

Project	
Notes	
Type	Date
Cat. No.	



## LPA™ UX Series Linear Architectural Pendant

### DESCRIPTION

The Aleo LPA Series provides an elegant, slim-profile linear luminaire that delivers high-quality, comfortable illumination. Clean lines and discrete profile makes this a versatile solution to lift the ambiance of a variety of commercial spaces.

### APPLICATIONS

Excellent for illuminating high-end, architectural spaces: offices, open-ceiling, shared working spaces, conference rooms, libraries.



### Specification Features

#### Construction

Top of the line craftsmanship using an extruded aluminum channel housing. Specification-grade powder coat finish and end-cap construction. Modern design with no visible fasteners.

#### Optical System

Optimal glare control, uniform illumination. Options of direct/indirect (up and down) or direct (down) illumination. Frosted PC diffuser lens.

#### Certification

ETL Listed. DLC Standard.

#### Warranty

7-year Limited Warranty. See warranty documentation for more information.

#### Electrical

Luminaire utilizes high-efficiency LED arrays maintained at cool temperatures for long life and reliability. 120V-277V input. Flicker-free driver.

#### Installation / Mounting

Suspended mount. Accessory mounting hardware sold separately: air craft cable, canopy, power cord. See pg. 3 for details.

#### Controls / Dimming

Continuous dimming (0-10V) comes standard. Suitable for use with controls.

#### Field Adjustable CCT

Increased versatility and reduced inventory burden. Wattage and Color Temp. can be adjusted in the field by selecting (3) different wattages and (3) different CCTs via switch on the top. Plus adjustable up/down light for (3) different outputs.

#### LPA Series

- 2' 20W/25W/30W
- 3' 20W/25W/38W
- 4' 30W/40W/50W
- 8' 60W/80W/100W

Rated Life 75,000 hours  
 Limited Warranty 7-years  
 Efficacy Up to 137 LPW  
 Continuous Dimming



#### Quick Ship

- LPA-4UX-50/8CT WH G2
- LPA-4UX-50/8CT BLK G2
- LPA-4UX-50/8CT SLV G2
- LPA-8UX-100/8CT WH G2
- LPA-8UX-100/8CT BLK G2
- LPA-8UX-100/8CT SLV G2

## Ordering Information

Example: LPA-8UX-100/8CT SLV G2

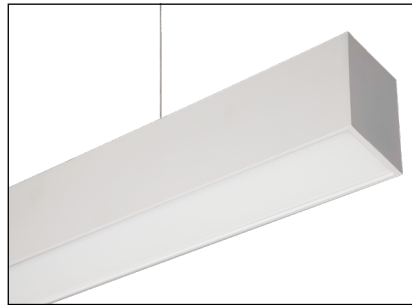
LPA	8	UX	100	8	CT	[Blank]	[Blank]
<b>Series</b>	<b>Form Factor</b>	<b>Lumen Package</b>	<b>Nominal Max Wattage</b>	<b>CRI</b>	<b>Color Temp</b>	<b>Adjustable Up/Down</b>	<b>Dimming</b>
LPA	2 - 2'	UX	30	8 80+	CCT Field Adjust.	Blank	Blank
Linear	3 - 3'	Field Adjustable	2' - 20W/25W/30W		3000K	Up 0% / Down 100%	0-10V
Architectural	4 - 4'	Wattage	38		3500K	Up 50% / Down 50%	Continuous
Pendant	8 - 8'		3' - 20W/25W/38W		4000K	Up 30% / Down 70%	Dimming
			50				
			4' - 30W/40W/50W				
			100				
			8' - 60W/80W/100W				
SLV		Options					
<b>Finish Color</b>		<b>Emergency Backup</b>	<b>Controls</b>		<b>Mounting</b>		
WH - White	RAL#9016	EM700 700lm*	WLC/BT AleoBlue Wireless Control Node		WM		
BLK - Black	RAL#9004	EM1400 1400lm*	OSDL/BT AleoBlue Wireless Occ. Sensor w/ Daylight		Wall Mount		
SLV - Silver	RAL#9006	*Not available for 2' version	*Do not daisy chain the dimming wire				

Note: Accessory Packs sold separately

Specifications and Dimensions subject to change without notice.

Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	> 125 LPW (typ.)
CRI	80+
Available CCT <sup>1</sup>	3000K/3500K/4000K
Color Consistency <sup>2</sup>	5-step MacAdam Ellipse
Rated Life	75,000 hrs.
L70 <sup>3</sup>	60,000 hrs.
Power Factor	> 0.9
THD	< 15%
Dimming	0-10V Continuous
Operating Temp.	-20°C - 50°C

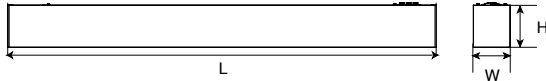


Performance Data

Form Factor	Catalog No.	Rated Wattage (W)	3000K		3500K		4000K	
			Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
2'	LPA-2UX-30/8CT YYY G2	20	2460	123	2720	136	2620	131
		25	3050	122	3375	135	3250	130
		30	3630	121	4020	134	3870	129
3'	LPA-3UX-38/8CT YYY G2	20	2600	130	2760	138	2740	137
		25	3225	129	3425	137	3400	136
		38	4864	128	5168	136	5130	135
4'	LPA-4UX-50/8CT YYY G2	30	3810	127	4110	137	3900	130
		40	5040	126	5440	136	5160	129
		50	6250	125	6750	135	6400	128
8'	LPA-8UX-100/8CT YYY G2	60	7620	127	8220	137	7800	130
		80	10080	126	10880	136	10320	129
		100	12500	125	13500	135	12800	128

Specifications and Dimensions subject to change without notice.

Product Dimensions



Model No.	L	W	H
LPA-2UX-30/8CT (YYY) G2	23.86" (606mm)	2.76" (70mm)	3.15" (80mm)
LPA-3UX-38/8CT (YYY) G2	35.67" (906mm)	2.76" (70mm)	3.15" (80mm)
LPA-4UX-50/8CT (YYY) G2	47.48" (1206mm)	2.76" (70mm)	3.15" (80mm)
LPA-8UX-100/8CT (YYY) G2	94.72" (2406mm)	2.76" (70mm)	3.15" (80mm)

DLC QPL Data

QPL Model No.	Product ID	Technical Req.	Classification	Primary Use
LPA-4UX-50/8CT (YYY) G2	P7NEHW2K	5.1	Standard	Direct Linear Ambient Luminaires
LPA-8UX-100/8CT (YYY) G2	PLYQAOH5	5.1	Standard	Direct Linear Ambient Luminaires



Surface Mount Options

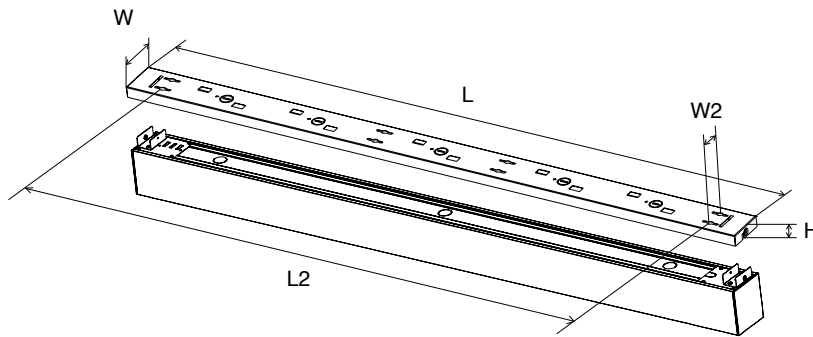


LPA-4-SMK-yyy

Surface Mount Kit for 4-foot LPA, yyy = finish (WH, BLK, SLV)  
(Field Installed - Order and shipped separately)

LPA-8-SMK-yyy

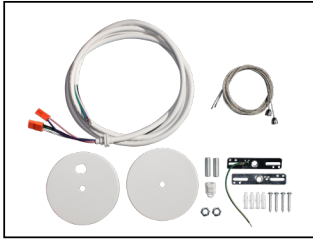
Surface Mount Kit for 8-foot LPA, yyy = finish (WH, BLK, SLV)  
(Field Installed - Order and shipped separately)



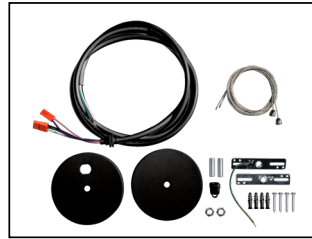
Model No.	Kit Dimensions			Hole Pattern	
	L	W	H	L2	W2
LPA-4-SMK-yyy	47.20" (1199mm)	2.72" (69mm)	0.79" (20mm)	42.52" (1080mm)	1.18" (30mm)
LPA-8-SMK-yyy	94.45" (2399mm)	2.72" (69mm)	0.79" (20mm)	89.76" (2280mm)	1.18" (30mm)

Specifications and Dimensions subject to change without notice.

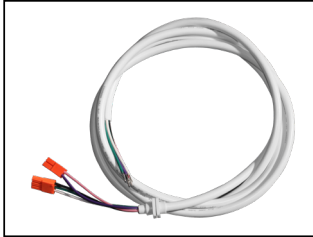
Suspended Mount Options



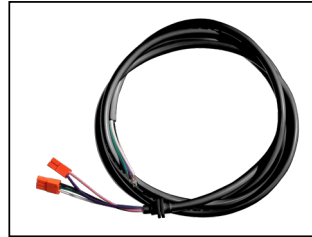
**LPA-ACCSY-PK**  
 Accessory Hardware Pack for LPA pendant: 8' Aircraft Cable, 8' Power Cord (white), Canopy (white)  
 (Field Installed - Order and shipped separately)



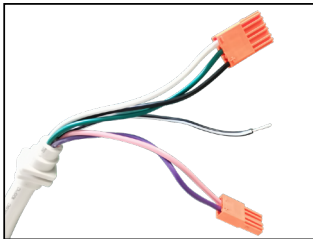
**LPA-ACCSY-PK BLK**  
 Accessory Hardware Pack for LPA pendant: 8' Aircraft Cable, 8' Power Cord (black), Canopy (black)  
 (Field Installed - Order and shipped separately)



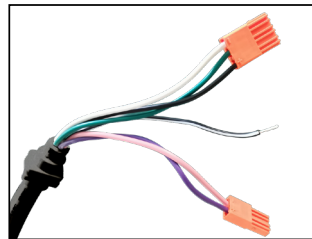
**LPA-CRD-WH**  
 8' Power Cord for LPA UX, White



**LPA-CRD-BLK**  
 8' Power Cord for LPA UX, Black



**LPA-CRD-WH-EM**  
 8' Power Cord for LPA UX, White, 6 conductors



**LPA-CRD-BLK-EM**  
 8' Power Cord for LPA UX, Black, 6 conductors

Control Options

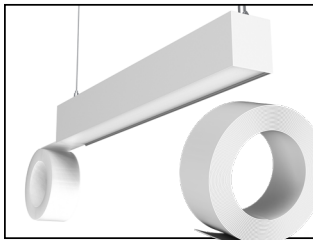


**-OSDL/BT**  
 AleoBlue Wireless Bluetooth PIR Occ Sensor w/ Daylight Harvesting



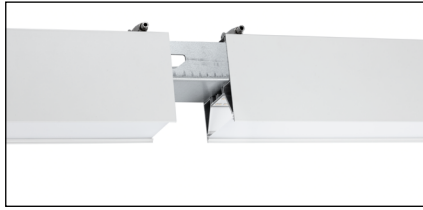
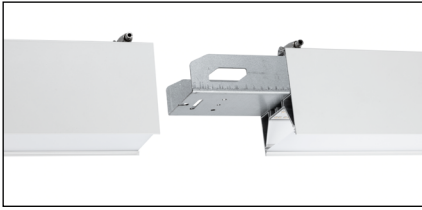
**-WLC/BT**  
 AleoBlue Wireless Bluetooth Lighting Control Node

Lens Options



**LN-LPA-33FT-PCR**  
 LPA UX Continuous Rolled Lens, PC material, 33-foot length, field cut to length

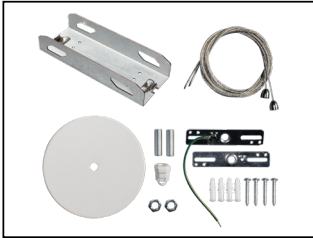
**Continuous Row Connection**



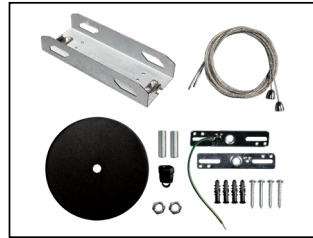
\*Must order continuous row linking bracket (part no.) below



**LPA-LNK-BRK**  
 Continuous Row Linking  
 Bracket for LPA  
 (Field Installed - Order and  
 shipped separately)



**LPA-LNK-PK-WH**  
 Linkable Pack for LPA UX  
 pendant: 8' Aircraft Cable,  
 Linking Bracket, White  
 Canopy

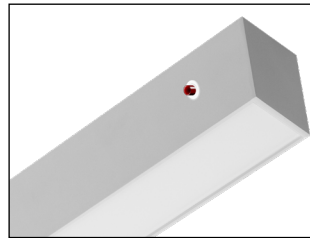


**LPA-LNK-PK-BLK**  
 Linkable Pack for LPA UX  
 pendant: 8' Aircraft Cable,  
 Linking Bracket, Black Canopy

**Emergency Backup Options**



**EM-AC-V200-UNV-H-FI-16**  
 15W Micro-Inverter,  
 120V-277V, 90 min.  
 (Field Installed - Order and  
 shipped separately)

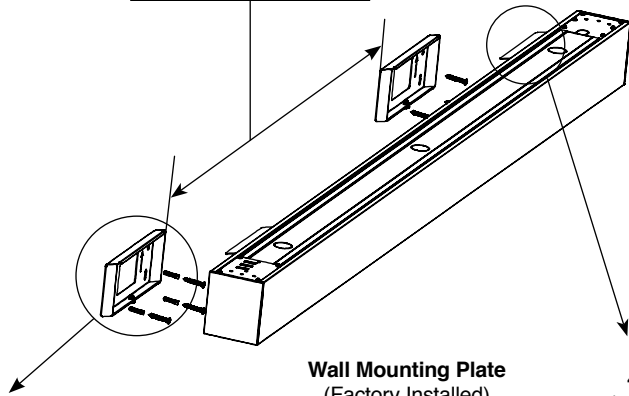


**-EM700**  
 700 lm, 90 min., 24 hr.  
 recharge  
 (Factory Installed - Order as  
 suffix to fixture order code,  
 shipped as fixture-integrated)

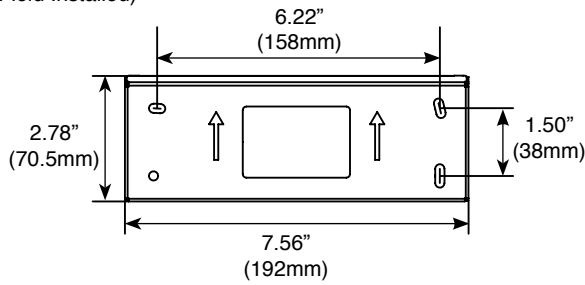
Wall Mount Information



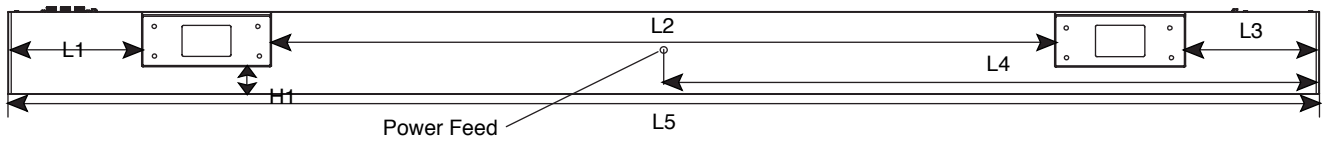
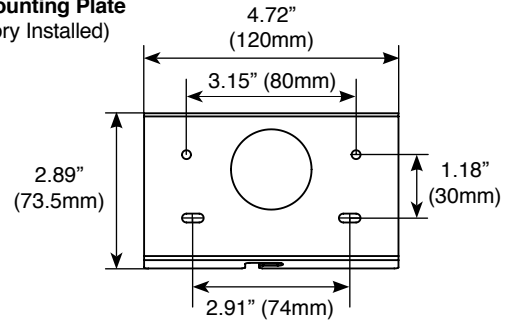
27.64" (702mm) for 4ft  
74.88" (1902mm) for 8ft



Wall Mount Fixture Bracket  
(Field Installed)



Wall Mounting Plate  
(Factory Installed)

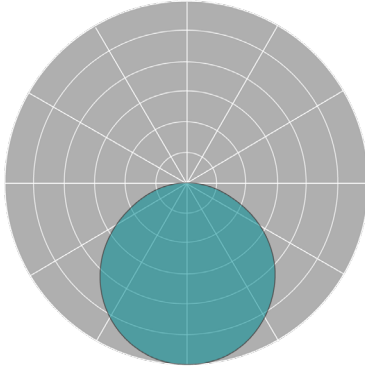


Model No.	Kit Dimensions					
	L1	L2	L3	L4	L5	H1
LPA-4UX -WM	4.4" (112mm)	29.2" (742mm)	4.4" (112mm)	23.74" (603mm)	47.48" (1206mm)	0.31" (7.9mm)
LPA-8UX -WM	4.4" (112mm)	76.44" (1942mm)	4.4" (112mm)	47.36" (1203mm)	94.72" (2406mm)	0.31" (7.9mm)

Photometric Information

50W

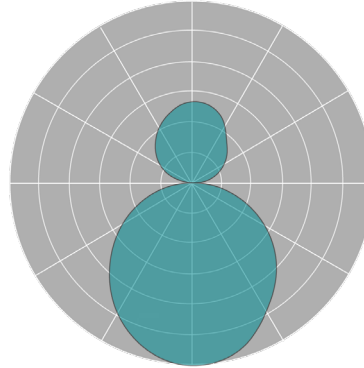
LPA-4UX-50/8CT - 4000K  
0% UP / 100% DOWN



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1782.4	26.8%
0-40	2919.5	43.9%
0-60	5173.2	77.8%
60-90	1468.2	22.1%
70-100	640.9	9.6%
90-120	2.4	0%
0-90	6641.4	99.9%
90-180	4.9	0.1%
0-180	6646.3	100.0%

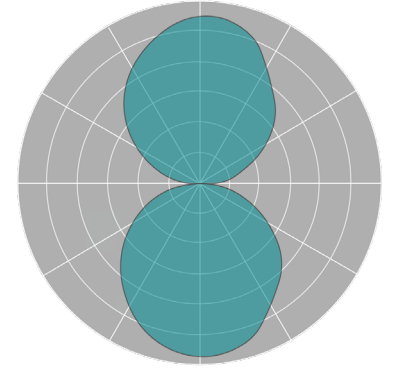
LPA-4UX-50/8CT - 4000K  
30% UP / 70% DOWN



Zonal Lumen Summary

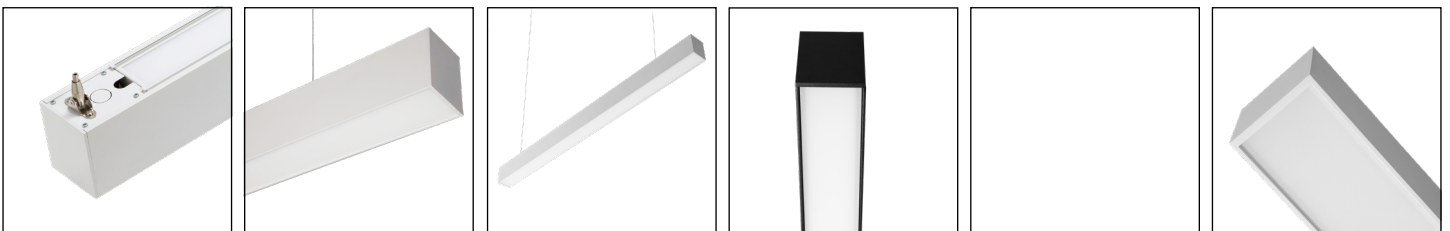
Zone	Lumens	% Luminaire
0-30	1221.6	19.1%
0-40	1975.6	31.0%
0-60	3477.3	54.5%
60-90	988.3	15.5%
70-100	491.5	7.7%
90-120	430.8	6.8%
0-90	4465.7	70.0%
90-180	1916.0	30.0%
0-180	6381.7	100.0%

LPA-4UX-50/8CT - 4000K  
50% UP / 50% DOWN



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	890.6	14.1%
0-40	1440.6	22.9%
0-60	2537.4	40.3%
60-90	725.5	11.5%
70-100	403.2	6.4%
90-120	680.4	10.8%
0-90	3262.8	51.8%
90-180	3036.8	48.2%
0-180	6299.6	100.0%



Specifications and Dimensions subject to change without notice.



## AleoBlue Wireless Bluetooth Controls

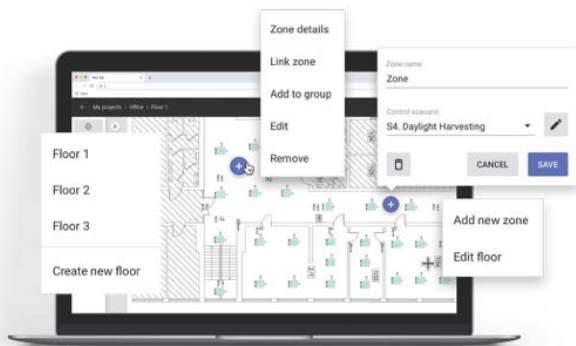


The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth Mesh lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

DLC NLC Qualified.

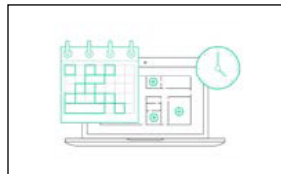
### Features and Benefits

- Lighting Zones / Grouping
- Manual control of individual lights
- On Power up Behavior
- Zone Linking
- Vacancy Sensing
- Per fixture Daylight Control
- Per zone Daylight Control

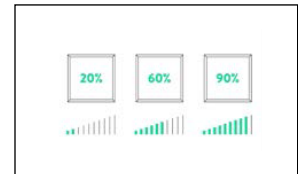


- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility

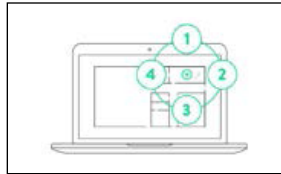
#### Scheduling



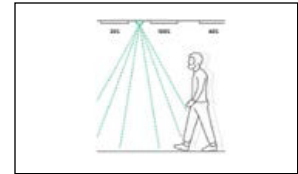
#### High and Low End Trim



#### Scenes



#### Occupancy Sensing



- 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

### Bluetooth Mesh Technology Advantages



The fastest low-power communication



Scalability to thousands of devices



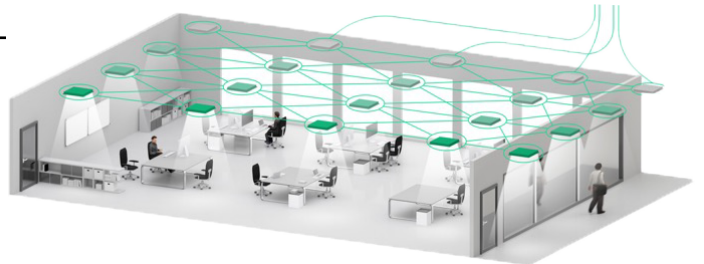
The most advanced encryption standards as well as the cutting-edge device authentication



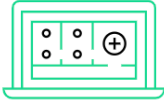
No single point of failure (no central device)



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

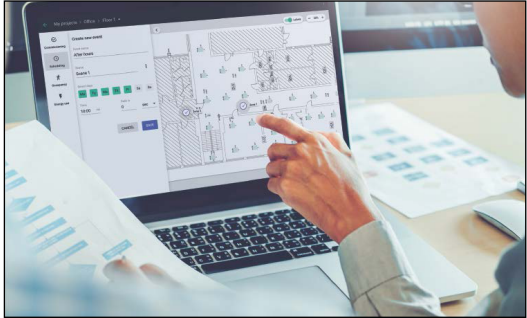
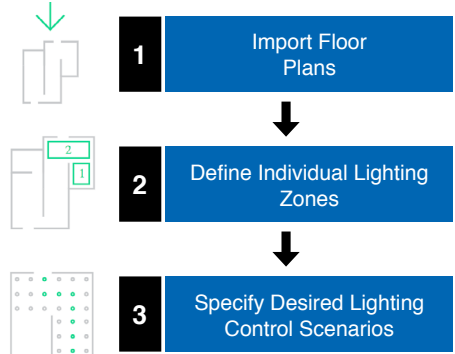
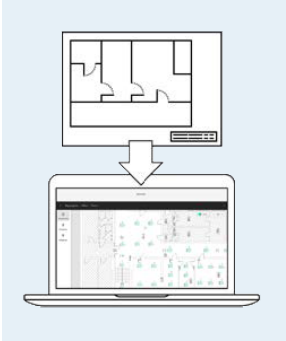






**Planning**

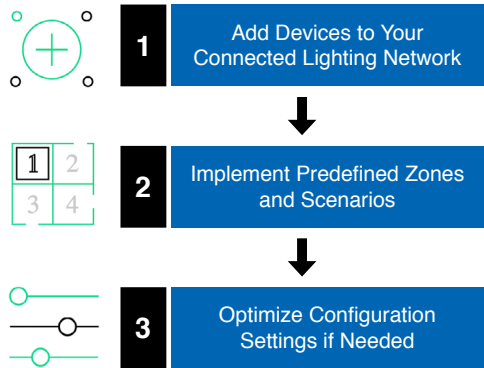
Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



**Implementation**

Adding lighting devices to the Bluetooth mesh 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 mesh Node is in the Unprovisioned Mode until it is provisioned by a "Provisioner", which typically is a smart phone with a Bluetooth mesh compatible app.

**Ordering Information**



**Wireless Bluetooth Occ. Sensor w/ Daylight**  
Model: -OSDL/BT



**Wireless Bluetooth Lighting Control Node**  
Model: -WLC/BT



**ILLUMRA Self-powered Single-Rocker Switch**  
Model: AB-BTT-S1A(xx)



**ILLUMRA Self-powered Double-Rocker Switch**  
Model: AB-BTT-S2A(xx)



**Wireless Ceiling Occ. Sensor w/ Daylight**  
Model: SPIR-OSDL/BT-CM-DC201

Specifications and Dimensions subject to change without notice.

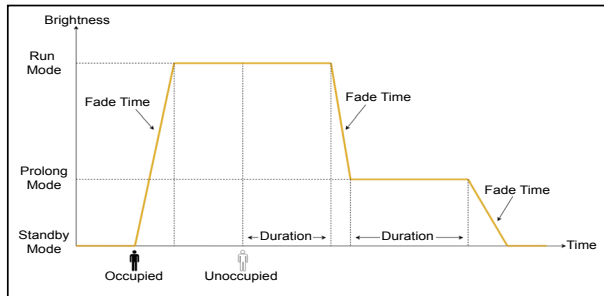
## Lighting Control Scenarios

Multiple lighting control scenarios are available once the Bluetooth mesh Node is provisioned. At each scenario, duration, fade time and target brightness can be configured at any time with the iOS app.

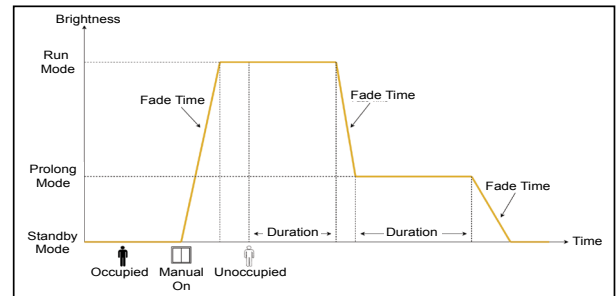


Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight Harvesting	On / Off / Scenes	Auto Off	Enabled

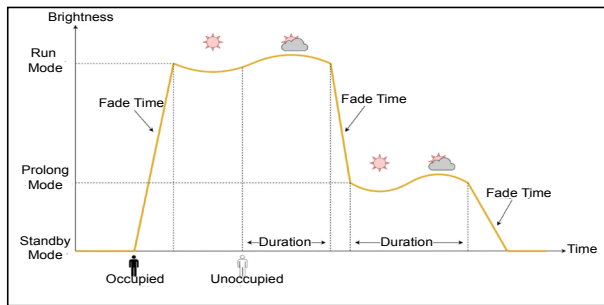
### Occupancy Scenario



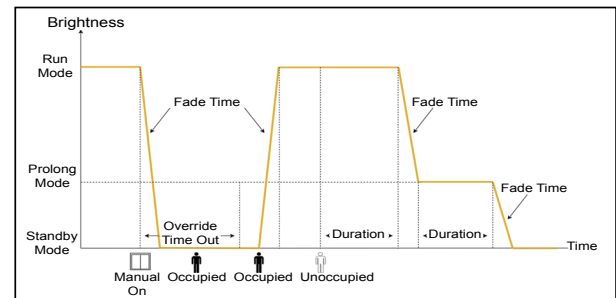
### Vacancy Scenario



### Occupancy Scenario - with Daylight Harvesting



### Occupancy Scenario with Manual Override



## Occupancy Detection Pattern

H	X	Y
7.9' (2.4m)	16.4' (5.0m)	16.4' (5.0m)
8.9' (2.7m)	18.4' (5.6m)	18.4' (5.6m)
9.8' (3.0m)	20.3' (6.2m)	20.3' (6.2m)

### Orientation Indicators

