nLight® AIR
FAQs

rES7   rPODB 2P DX

What is an nLight® AIR Wireless Lighting Control solution?

nLight AIR is a wireless lighting control platform that is designed for use in both unplanned renovation and new construction. It scales from simple one-room installations to a full campus solution that unlocks the Internet of Things.

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 following:

- Lithonia model families: WL, VTL, BLT, BLT4R, 2BLT2R Troffer, 2BLT4R Troffer
- Mark model families: Slot 2/4/6, Slot Pendant/Surface, Whisper
- Peerless model families: Bruno, Cerra 10

Keep checking for updates of available fixtures at
www.acuitybrands.com/products/controls/nlightair

Can nLight AIR devices be easily programmed?

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

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 2018.

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.

Does nLight AIR support SensorView software?

nLight AIR 2.0 will support both the nLight Eclypse and the Sensorview Software.

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

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

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.

Is a cloud connection required for the duration of the startup?

No – users need an internet connection during initial sign in and to load the site details after initially signing in. After that point, an internet connection is not needed. Clairity will push any new data to the cloud after an internet connection is re-established.

Are 1.0 devices compatible with 2.0 devices?

Yes – all equipment ever sold as nLight AIR is forward compatible with nLight AIR 2.0. Simply use the Clairity mobile app to perform a no-charge firmware update to enable them to work with nLight AIR 2.0 equipment.

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

Yes. Systems that have an Eclypse controller and nLight AIR Adapter can take advantage of the Sensorview software to control and monitor the lighting system remotely.

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?

Yes. Add an Eclypse controller and nLight AIR Adapter to your nLight AIR system to integrate it into the BMS System.

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.

Can I use VLP to program the sensor?

No, the programming is completed with the CL*AIR*ITY 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.