



Project	
Notes	
Type	Date
Cat. No.	

LPS-BL™ UX Series

Slim LED Panel Back-Lit - Field Adjustable

DESCRIPTION

The Aleo LPS-BL™ Series LED Field Adjustable Panel delivers industry-leading performance with deep energy savings and continuous dimming. The slim profile, modern design produces pleasant, uniform and low-glare illumination, enhancing spaces in various applications.

APPLICATIONS

Retail, schools, offices, healthcare, and other various commercial applications .

Specification Features



Construction

Solid rigid frame, post-painted matte white finish for strength and durability. Low profile design optimizes shipping, storage, and handling. Integral T-Bar clips built into luminaire. Integrated parts and diffuser for easy installation and handling.

Optical System

Back-lit optics produces soft 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.

Warranty

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

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.

Installation / Mounting

Installs in most standard T-Bar ceiling grid systems. Compatible with standard 15/16" and 9/16" T-bar grid ceilings

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.

Field-Adjustable CCT / Wattage

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 driver box



LPS-BL™ UX Series
2x4 50W / 40W / 30W
2x2 40W / 30W / 25W
1x4 40W / 30W / 25W

Rated Life 75,000
Limited Warranty 7-Years
Efficacy Over 110 LPW
Continuous Dimming



Quick ship

LPS-BL-24UX-50/8CT G6 ECO
 LPS-BL-22UX-40/8CT G6 ECO
 LPS-BL-14UX-40/8CT G6 ECO

Ordering Information

Example: LPS-BL-22UX-40/8CT G6 ECO

LPS-BL	22	UX	40	8	CT	[Blank]	[Blank]
Series LPS-BL Slim LED Panel - Back Lit	Form Factor 24 2'x4' 22 2'x2' 14 1'x4'	Lumen Package UX Field Adjustable	Nominal Max Wattage 1'x4' 40 25W / 30W / 40W 2'x2' 40 25W / 30W / 40W 2'x4' 50 30W / 40W / 50W * Utilize 3-way switch to select	CRI 8 80+	Color Temp CT Field Adjust. 3500K 4000K 5000K * Utilize 3-way switch to select	Input Voltage Blank 120V-277V	Dimming Blank 0-10V Continuous Dimming

[Options]

Emergency Backup¹ EM1400 1400lm (ships separate, partially field-installed) See Pg. 3 for more information	Controls WLC/BT AleoBlue Wireless Bluetooth Lighting Control Node
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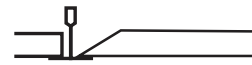
Specifications and Dimensions subject to change without notice.

Performance Summary

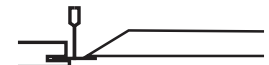
Input Voltage	120V-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	> 110 LPW (typ.)
CRI	83+, R9 > 0
Available CCT ¹	3500, 4000K, 5000K
Rated Life	75,000 hours
Power Factor	> 0.9
THD	< 20%
Dimming	0-10V Continuous (10-100%)
Operating Temp.	-20°C to 50°C



Mounting Information



Lay-in (Standard)



Concealed

* Fits 9/16, 15/16 and SS T-bar grid.
Flange kit available upon request

Performance Data

Form Factor	Catalog No.	Rated Wattage (W)	3500K		4000K		5000K	
			Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
1' x 4'	LPS-BL-14UX-40/8CT G6 ECO	25	3,150	126	3,500	140	3,250	130
		30	3,660	122	4,080	136	3,780	126
		40	4,600	115	5,120	128	4,760	119
2' x 2'	LPS-BL-22UX-40/8CT G6 ECO	25	3,075	123	3,425	137	3,200	128
		30	3,600	120	4,020	134	3,750	125
		40	4,560	114	5,080	127	4,760	119
2' x 4'	LPS-BL-24UX-50/8CT G6 ECO	30	3,630	121	3,960	132	3,660	122
		40	4,640	116	5,040	126	4,680	117
		50	5,700	114	6,200	124	5,750	115

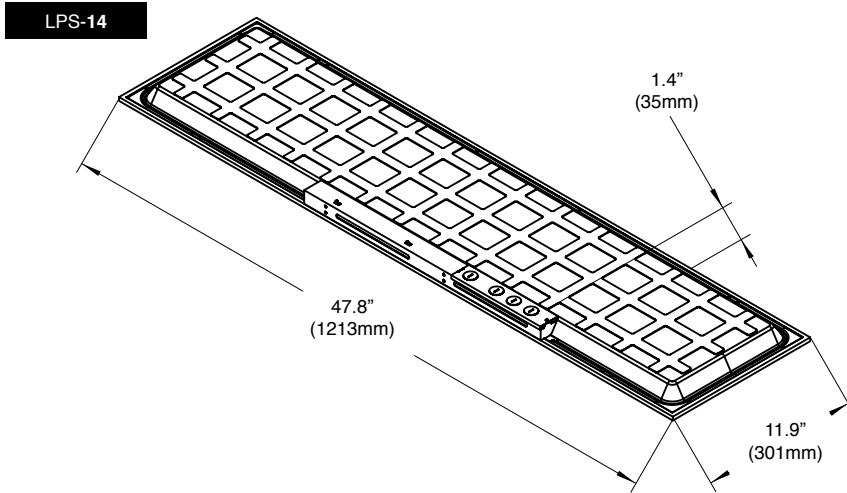
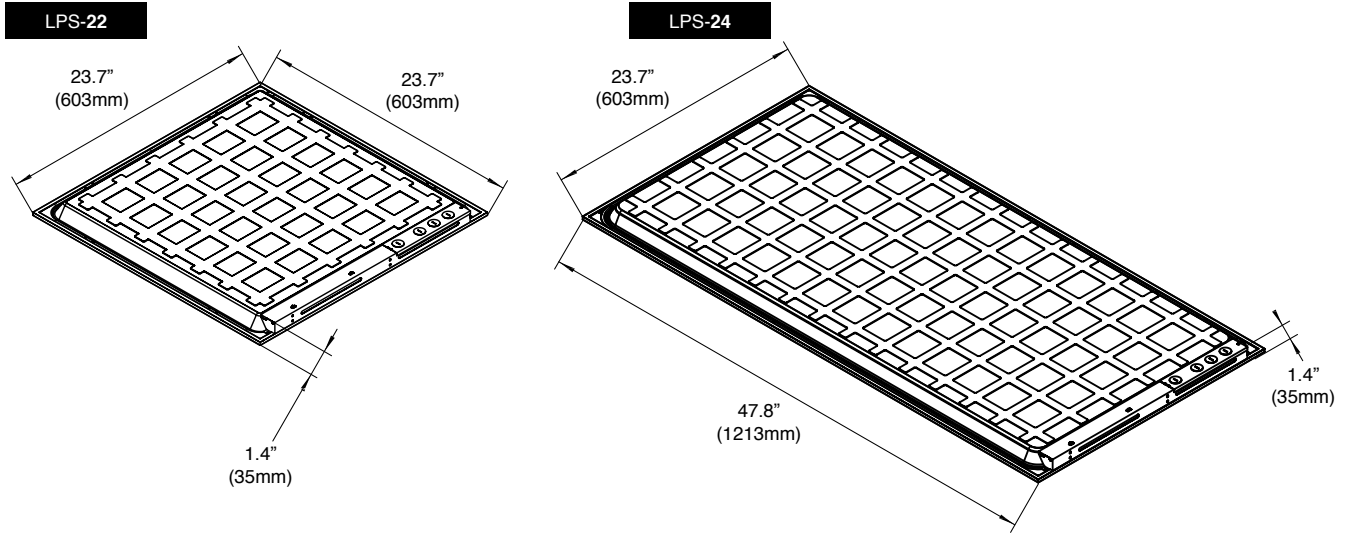


NOTES:

- ¹ IMPORTANT: THE BATTERY MUST BE RECHARGED EVERY THREE (3) MONTHS. IF NOT RECHARGED ACCORDINGLY, BATTERY MAY FAIL AND VOID WARRANTY
- ² Typical color consistency. May vary or be changed.

Specifications and Dimensions subject to change without notice.

Product Dimensions



Emergency Backup Option



Catalog No.	Description	Ordering	Shipping
EM-AC-V200-UNV-H-FI-16	15W Micro-Inverter, 120V-277V, 90 min.	Ordered as suffix -EM1400 to fixture model no.	Ships separate / Factory sub-assembled for partial field installation

[Click here](#) for installation instructions

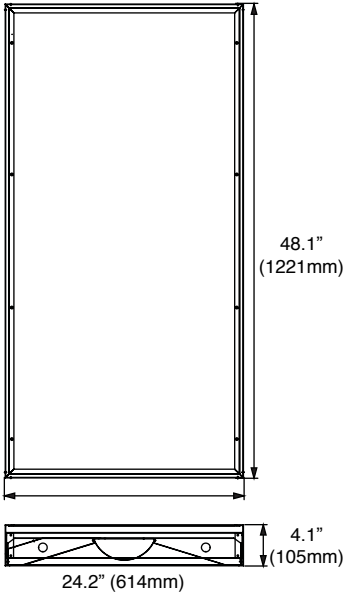
Accessory Options

Surface Mount Kits



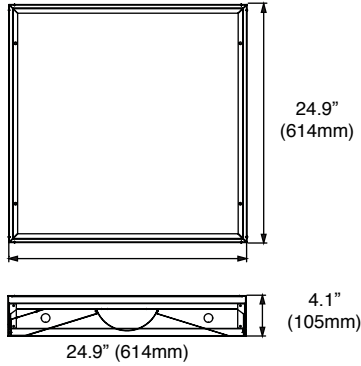
SMK-24 ECO

Surface Mount Kit for 2'x4' troffer or panel



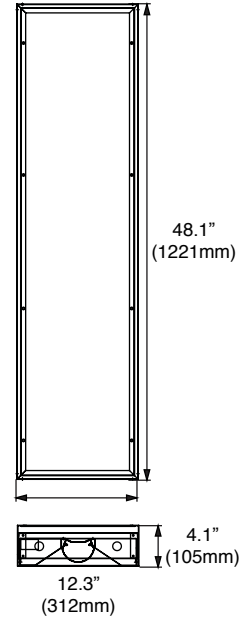
SMK-22 ECO

Surface Mount Kit for 2'x2' troffer or panel



SMK-14 ECO

Surface Mount Kit for 1'x4' troffer or panel

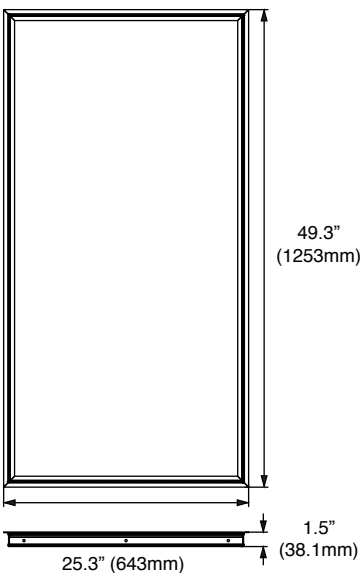


Flange Kits



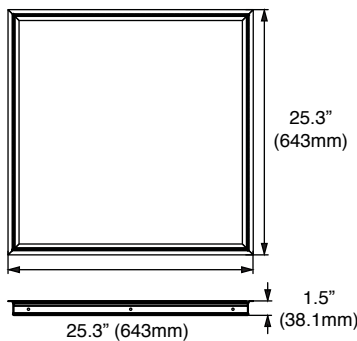
FK-LT-24

Flange Kit for 2'x4' troffer or panel



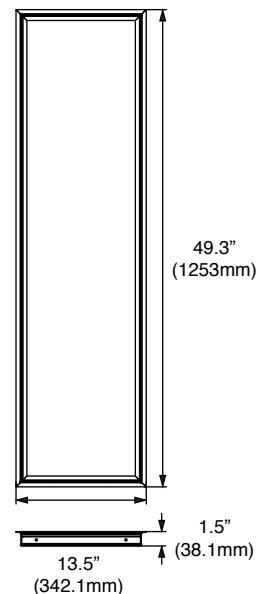
FK-LT-22

Flange Kit for 2'x2' troffer or panel



FK-LT-14

Flange Kit for 1'x4' troffer or panel



Specifications and Dimensions subject to change without notice.



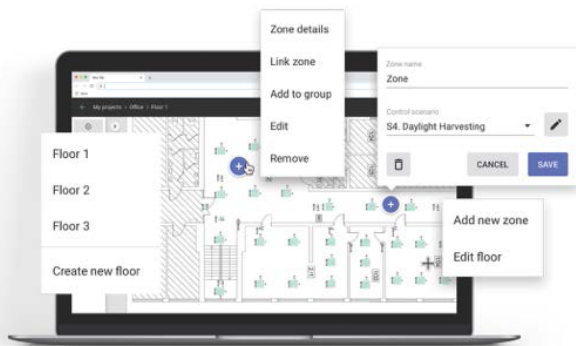
AleoBlue Wireless Bluetooth Controls

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.

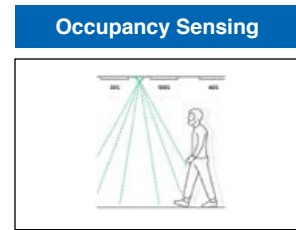
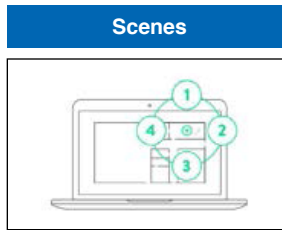
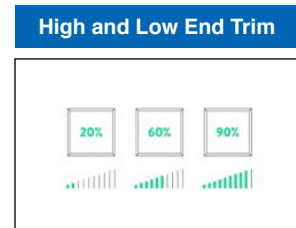
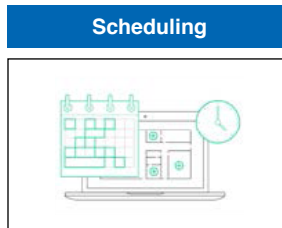
DLC NLC Qualified.

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



- 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



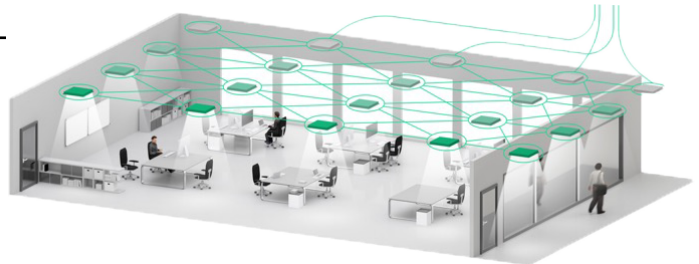
The most advanced encryption standards as well as the cutting-edge device authentication

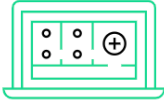


No single point of failure (no central device)



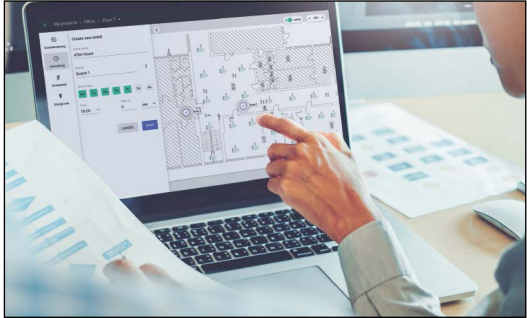
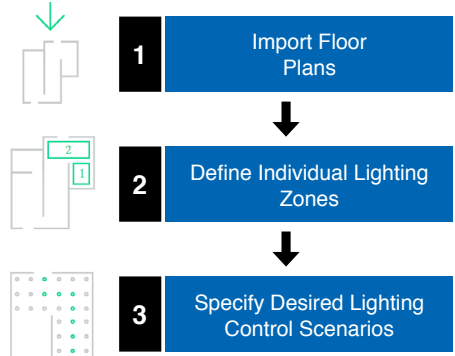
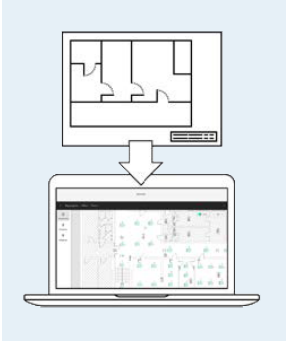
Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth 4.0 and Bluetooth 5)





Planning

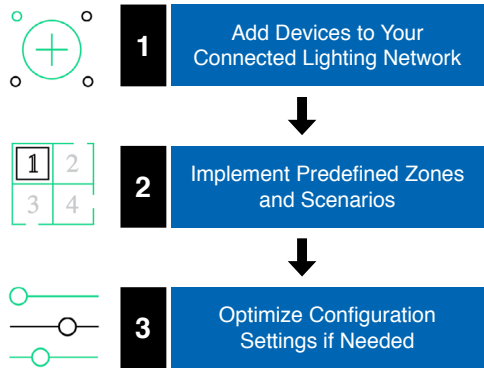
Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



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 Lighting Control Node
Model: -WLC/BT



EnOcean BLE Single-Rocker Switch
Model: ESRPB



EnOcean BLE Double-Rocker Switch
Model: EDRPB



Wireless, AC Powered, Ceiling-Mount Occ. Sensor
Model: CM-AC-OS/BT

Specifications and Dimensions subject to change without notice.

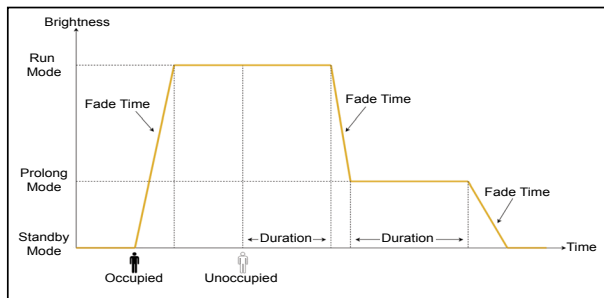
Lighting Control Scenarios

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.

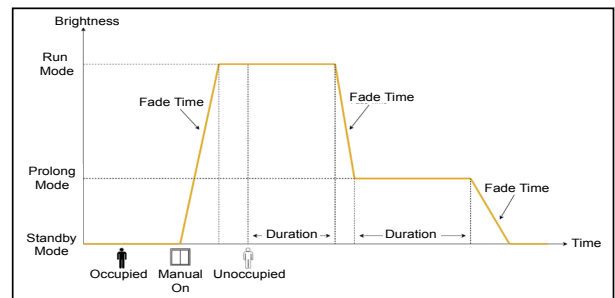


Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight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

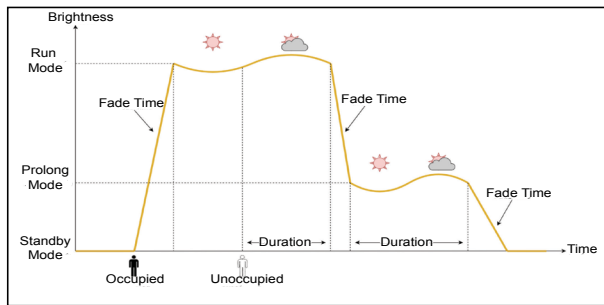
Occupancy Scenario



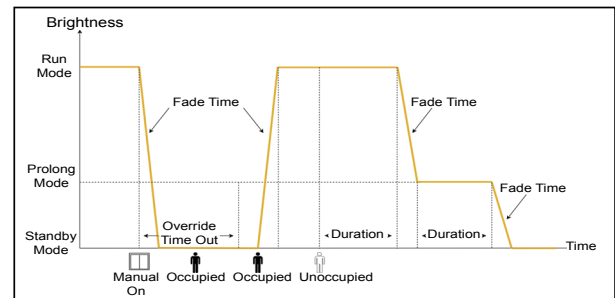
Vacancy Scenario



Occupancy Scenario - with Daylight Harvesting



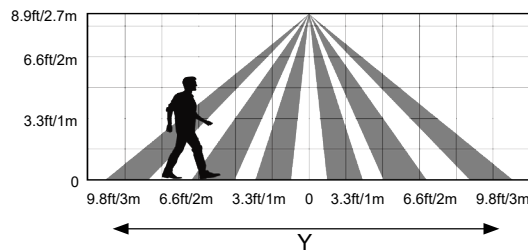
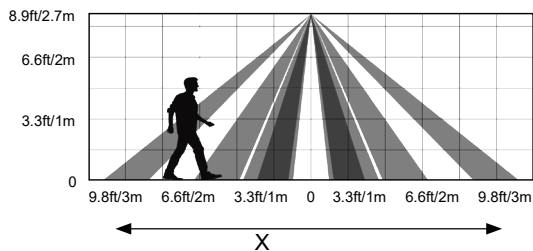
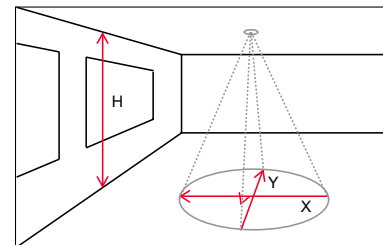
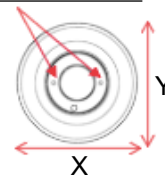
Occupancy Scenario with Manual Override



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



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 LED LIGHTING