

## LSX™ Series

Super Slim LED Linear Strip Luminaire

### DESCRIPTION

The Aleo LSX™ SR/RC G5 Series Super Slim LED Linear Strip Luminaire delivers industry-leading performance with deep energy savings and continuous dimming. Low profile design offers easy handling and storage. This versatile luminaire produces energy-efficient, comfortable illumination for a myriad of applications.

### APPLICATIONS

Excellent for general utility applications: Parking garage, warehouse, offices, restrooms, storage units, stairwell.

#### LSX™ SERIES

2' 20W Max.  
8' 65' 90W Max.

#### QUICK SHIP

LSX-4-UXH-40/8CT G5-SB (SR/RC)  
LSX-8-UXH-65/8CT G5-SB (SR/RC)

### SPECIFICATION FEATURES

- CONSTRUCTION**  
Integral LED gear tray and reflector with driver on board allows for easy installation and handling. Luminaire features a white durable finish. Diffuser requires no additional frame or fastener for easy installation.
- OPTICAL SYSTEM**  
Reflector systems features highly reflective coating and delivers balanced, comfortable luminance for productive spaces. Diffuser lens reduces glare and improves occupant comfort while maintaining high efficiency emission.
- CERTIFICATION**  
UL Listed. All components have UL certification. UL Class 2. Driver: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2. DLC Listed.
- ELECTRICAL**  
Luminaire utilizes high-efficacy LED packages maintained at cool temperatures for long life, high efficacy. Reliable driver features continuous dimming. Universal voltage (120-277V) for convenient installation. Comes equipped with luminaire quick-disconnect.
- INSTALLATION / MOUNTING**  
Strip can be suspended or surface mounted via mounting brackets.
- CONTROLS / DIMMING**  
Continuous dimming (0-10V) comes standard. Suitable for use with dimmers, sensors, daylight harvesting and other control strategies to achieve deeper energy-savings and code compliance. Features a built-in sensor box as a standard for plug and play sensors.
- FIELD ADJUSTABLE CCT**  
Increased versatility and reduced inventory burden. Color Temp. can be adjusted in the field by selecting (3) different CCTs via switch on driver.
- WARRANTY**  
7-year Limited Warranty. See warranty documentation for more information.

### ORDERING INFORMATION

EXAMPLE: LSX-8-UXH-65/8CT G5-SB (SR/RC)

| LSX                                   | 8                | UXVH               | 65                                                 | 8     | CT                                          | [Blank]                              |
|---------------------------------------|------------------|--------------------|----------------------------------------------------|-------|---------------------------------------------|--------------------------------------|
| Series                                | Form Factor      | Lumen Package      | Max Wattage                                        | CRI   | Color Temp                                  | Dimming                              |
| LSX<br>Super Slim LED<br>Linear Strip | 4 - 4'<br>8 - 8' | UXH<br>Factory Set | 40 4' - 25W / 30W / 40W<br>65 8' - 55W / 60W / 65W | 8 82+ | CT Field Adjust.<br>3500K<br>4000K<br>5000K | Blank<br>0-10V Continuous<br>Dimming |

#### Options

| -SB (SR/RC)                                       | Emergency Backup <sup>1</sup>                                                       | Controls                                                                          | Designation                                                                                      |
|---------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| -SB (SR/RC)<br>Integral Sensor Box and Receptacle | EM700 700lm<br>EM1400 1400lm<br>EMLC/DR Emergency Lighting Control<br>Dimming Relay | See Pg. 4 for details on<br>sensors and controls.<br><br>(Sensor Sold Separately) | BAA<br>Buy American Act<br>Compliant<br><br>BABAA<br>Build America, Buy America<br>Act Compliant |

Specifications and Dimensions subject to change without notice.



## PERFORMANCE SUMMARY

|                         |                       |                          |                            |
|-------------------------|-----------------------|--------------------------|----------------------------|
| <b>Input Voltage</b>    | 120V-277V             | <b>Color Consistency</b> | 5-step MacAdam Ellipse     |
| <b>Input Frequency</b>  | 50/60 Hz              | <b>Rated Life</b>        | 75,000 hours               |
| <b>Rated Wattage</b>    | See Performance Table | <b>L70</b>               | > 72,000 hours             |
| <b>Delivered Lumens</b> | See Performance Table | <b>Power Factor</b>      | > 0.9                      |
| <b>Efficacy</b>         | > 130 LPW (typ.)      | <b>THD</b>               | < 20%                      |
| <b>CRI</b>              | 82+, R9 > 0           | <b>Dimming</b>           | 0-10V Continuous (10-100%) |
| <b>Available CCT</b>    | 3500K/4000K/5000K     | <b>Operating Temp.</b>   | -20°C to 50°C              |

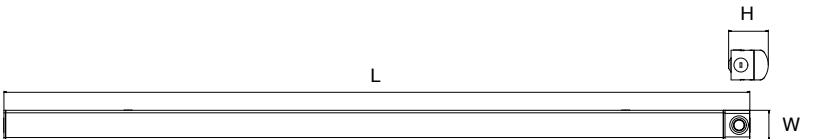
## PERFORMANCE DATA

|    |                                |                   |                    | 3500K                 |                 | 4000K                 |                 | 5000K                 |                 |
|----|--------------------------------|-------------------|--------------------|-----------------------|-----------------|-----------------------|-----------------|-----------------------|-----------------|
|    | Catalog No.                    | Rated Wattage (W) | Tested Wattage (W) | Delivered Lumens (lm) | Efficacy (lm/W) | Delivered Lumens (lm) | Efficacy (lm/W) | Delivered Lumens (lm) | Efficacy (lm/W) |
| 4' | LSX-4-UXH-40/8CT G5-SB (SR/RC) | 25                | 24                 | 3,575                 | 143             | 3,925                 | 157             | 3,650                 | 146             |
|    |                                | 30                | 29                 | 4,230                 | 141             | 4,650                 | 155             | 4,320                 | 144             |
|    |                                | 40                | 39                 | 5,400                 | 135             | 5,920                 | 148             | 5,520                 | 138             |
| 8' | LSX-8-UXH-65/8CT G5-SB (SR/RC) | 55                | 56                 | 7,810                 | 142             | 8,525                 | 155             | 7,975                 | 145             |
|    |                                | 60                | 61                 | 8,220                 | 137             | 9,000                 | 150             | 8,400                 | 140             |
|    |                                | 65                | 66                 | 8,775                 | 135             | 9,620                 | 148             | 8,970                 | 138             |

<sup>1</sup> IMPORTANT: THE BATTERY MUST BE RECHARGED EVERY THREE (3) MONTHS. IF NOT RECHARGED ACCORDINGLY, BATTERY MAY FAIL AND VOID WARRANTY  
Specifications and Dimensions subject to change without notice.

## PRODUCT DIMENSIONS

| Model No. | L              | H           | W           |
|-----------|----------------|-------------|-------------|
| LSX-4     | 47.3" (1202mm) | 2.4" (60mm) | 1.8" (48mm) |
| LSX-8     | 94.2" (2392mm) | 2.4" (60mm) | 1.8" (48mm) |



## DLC QPL DATA



| QPL Model No.                        | Product ID | Technical Req. | Classification | Primary Use                                                 |
|--------------------------------------|------------|----------------|----------------|-------------------------------------------------------------|
| LSX-8-UXH-65/8CT G5 (55) [-YYXX/ZZ]  | S-0D27WZ   | 5.1            | Standard       | Direct Linear Ambient Luminaires                            |
| LSX-4-UXH-40/8CT G5 (40) [-YYXX/ZZ]  | S-3K7UD4   | 5.1            | Standard       | Direct Linear Ambient Luminaires                            |
| LSX-8-UXH-65/8CT G5 (60) [-YYXX/ZZ]  | S-80ZLDY   | 5.1            | Standard       | Direct Linear Ambient Luminaires                            |
| LSX-8-UXH-65/8CT G5 (65) [-YYXX/ZZ]  | S-B4UQ06   | 5.1            | Standard       | Direct Linear Ambient Luminaires                            |
| LSX-8-UXH-65/8CT G5 (55) [-YYXX/ZZ]  | S-D10CM9   | 5.1            | Standard       | Low-Bay Luminaires for Commercial and Industrial Buildings  |
| LSX-8-UXH-65/8CT G5 (60) [-YYXX/ZZ]  | S-D4IRYQ   | 5.1            | Standard       | Low-Bay Luminaires for Commercial and Industrial Buildings  |
| LSX-4-UXH-40/8CT G5 (30) [-YYXX/ZZ]  | S-G8QDKC   | 5.1            | Standard       | Direct Linear Ambient Luminaires                            |
| LSX-4-UXH-40/8CT G5 (40) [-YYXX/ZZ]  | S-KXNJMW   | 5.1            | Standard       | Low-Bay Luminaires for Commercial and Industrial Buildings  |
| LSX-8-UXH-65/8CT G5 (65) [-YYXX/ZZ]  | S-LKOWR8   | 5.1            | Standard       | Low-Bay Luminaires for Commercial and Industrial Buildings  |
| LSX-8-UXVH-90/8CT G5 (90) [-YYXX/ZZ] | S-OAHEU7   | 5.1            | Standard       | Direct Linear Ambient Luminaires                            |
| LSX-8-UXVH-90/8CT G5 (65) [-YYXX/ZZ] | S-OXJABS   | 5.1            | Standard       | Direct Linear Ambient Luminaires                            |
| LSX-8-UXVH-90/8CT G5 (90) [-YYXX/ZZ] | S-R53PUD   | 5.1            | Standard       | High-Bay Luminaires for Commercial and Industrial Buildings |
| LSX-8-UXVH-90/8CT G5 (75) [-YYXX/ZZ] | S-RIEONY   | 5.1            | Standard       | Direct Linear Ambient Luminaires                            |
| LSX-8-UXVH-90/8CT G5 (75) [-YYXX/ZZ] | S-UCQI9O   | 5.1            | Standard       | High-Bay Luminaires for Commercial and Industrial Buildings |
| LSX-4-UXH-40/8CT G5 (25) [-YYXX/ZZ]  | S-WECLQP   | 5.1            | Standard       | Direct Linear Ambient Luminaires                            |
| LSX-8-UXVH-90/8CT G5 (65) [-YYXX/ZZ] | S-Z2IBYP   | 5.1            | Standard       | Low-Bay Luminaires for Commercial and Industrial Buildings  |

Specifications and Dimensions subject to change without notice.

## PRODUCT OPTIONS

### SENSOR OPTIONS

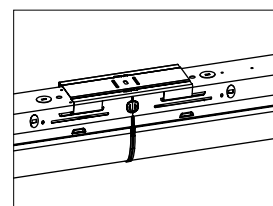
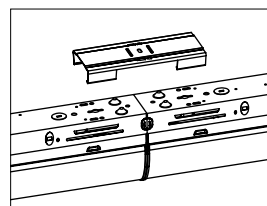
| Catalog No.                      | Description                                                      | Ordering                  | Shipping          | Remote Control | Sensor Mounting         |
|----------------------------------|------------------------------------------------------------------|---------------------------|-------------------|----------------|-------------------------|
| <b>SPIR-OSDL/BT-PP3-DC220</b>    | AleoBlue Multi-level Wireless Bluetooth® Occ Sensor w/ Daylight  | Order and Ship Separately | Field Install     | AleoBlue App   | Sensor Box / End-mount  |
| <b>SPIR-OSDL/BTEZ-PP3-DC-101</b> | SimplBlue Multi-level Wireless Bluetooth® Occ Sensor w/ Daylight | Order and Ship Separately | Field Install     | SimplBlue App  | Sensor Box / End-mount  |
| <b>-AWN</b>                      | Lutron Athena RF-only Node                                       | Order with Model No.      | Factory Installed | Lutron Athena  | KO Side/Back of Housing |



SPIR-OSDL/BT-PP3-DC220

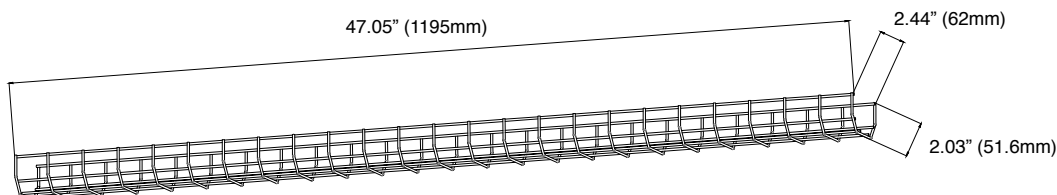
### DAISY CHAIN BRACKET OPTION

| Catalog No.          | Description                    | Ordering                  | Shipping      |
|----------------------|--------------------------------|---------------------------|---------------|
| <b>LSX-DC-BRK G5</b> | Daisy Chain Bracket for LSX G5 | Order and Ship Separately | Field Install |



### WIRE GUARD OPTIONS

| Catalog No.        | Description             | Ordering                  | Shipping      |
|--------------------|-------------------------|---------------------------|---------------|
| <b>LSX-WG-4 G5</b> | Wire Guard for LSX-4 G5 | Order and Ship Separately | Field Install |



Specifications and Dimensions subject to change without notice.

### SURGE PROTECTOR OPTIONS

| Catalog No. | Description          | Ordering                  | Shipping      |
|-------------|----------------------|---------------------------|---------------|
| SP10        | 10kA Surge Protector | Order and Ship Separately | Field Install |

### CORD SET OPTIONS

| Catalog No. | Description      | Ordering             | Shipping                                           |
|-------------|------------------|----------------------|----------------------------------------------------|
| CRD-A       | SO Cord 6' 18/3  | Order with Model No. | Partially Factory Installed - Snap-in in the Field |
| CRD-B       | SO Cord 10' 18/3 | Order with Model No. | Partially Factory Installed - Snap-in in the Field |
| CRD-C       | SO Cord 12' 18/3 | Order with Model No. | Partially Factory Installed - Snap-in in the Field |
| CRD-D       | SO Cord 15' 18/3 | Order with Model No. | Partially Factory Installed - Snap-in in the Field |
| CRD-E       | SO Cord 20' 18/3 | Order with Model No. | Partially Factory Installed - Snap-in in the Field |
| CRD-F       | SO Cord 25' 18/3 | Order with Model No. | Partially Factory Installed - Snap-in in the Field |
| CRD-G       | SO Cord 30' 18/3 | Order with Model No. | Partially Factory Installed - Snap-in in the Field |

### PLUG OPTIONS

| Catalog No. | Description                     | Ordering             | Shipping          |
|-------------|---------------------------------|----------------------|-------------------|
| PLG-1       | Straight plug, 125V, NEMA 5-15P | Order with Model No. | Factory Installed |
| PLG-2       | Twist-lock, 125V, NEMA L5-15P   | Order with Model No. | Factory Installed |
| PLG-4       | Twist-lock, 277V, NEMA L7-15P   | Order with Model No. | Factory Installed |
| PLG-5       | Twist-lock, 480V, NEMA L8-20P   | Order with Model No. | Factory Installed |
| PLG-6       | Twist-lock, 250V, NEMA L6-15P   | Order with Model No. | Factory Installed |

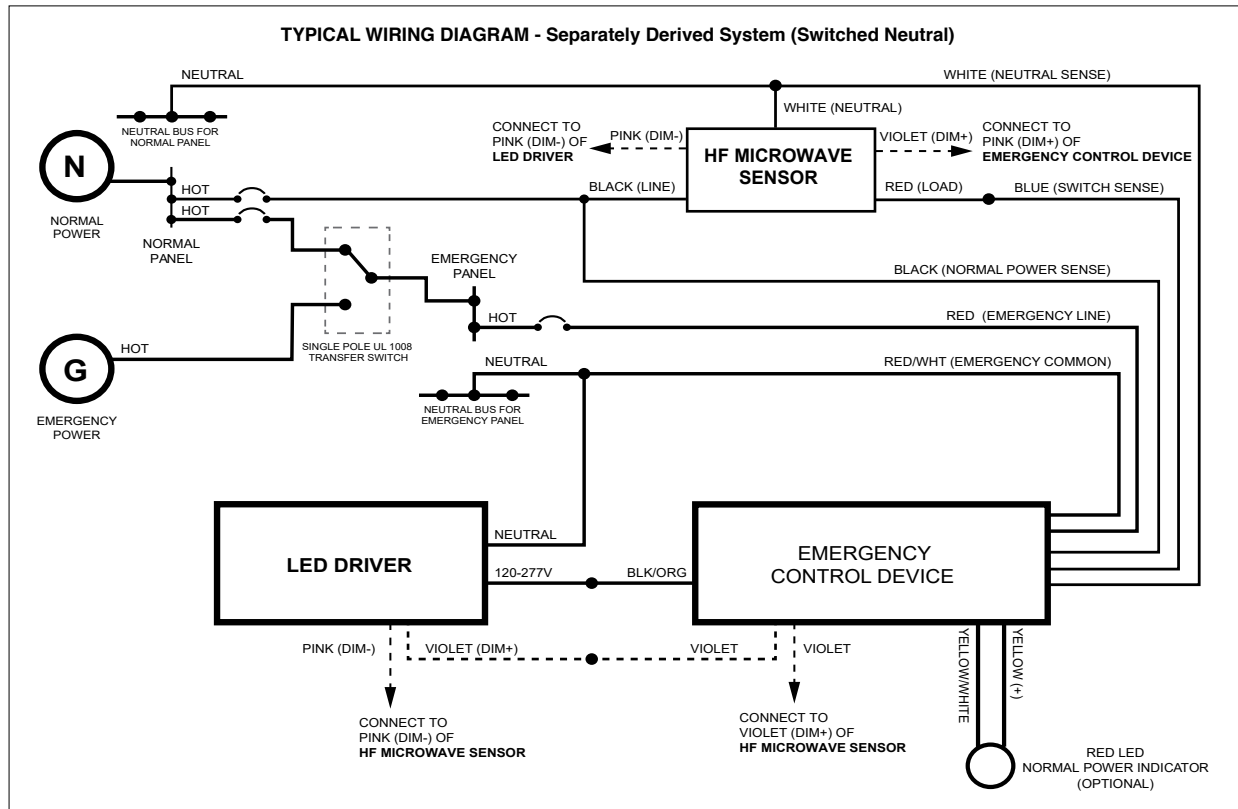
### MOUNTING ACCESSORIES

| Catalog No. | Description                                               | Ordering                  | Shipping      |
|-------------|-----------------------------------------------------------|---------------------------|---------------|
| CHS-105     | Jack chain, 40" length (Set of 2)                         | Order and Ship Separately | Field Install |
| V-HOOK-LLS  | V-hangers, 2 pcs of top mount fixture hangers .135DIA     | Order and Ship Separately | Field Install |
| ACC         | Aircraft Cable - 10' 1/16 cable toggle kit with grip lock | Order and Ship Separately | Field Install |
| ACC-20ft    | Aircraft Cable - 20' 1/16 cable toggle kit with grip lock | Order and Ship Separately | Field Install |
| ACC-25ft    | Aircraft Cable - 25' 1/16 cable toggle kit with grip lock | Order and Ship Separately | Field Install |

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## EMLC/DR EMERGENCY LIGHTING CONTROL DIMMING RELAY (EMLC/DR) OPTION

Allows full brightness operation of the luminaire from the generator or inverter, regardless of local controls/sensor settings. Senses the loss of normal AC power and bypasses the local switch device or dimmed setting, allowing emergency power directly to the fixture.



## BAA AND BABAA COMPLIANT

### BAA - BUY AMERICA ACT COMPLIANT

Complies and Qualifies for projects requiring Buy America Act (BAA) compliant product

### BABAA - BUILD AMERICA, BUY AMERICA COMPLIANT

Complies and Qualifies for projects requiring Build America, Buy America Act (BABAA) compliant product

\*Note: BAA and BABAA product will require lead times approximately ranging from 12-18 weeks. Contact your Aleo representative for more information



**aleoblue™**

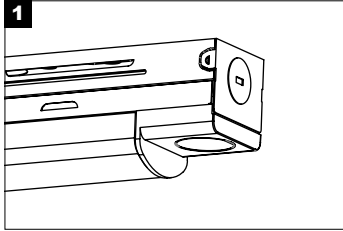
LOOKING FOR ADDITIONAL **ALEOBLUE** CONTROL DEVICES?

Enhance your lighting system with optional AleoBlue control devices designed to expand functionality and simplify installation. [Click here](#) or scan the QR code to view all currently available options.

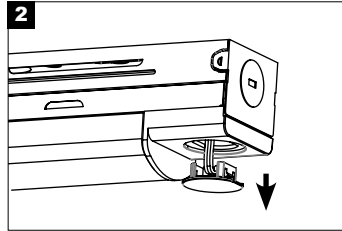


Specifications and Dimensions subject to change without notice.

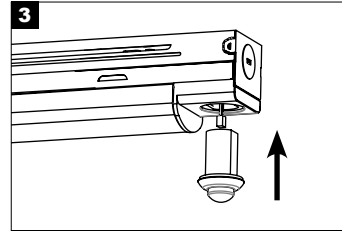
## SENSOR INSTALLATION



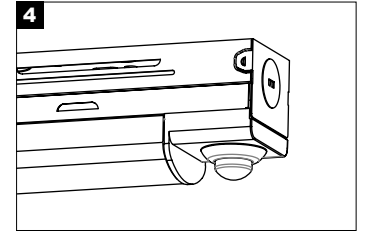
1 Locate the sensor cap.



2 Remove the sensor cap. Sensor wiring harness connector is attached to the cap.

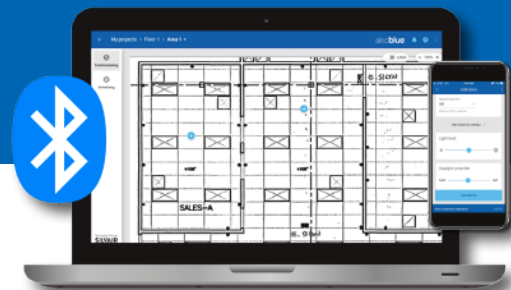


3 Mate the wiring harness connector with the connector on the sensor and push, ensure solid connection. Push and lock the sensor into the fixture hole.



4 Secure the sensor. If necessary, use lock nut.

## ALEOBLUE WIRELESS BLUETOOTH® CONTROLS

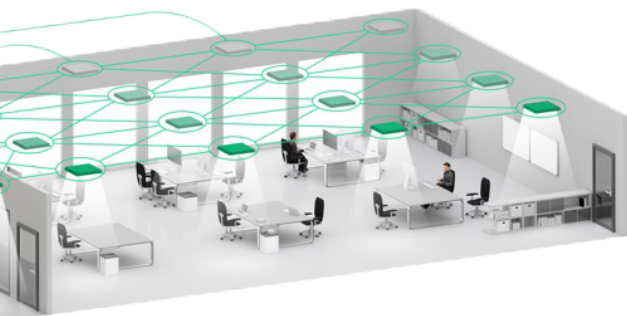


The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth® NLC lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

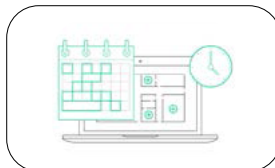
DLC NLC Qualified.

### FEATURES AND BENEFITS

- Lighting Zones / Grouping
- Manual control of individual lights
- On Power up Behavior
- Zone Linking
- High-End Trim
- LLLC (Luminaire Level Lighting Controls)
- Energy Monitoring
- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility
- Intuitive and user-friendly web and iOS apps
- No specialized training or lighting control expertise required
- Optimized for commercial spaces of any size
- No additional wiring or central control box
- Customizable lighting control parameters
- Future proof with Software Updates
- Multiple Zone Configurable
- Built-In Scenarios + Customization



### SCHEDULING



### SCENES



### BLUETOOTH® NLC TECHNOLOGY ADVANTAGES



The fastest low-power communication



Scalability to thousands of devices



The most advanced encryption standards as well as the cutting-edge device authentication

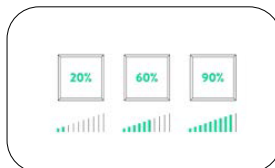


No single point of failure (no central device)

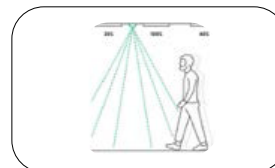


Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth® 4.0 and Bluetooth® 5)

### HIGH / LOW END TRIM

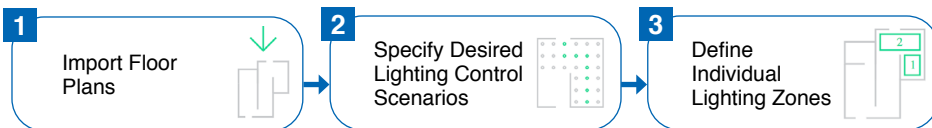


### OCCUPANCY SENSING



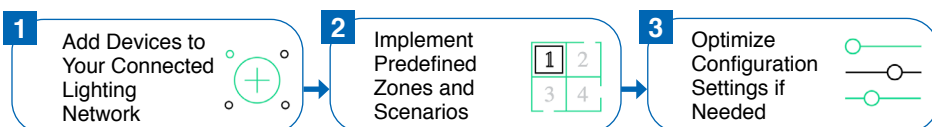
### PLANNING

Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



### IMPLEMENTATION

Adding lighting devices to the Bluetooth® NLC network on-site with the use of an iOS app. Customization and calibration of lighting control parameters during and after the commissioning process. Defining scenes for specific working activities.



### PROVISIONING / CONFIGURATIONS

The Bluetooth® NLC Node is in the Unprovisioned Mode until it is provisioned by a "Provisioner", which typically is a smart phone with a Bluetooth® NLC compatible app.

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