall, Angle, Pendant	Universal, Pendant, Wall, Ceiling, Hook, Stanchion	Suspended, Ceiling	Bracket	Wall
Surge Protection	10kV	10kV	10kV	10kV (20kV OPTIONAL)	10kV	10kV	10kV	10kV
Listing & Ratings	UL844, UL1598, NSF2, Marine Outside, NEMA 4X IP65, IP66, IP67 Hazardous: C1D2, C2D1/2, C3	UL844, UL1598, NSF2, Marine Outside, NEMA 4X IP65, IP66, IP67 Hazardous: C1D2, C2D1/2, C3	UL844, UL1598, NSF2, Marine Outside, NEMA 4X IP66 Hazardous: C1D2, C2D1/2, C3	Wet Location, Marine, NSF2, NEMA 4X IP65, IP66, IP67, IP69K Hazardous: C1D2, C2D2, C3	UL844, UL1598, NEMA 4X IP66 Hazardous: C1D1, C2D1, C3	UL844, UL1598, Marine Outside, NEMA 4X IP66 Hazardous: C1D1, C2D1, C3	UL844, UL1598 IP66 Hazardous: C1D2	UL844, UL1598 IP65 Hazardous: C1D2
Controls	Bluetooth® Programmable Sensor	Bluetooth® Programmable Sensor	N/A	nLight® AIR	N/A	N/A	N/A	N/A



Controls Solutions



nLight® is a sensor-based network digital lighting controls solution that offers wired and wireless lighting controls, easily connecting fixtures, sensors, and other control devices to create a digital network. The nLight platform of products enables ease in specification, installation, and ownership, making it the go-to digital lighting controls platform for specifiers, contractors, and building owners.



nLight® AIR wireless lighting controls are a smart solution for simplifying installation and aiding in energy code compliance.



Simple as 1,2,3

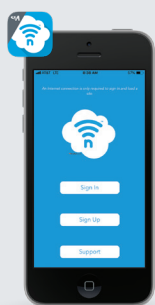
1. Install the nLight® AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch or nLight AIR enabled Remote Ceiling mount sensor
3. With our CLAIRITY app, pair the fixtures with the wall switch or remote ceiling mount sensor and if desired, customize the sensor settings for the intended outcome



rPODB 2P DX



Mobile Device



CLAIRITY™ Pro

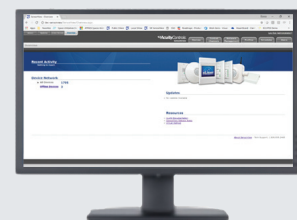
The free CLAIRITY™ Pro mobile app allows validated end users (electrical contractors, controls technicians or facility maintenance professionals) to start up, configure and troubleshoot from a compatible smartphone or tablet. The CLAIRITY Pro mobile app is optimized for efficient onsite startup and maintenance activities. It

allows you to easily modify the settings and operation of the fixtures, sensors and wall switches, aiding in meeting energy code requirements.



SensorView Monitoring and Configuration Software

SensorView is an intuitive and easy-to-use, web-based suite of applications that gives authorized users the ability to remotely configure and monitor nLight® network luminaires and control devices. SensorView also can assist with system commissioning by indicating and reporting on sensor and controller settings in addition to displaying live device status.



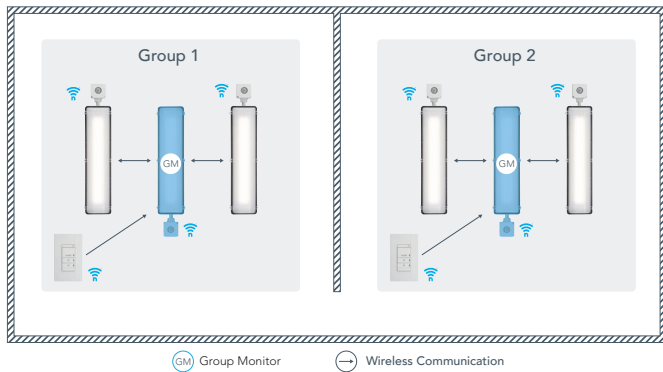
How nLight AIR Works

nLight AIR Stand-Alone System

One device in a group will be selected as the Group Monitor (GM) during commissioning. The GM acts as a repeater to communicate with other devices in the group. Messages are sent to the GM, and the GM then sends a message to all devices at the same time. Group 1 and Group 2 operate completely independent of one another.

Benefits

- + No gateway/router device to install
- + Meets all basic control strategies: Switch, occupancy, daylighting/photocell
- + Easy to upgrade: Start simple, scale up when needed

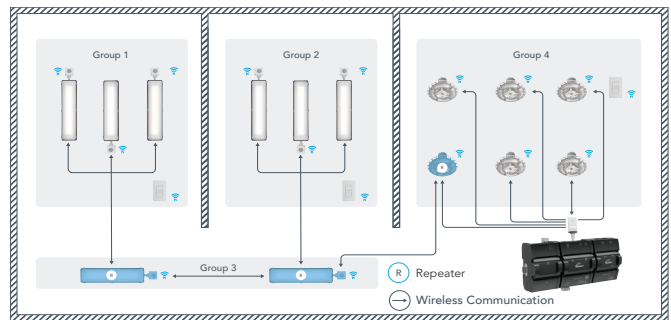


nLight AIR Networked System

Each nLight AIR group is bound to the nLight ECLYPSE™, providing system-wide communication. Messages are sent to and from the ECLYPSE with all devices in range. For devices not in direct range, Autonomous Bridging Technology creates repeaters to carry messages to those devices out of range. Standalone communication with a group monitor still happens independent of system-wide communication.

Benefits

- + System-wide configuration and control, including advanced scheduling and remote programming
- + Building Management System (BMS) integration through common protocols (eg. BACnet)
- + Wired or wireless integration, over-the-air firmware updates, energy monitoring and much more!



Common Industrial Protocol (CIP) Gateway for Converting BACnet_IP to Ethernet_IP

The CIP Gateway enables the nLight ECLYPSE™, which communicates over BACnet/IP, to expose its BACnet® points to a CIP building automation.



Features and Benefits

- + One Interface: simplify the user experience to manage lighting and industrial equipment under the automation interface.
- + Control: on/off and raise/lower for individual fixtures or groups, response to CIP schedules or alerts, and much more.
- + Occupancy: monitor occupancy status of individual fixtures or groups to keep occupants safe and save energy.
- + Light levels: monitor light levels and save energy by reducing artificial light when it's not needed.

Ratings Explained

IEC - IP Rating System

First Digit - Degree of Protection Against Solid Objects	Second Digit - Degree of Protection Against Water
0 Non-protected	0 Non-protected
1 Protected against a solid object greater than 50mm such as a hand	1 Protected against water dripping vertically
2 Protected against a solid object greater than 12mm such as a finger	2 Protected against dripping water when incident up to 150 from vertical
3 Protected against a solid object greater than 2.5mm such as a wire or a tool	3 Protected against water spraying at an angle of up to 60°
4 Protected against a solid object greater than 1.00mm such as a wire or thin strip	4 Protected against water splashing from any direction
5 Dust-protected, prevents ingree of dust sufficient to cause harm	5 Protected against jets of water from any direction (i.e. sink faucet with 0.25-inch nozzle; 4 psi and 3.3 gal/min at 3-yards distance)
6 Dust-tight, no dust ingress	6 Protected against heavy seas or powerful jets in harmful quantities (i.e. 2.5-inch hose flow with 0.5-inch nozzle; 14.5 psi, 26 gal/min at 3-yards distance)
	7 Protected against harmful ingress of water when immersed between a depth of 150mm and 1 meter for 30 minutes maximum
	8 Protected against submersion, suitable for continuous immersion in water
	9K Protected against close-range high pressure, high temperature spray downs (i.e. high temp pressure water & flow; 80°C at 1450 psi and 3.5 gal/min at 0.5-foot distance) *IEC 60529 and ISO 20653



Hazardous Ratings Overview - UL844

Class - Defines nature of hazardous material in the environment
Class I - Gas
Presence of flammable gases or vapors may be present in sufficient quantities to product explosive/ignitable mixtures Typical Class I Locations Petroleum refineries, dispensing areas, petrochemical companies, aircraft hangers/fuel serving areas, industrial firms with dip tanks, utility gas plants, waste water treatment
Class II - Dust
Presence of combustible dust Typical Class II Locations Grain elevators, flour, feed mills, producers of plastics, medicines, fireworks, etc., coal preparation plants, food processing facilities
Class III - Fibers
Presence of ignitable fibers - materials produced contain combustible flyings Typical Class III Locations Textile mills, cotton gins, seed mills, wood processing

Division - Defines probability of hazardous material being able to produce explosive or ignitable mixture based upon its presence
Division 1 - Normally Hazardous
High probability of producing an explosive or ignitable mixture due to hazardous material being present continuously or periodically under normal operating conditions
Division 2 - Not Normally Hazardous
Low probability of producing an explosive or ignitable mixture and is present only during abnormal conditions for a short period of time

Group - Defines type of hazardous material
Groups A, B, C, D
Ignition temperature and explosion pressure
Groups E, F, G
Dust grouped according to ignition temperature and conductivity of the hazardous surface



Warranty Five-year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx
Product specifications may change without notice. Please contact your sales representative for the latest product information.