



Project	
Notes	
Type	Date
Cat. No.	



LPS-BL™ XE Series

Slim LED Panel Back Lit

DESCRIPTION

The Aleo LPS-BL™ Series LED 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 .

LPS-BL XE Series

2x4 36W

2x2 28W

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.

Rated Life 75,000 hours
Limited Warranty 7-years
Efficacy Up to 127 LPW
Continuous Dimming



Ordering Information

Example: LPS-BL-24LE-36/840 XE G4

LPS-BL	24	LE	36	8	40	[Blank]	[Blank]
Series LPS Slim LED Panel - Back Lit	Form Factor 24 2'x4' 22 2'x2'	Lumen Package LE Low Wattage	Nominal Wattage 2'x4' 36 36W 2'x 2' 28 28W	CRI 8 80+	Color Temp 40 4000K 50 5000K	Input Voltage Blank 120V-277V	Dimming Blank 0-10V Continuous Dimming
[Options]							
		Emergency Backup EM700 700lm EM1400 1400lm EM2000 2000lm	Controls WLC/BT AleoBlue Wireless Bluetooth Lighting Control Node WLC/BTEZ-B SimpliBlue Wireless Control Node				

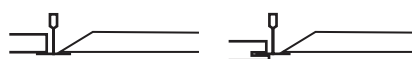
Specifications and Dimensions subject to change without notice.

Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	> 125 LPW (typ.)
CRI	83+, R9 > 0
Available CCT ¹	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)	4000K		5000K	
			Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
2' x 2'	LPS-BL-22LE-28 XE G4	28	3528	126	3556	127
2' x 4'	LPS-BL-24LE-36 XE G4	36	4536	126	4572	127



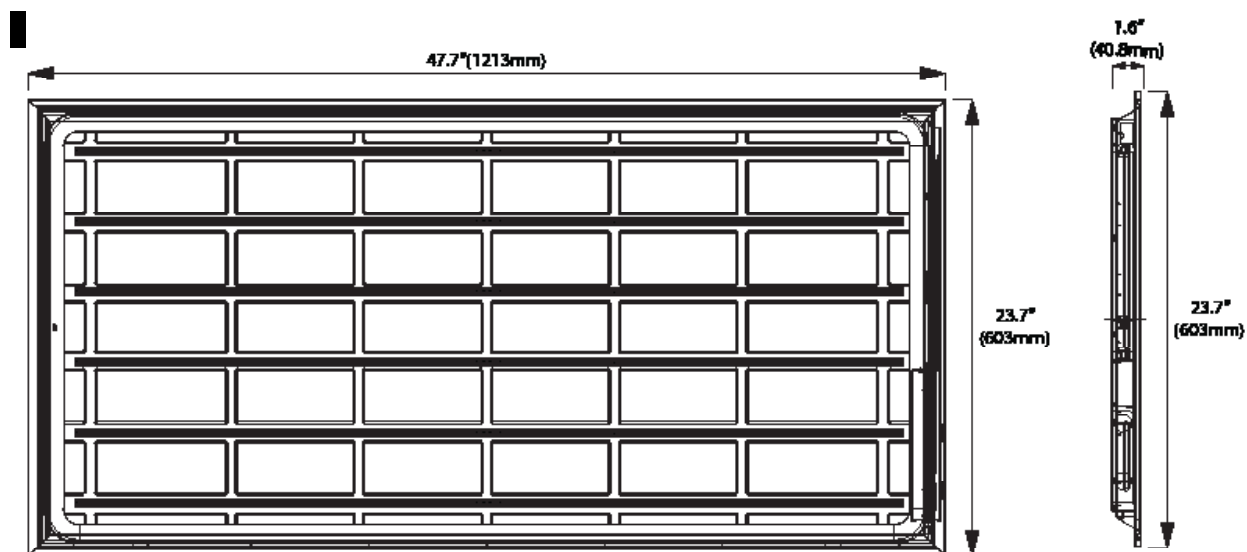
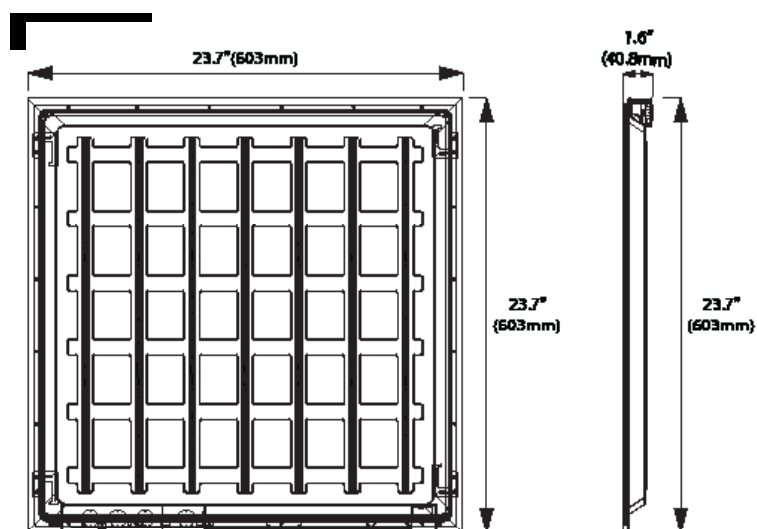
NOTES:

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.

Product Dimensions



DLC QPL Data

QPL Model No.	Product ID	Technical Req.	Classification	Primary Use
LPS-BL-22LE-28/835 XE G4	PLB89M9T3ZK8	4.4	Premium	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
LPS-BL-22LE-28/840 XE G4	PL1JSHAWXJ0P	4.4	Premium	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
LPS-BL-22LE-28/850 XE G4	PLBAH3TQ01UU	4.4	Premium	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
LPS-BL-24LE-36/835 XE G4	PL91RY0JV1VU	4.4	Premium	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
LPS-BL-24LE-36/840 XE G4	PLNXQMARMBGK	4.4	Premium	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
LPS-BL-24LE-36/850 XE G4	PLFUHZ6Z7XIH	4.4	Premium	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces

Specifications and Dimensions subject to change without notice.



AleoBlue Wireless Bluetooth Controls



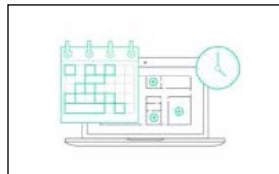
The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth Mesh lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

DLC NLC Qualified.

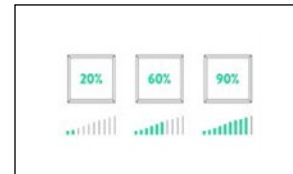
Features and Benefits

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

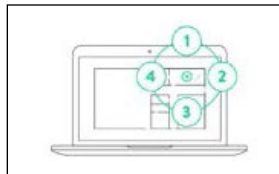
Scheduling



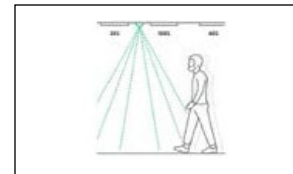
High and Low End Trim



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 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



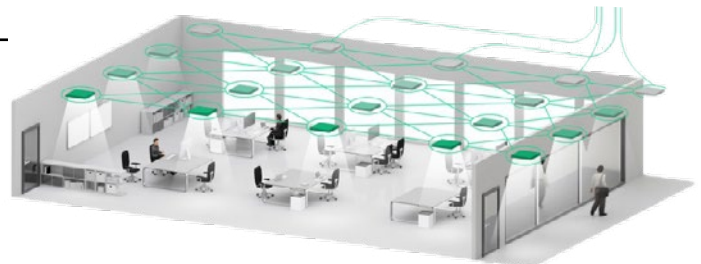
The most advanced encryption standards as well as the cutting-edge device authentication

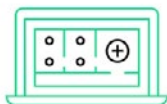


No single point of failure (no central device)



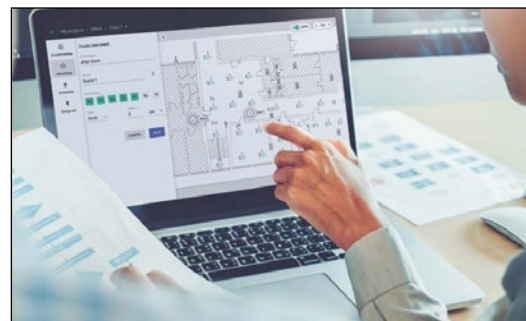
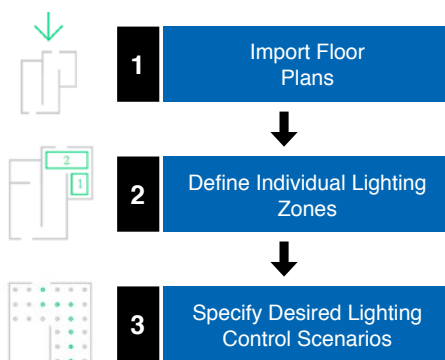
Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth 4.0 and Bluetooth 5)





Planning

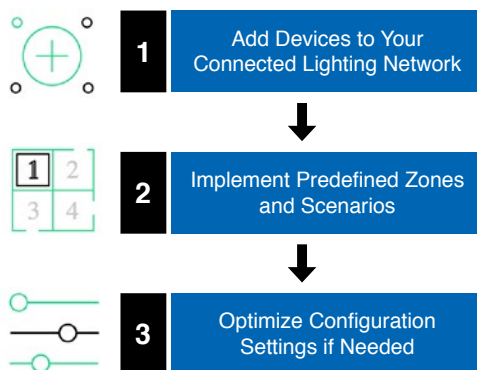
Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



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

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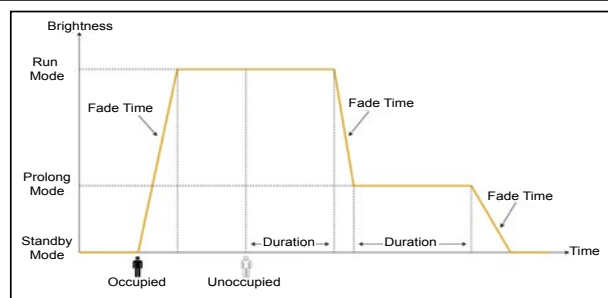
Lighting Control Scenarios

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.

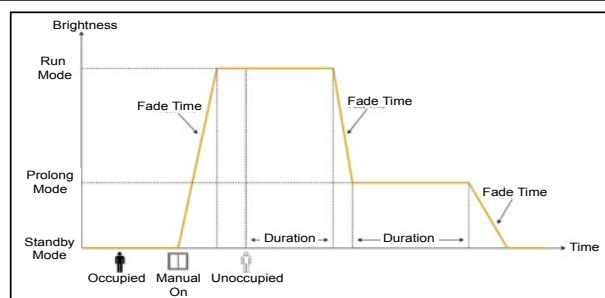


Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight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

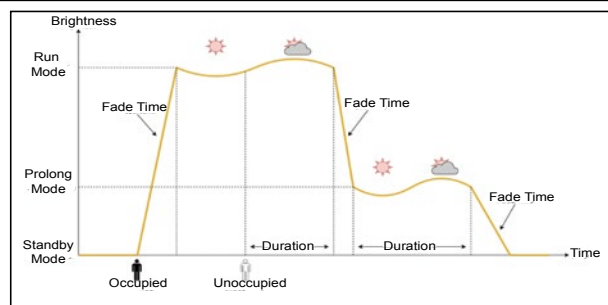
Occupancy Scenario



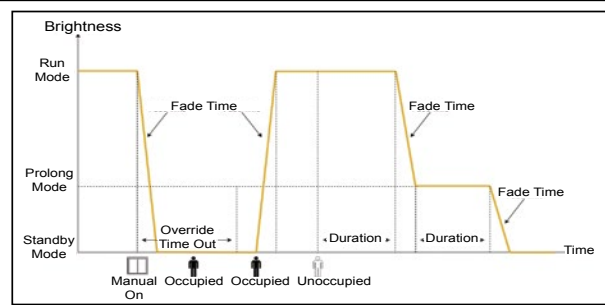
Vacancy Scenario



Occupancy Scenario - with Daylight Harvesting



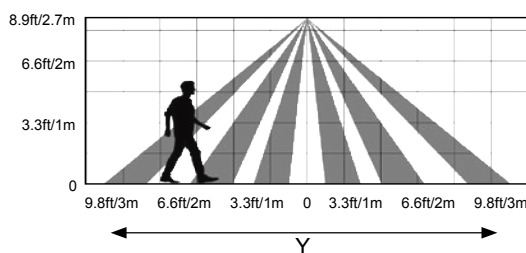
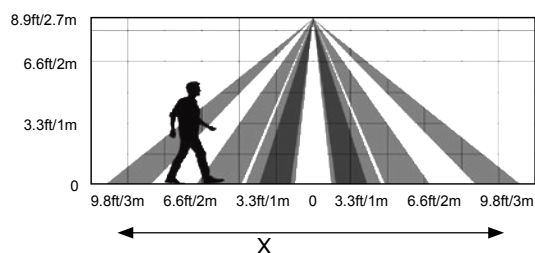
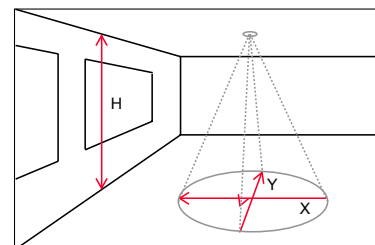
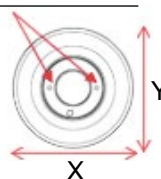
Occupancy Scenario with Manual Override



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



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