aleo™
LED LIGHTING

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. DLC Standard.

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

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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

CONTINUOUS DIMMING
0-10V Continuous

Quick ship

LPS-BL-24UX-50/8CT G5 ECO
LPS-BL-22UX-40/8CT G5 ECO
LPS-BL-14UX-40/8CT G5 ECO

Ordering Information

Example: LPS-BL-22UX-40/8CT G5 ECO

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

[Options]

Emergency Backup		Controls	
EM1400 1400lm		**WLC/BT**	AleoBlue Wireless Bluetooth Lighting Control Node

Specifications and Dimensions subject to change without notice.
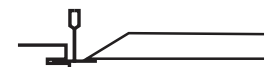
Performance Summary

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
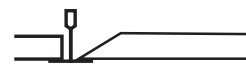
Lay-in (Standard)   Concealed

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

DLC QPL Data

QPL Model No.	Product ID	Technical Req.	Classification	Primary Use
LPS-BL-14UX-40/8CT G5 ECO [-YYXX/ZZ]	S-HM5QIX	5.1	Standard	1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
LPS-BL-22UX-40/8CT G5 ECO [-YYXX/ZZ]	S-PFA1ZG	5.1	Standard	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
LPS-BL-24UX-50/8CT G5 ECO [-YYXX/ZZ]	S-PT6GJZ	5.1	Standard	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces

NOTES:

[1]   Typical color consistency. May vary or be changed.

[2]   L70 hours calculated based on LED package manufacturer LM80 report and ISTMT report of LED in luminaire. Stated values are for select catalog numbers. Contact manufacturer for detailed information

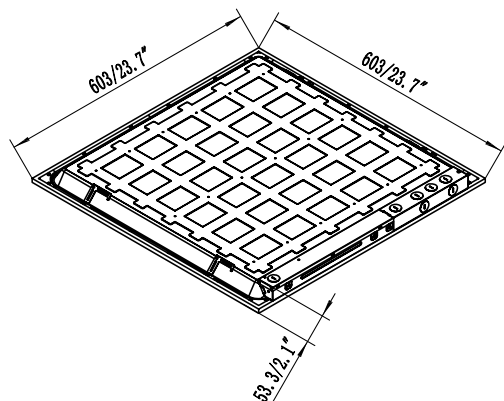**Specifications and Dimensions subject to change without notice.**

Performance Data

Form Factor	Catalog No.	Nominal Wattage	Color Temperature	Lumens (lm)	Wattage (W)	Efficacy (lm/W)
1' x 4'	LPS-BL-14UX-40/8CT G5 ECO	25	3500K	2891	23.7	122.0
			4000K	3037	22.6	134.4
			5000K	2903	23.6	123.0
		30	3500K	3570	30.2	118.2
			4000K	3753	28.8	130.3
			5000K	3588	30.1	119.2
		40	3500K	4617	41.3	111.8
			4000K	4854	39.4	123.2
			5000K	4643	41.2	112.7
2' x 2'	LPS-BL-22UX-40/8CT G5 ECO	25	3500K	2944	23.7	124.2
			4000K	3188	22.5	141.7
			5000K	3011	23.8	126.5
		30	3500K	3510	29.3	119.8
			4000K	3797	27.8	136.6
			5000K	3590	29.4	122.1
		40	3500K	4513	40.4	111.7
			4000K	4892	38.4	127.4
			5000K	4609	40.5	113.8
2' x 4'	LPS-BL-24UX-50/8CT G5 ECO	30	3500K	3716	29.4	126.4
			4000K	3940	28.2	139.7
			5000K	3777	29.3	128.9
		40	3500K	4840	40.3	120.1
			4000K	5135	38.7	132.7
			5000K	4925	40.2	122.5
		50	3500K	5568	48.0	116.0
			4000K	5910	46.1	128.2
			5000K	5667	47.9	118.3

Specifications and Dimensions subject to change without notice.

Form LPS-BL-UX-G5-SS / Rev. 03   **Aleo Lighting, Inc.** I www.aleolighting.com I Ph: 877-358-8825

Product **Dimensions**

LPS-**22**

603/23.7"
603/23.7"
53.3/2.1"

LPS-**24**

603/23.7"
1213/47.8"
53.3/2.1"

LPS-**14**

37.5/1.5"
1213/47.8"
301/11.9"
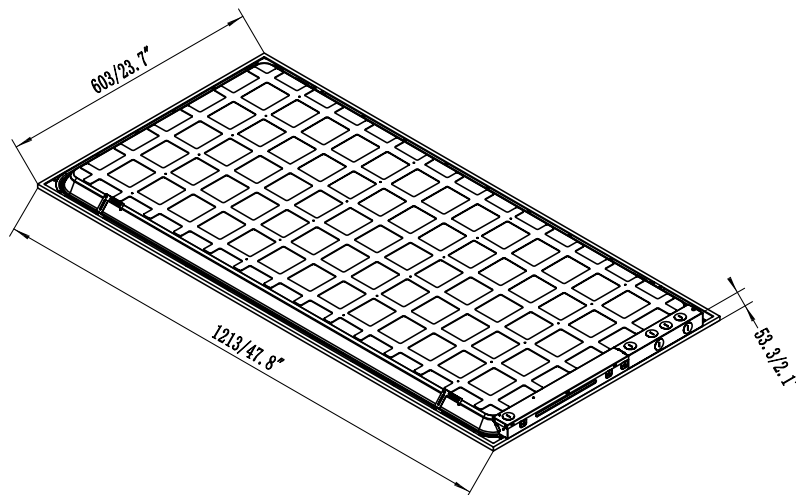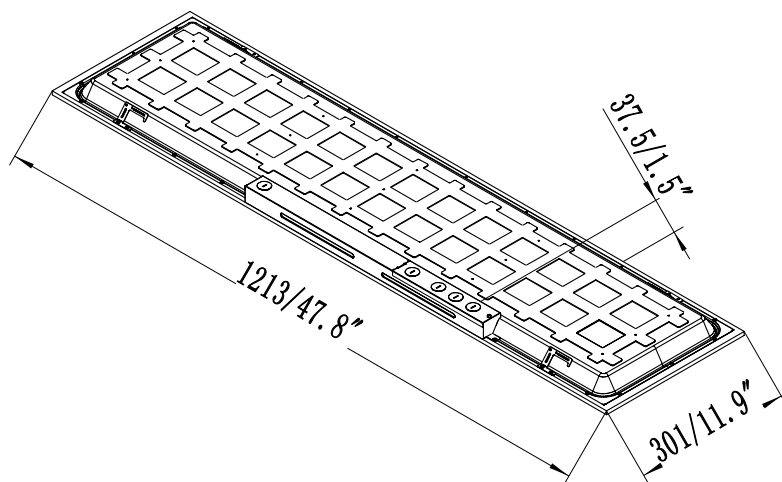
Accessory Options

Emergency Backup - Micro Inverter

EM-AC-V200-UNV-H-FI-16   15W Micro-Inverter, 120V-277V, 90 min.

Specifications and Dimensions subject to change without notice.

Accessory Options

Surface Mount Kits
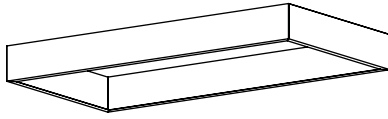
SMK-24 ECO
Surface Mount Kit for 2'x4' troffer or panel

48.1"
(1221mm)

4.1"
(105mm)

24.2" (614mm)
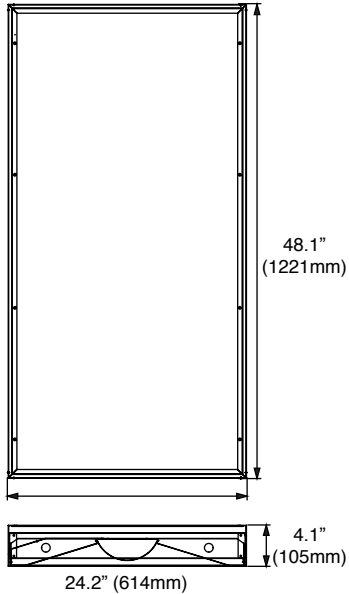
SMK-22 ECO
Surface Mount Kit for 2'x2' troffer or panel

24.9"
(614mm)

4.1"
(105mm)

24.9" (614mm)
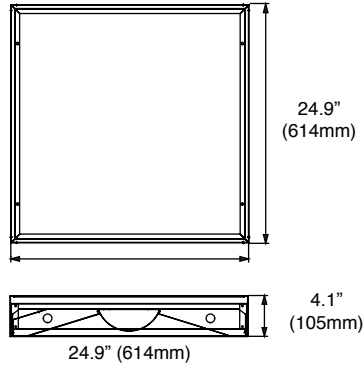
SMK-14 ECO
Surface Mount Kit for 1'x4' troffer or panel

48.1"
(1221mm)

4.1"
(105mm)

12.3"
(312mm)

Flange Kits

FK-LT-24
Flange Kit for 2'x4' troffer or panel

49.3"
(1253mm)

1.5"
(38.1mm)

25.3" (643mm)
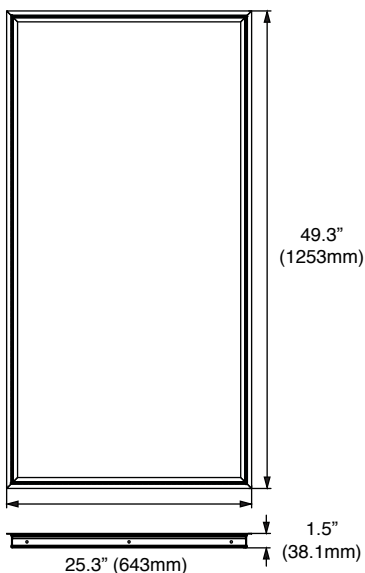
FK-LT-22
Flange Kit for 2'x2' troffer or panel

25.3"
(643mm)

1.5"
(38.1mm)

25.3" (643mm)
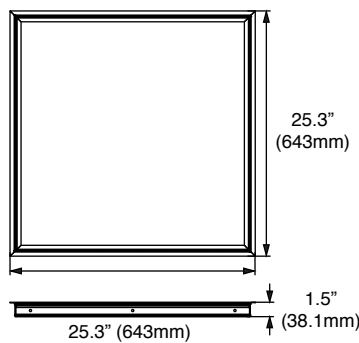
FK-LT-14
Flange Kit for 1'x4' troffer or panel

49.3"
(1253mm)

1.5"
(38.1mm)

13.5"
(342.1mm)

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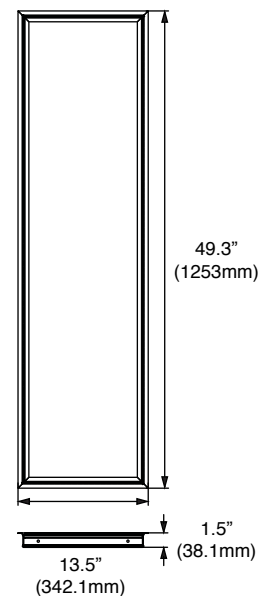
aleoblue™

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.

DLC LISTED

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

Scheduling
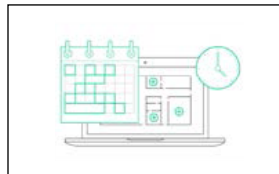
High and Low End Trim

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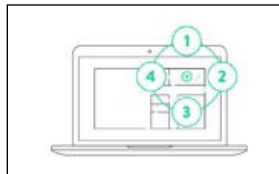
Occupancy Sensing
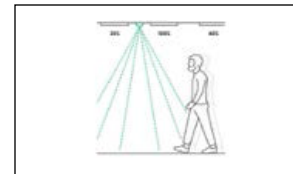
- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility

- Intuitive and user-friendly web and iOS apps
- No specialized training or lighting control expertize 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
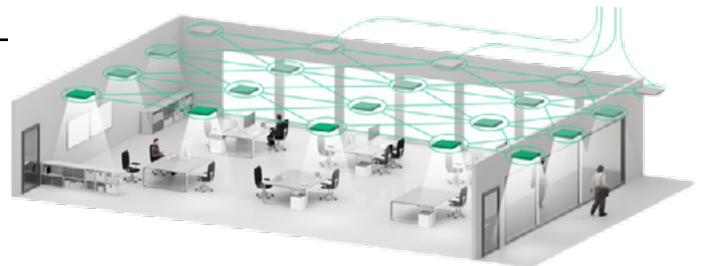
Scalability to thousands of devices

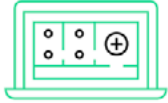The most advanced encryption standards as well as the cutting-edge device authentication

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)

Specifications and Dimensions subject to change without notice.

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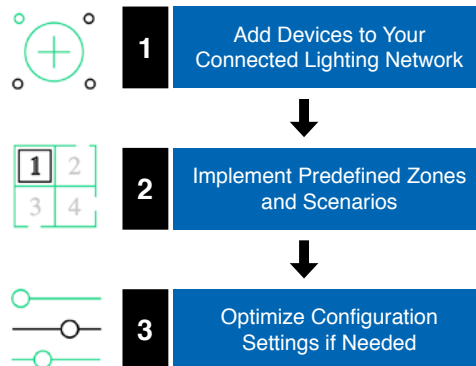
Planning

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.

1	Import Floor Plans
2	Define Individual Lighting Zones
3	Specify Desired Lighting Control Scenarios
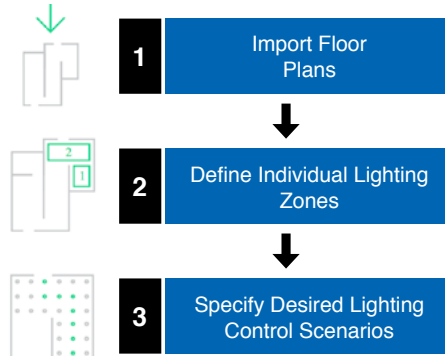
Implementation

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.

1	Add Devices to Your Connected Lighting Network
2	Implement Predefined Zones and Scenarios
3	Optimize Configuration Settings if Needed

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	**EnOcean BLE Single-Rocker Switch**	**EnOcean BLE Double-Rocker Switch**	**Wireless, AC Powered, Ceiling-Mount Occ. Sensor**
Model: -WLC/BT	Model: ESRPB	Model: EDRPB	Model: CM-AC-OS/BT

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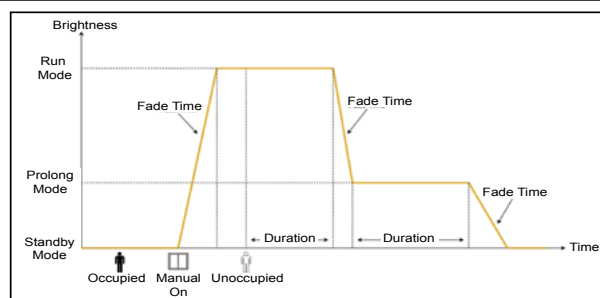
Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight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

Occupancy Scenario
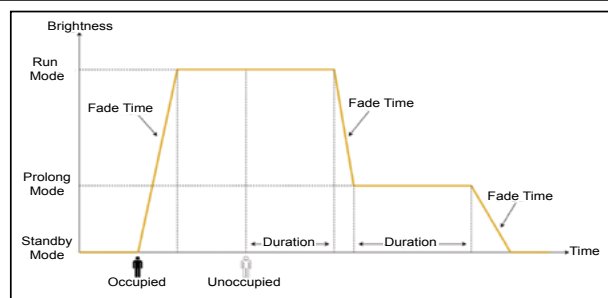
Vacancy Scenario
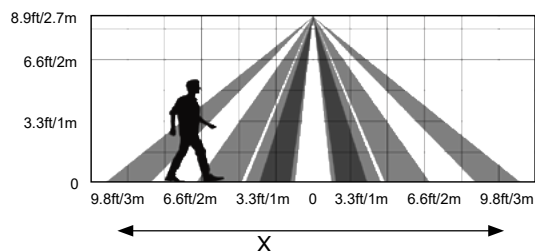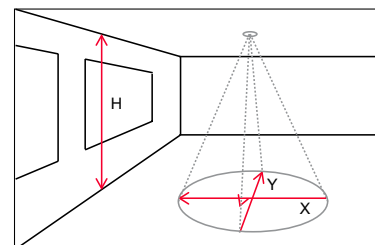

Occupancy Scenario - with Daylight Harvesting
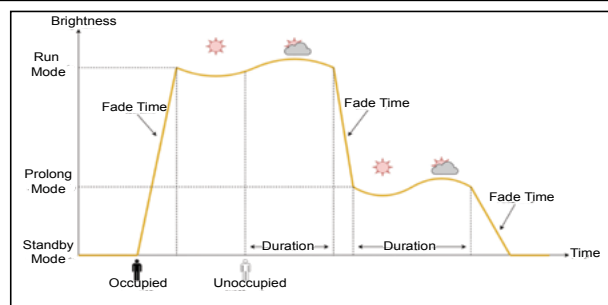
Occupancy Scenario with Manual Override
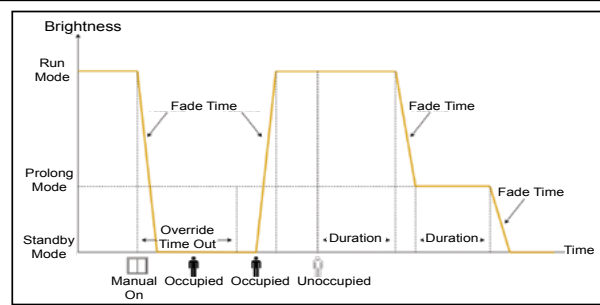
Occupancy Detection Pattern

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

Aleo Lighting, Inc.
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aleo™
LED LIGHTING