

nLight® AIR

FAQs



rES7



rPODB 2P DX

What is an nLight® AIR Wireless Lighting Control solution?

nLight AIR is a wireless lighting control platform. Comprised of nLight AIR enabled fixtures, wireless battery powered wall switches, and a mobile app called CLAIRITY, nLight AIR facilitates a quick and easy start-up.

How is nLight AIR different from standard nLight?

nLight AIR was designed to be nLight un-wired. nLight AIR has the same base features and functions of the standard nLight network already enjoyed by thousands of customers.

Why would I want a wireless lighting controls solution?

Wireless is ideal for areas where wiring is cost prohibitive or for retrofits where running new wires can be challenging and time consuming.

What fixtures support nLight AIR?

nLight AIR will be available as an option with the Lithonia BLT, VTL, WL and Bruno fixtures. Going forward, nLight AIR will be available in many more Acuity Brands fixtures. Keep checking for updates of available fixtures.

Can the sensor in the fixture be easily programmed?

Yes. The nLight AIR enabled fixture can be programmed with the CLAIRITY mobile app, available for Android and iOS devices. No ladder is required.

How do the devices in the nLight AIR network communicate with one another?

nLight AIR utilizes a 'star' type architecture, meaning the devices in the network do not communicate their information through other devices.

Is nLight AIR for indoor lighting controls application only?

No, the wireless technology inside nLight AIR is designed to support indoor and outdoor applications. Outdoor products will be available in early 2017.

What is the battery life of the nLight AIR rPODB wall switch?

The nLight AIR rPODB series of wall switches are designed to support 10 years of battery life under normal usage and conditions. The rPODB is powered by three Lithium AAA

batteries (included and installed) and are easily replaced due to a patent-pending quick release mechanism, allowing the switch to be removed without having to unscrew the faceplate.

Will the nLight AIR solution integrate with the standard nLight wired CAT-5e solution?

Yes, nLight AIR shares the same base features and functions of the standard nLight network. Look for more product introductions in early 2017 which will extend this functionality; hybrid wired and wireless nLight networks will become a reality.

Does nLight AIR support SensorView software?

Not currently, the initial release of nLight AIR will not support SensorView. The initial release is optimized to support simple, contractor friendly installation and start-up. This functionality is on the horizon and end users will have the capability of leveraging SensorView software to perform configuration and tuning of all or parts of the network.

Will I be able to upgrade to a fully networked solution in the future?

Yes, the solution can be networked using a nLight ECLYPSE.

What applications does nLight AIR support?

nLight AIR is perfect for commercial office and educational space renovations.

What devices are supported for the system start-up app?

System start-up is accomplished via a mobile application called CLAIRITY, available for download on Google Play (Android KitKat or greater operating system) and the Apple App Store (iOS 7 or greater).

How does nLight AIR connect to the cloud?

The mobile app used to start-up an nLight AIR network connects to the cloud to save all the zoning and configurations in a space for no added cost. In the event of long-term outages or disaster recovery, these settings can be recovered and re-implemented.

Can I stream video over the nLight AIR network?

No, streaming video is not available with nLight AIR.

Can I control my lights and monitor my network remotely with nLight AIR?

Not at this time, but this will be available down the road and it can be added to any new or existing network to support cloud connectivity allowing remote support, access and updates.

What is the maximum number of devices supported in a single group?

Any given group can support a maximum of 128 devices.

Will nLight AIR interfere with existing networks?

nLight AIR utilizes 900MHz frequency to give the best range and to minimize the chance for interference with your existing network.

With the security vulnerabilities in wireless networks today, what has nLight AIR implemented to protect user and system information?

nLight AIR's 5-Tier security architecture uses NIST approved techniques far exceeding the security specifications of competitive systems that typically only support data encryption. Data Encryption using AES-128bit encryption is just the first tier of nLight AIR's 5-Tier security architecture. After encrypting the application data, the second tier is mutual entity authentication. The devices exchanging information verify that both devices are valid network devices. After authenticating each other, the devices encrypt their communications link, which we refer to as the third tier in the security architecture. The fourth tier represents "limited anonymity" meaning the communication link is anonymous after initial registration and no critical device parameters are transmitted over the AIR that could be used by intruders to access the network. The fifth tier represents validation and verification of device firmware before 'going live'. These five tiers together represent the lighting control industry's most comprehensive security architecture.

What is the maximum distance between the nLight AIR devices?

The maximum distance is 1000' line of site and 600-800' through obstruction depending on building construction.

Is a gateway or another additional device required for the nLight AIR Wireless Controls solution to work?

No, all you need is an nLight AIR enabled fixture from Acuity Brands, an nLight AIR wall switch, and Android phone or iPhone!

Can I integrate nLight AIR into a Building Management System?

nLight AIR will be able to integrate with BMS in the coming months. Stay tuned...

Why have a sensor per fixture?

A sensor per fixture allows for maximum energy savings and provides the basic building block to the Internet of Things.

How many zones can I create in one area?

Up to 16 zones can be created for an area/room.

How long does it take to start-up the nLight AIR Wireless network?

After the fixtures are installed using standard power, start-up can be completed in minutes.

Can I connect emergency power with nLight AIR?

Yes, emergency is accomplished using an integrated battery back-up.

How many wireless wall switches can control a single space?

16 wall switches can be used to control a single space.

Do I need a node per fixture?

The combination occupancy/daylight sensor acts as the wireless node and is a necessary component for each fixture.

Can I use VLP to program the sensor?

No, the programming is completed with the CLAIRITY mobile app.

What wireless technologies does nLight AIR utilize?

It utilizes two technologies: 900 mHz and 2.4 GHz (Bluetooth® Low Energy).

What sensor technologies are used?

The smart sensor employs the same technology in all nLight occupancy sensors, PIR occupancy sensor and daylight sensing.

Visit www.acuitycontrols.com/nlightair for more info.

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