



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



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

**[Options]**

<b>Emergency Backup<sup>1</sup></b> <b>EM1400</b> 1400lm (ships separate, partially field-installed) See Pg. 3 for more information	<b>Controls</b> <b>WLC/BT</b> AleoBlue Wireless Bluetooth Lighting Control Node
---	--

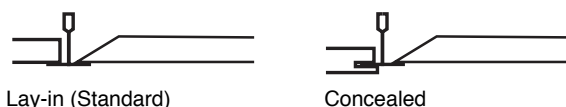
Specifications and Dimensions subject to change without notice.

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 <sup>1</sup>	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



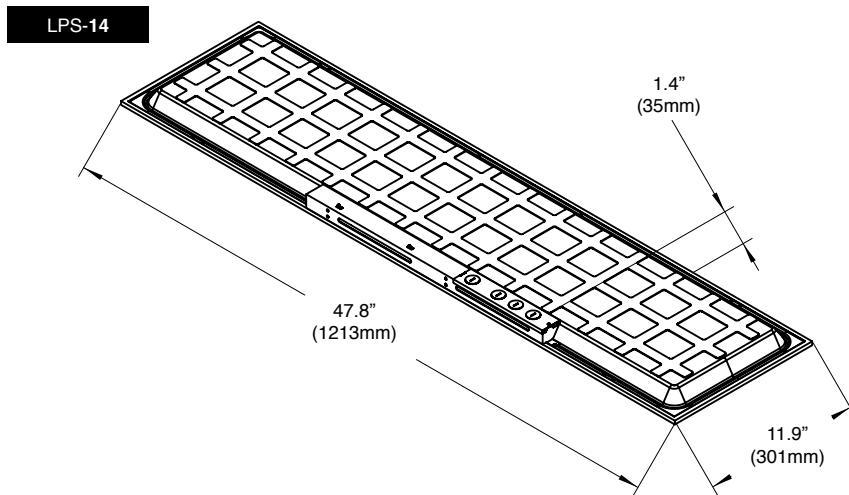
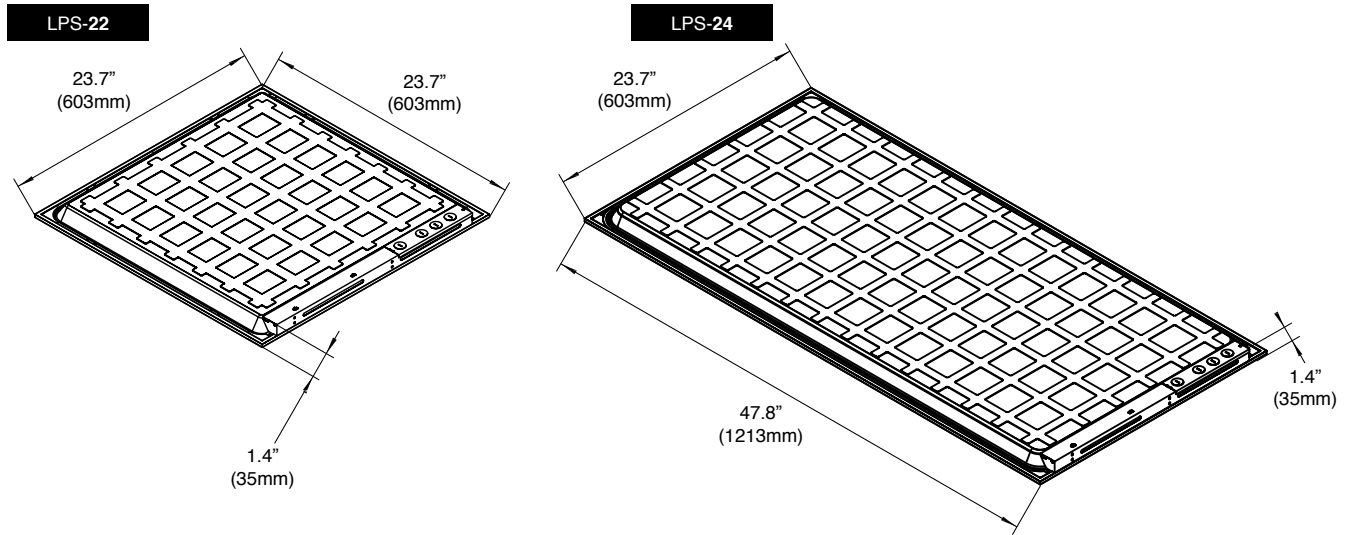
NOTES:

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

Specifications and Dimensions subject to change without notice.

Product Dimensions

MOQ Carton Qty: 4



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

Specifications and Dimensions subject to change without notice.

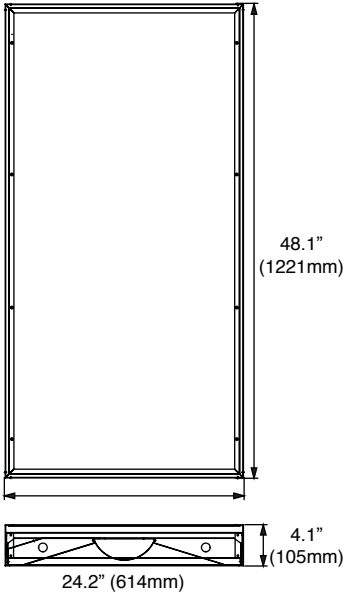
Accessory Options

Surface Mount Kits



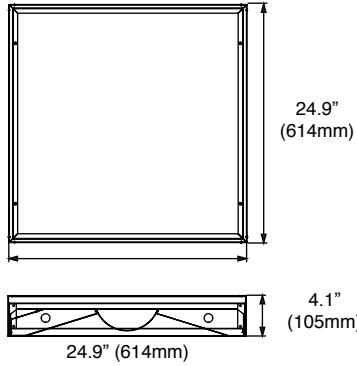
**SMK-24 ECO**

Surface Mount Kit for 2'x4' troffer or panel



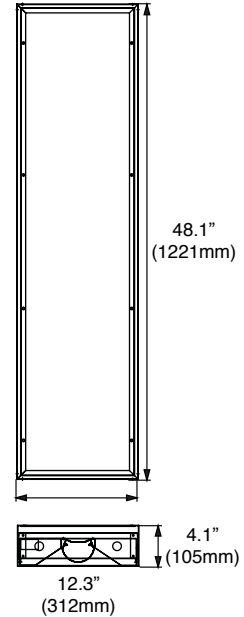
**SMK-22 ECO**

Surface Mount Kit for 2'x2' troffer or panel



**SMK-14 ECO**

Surface Mount Kit for 1'x4' troffer or panel

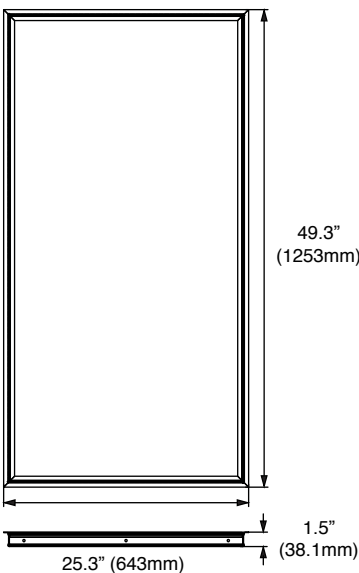


Flange Kits



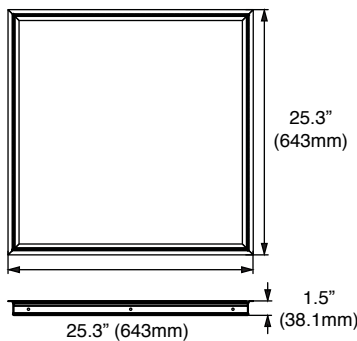
**FK-LT-24**

Flange Kit for 2'x4' troffer or panel



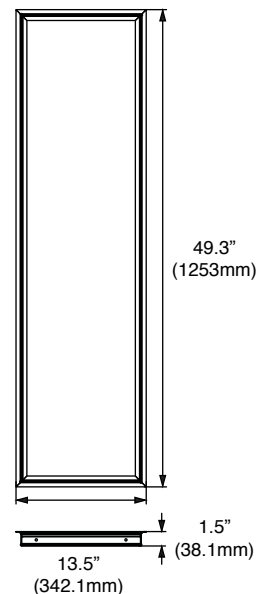
**FK-LT-22**

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.



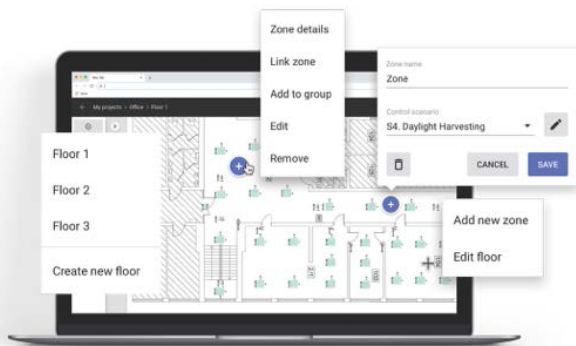
## AleoBlue Wireless Bluetooth Controls

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.

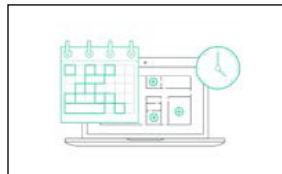
### Features and Benefits

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

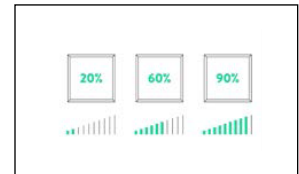


- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility

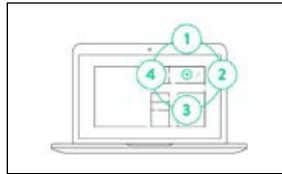
#### Scheduling



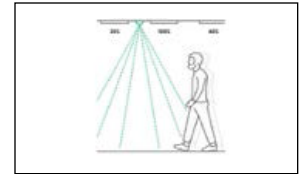
#### High and Low End Trim



#### 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



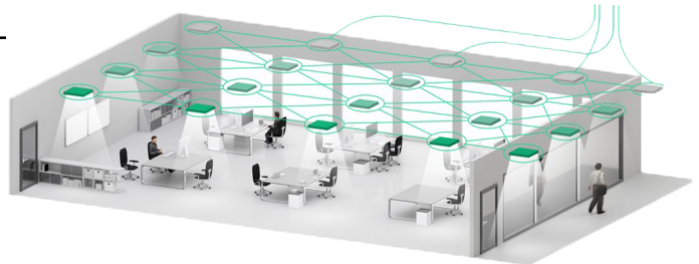
The most advanced encryption standards as well as the cutting-edge device authentication

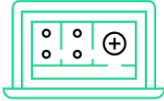


No single point of failure (no central device)



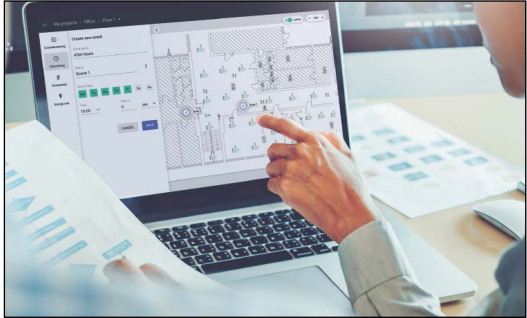
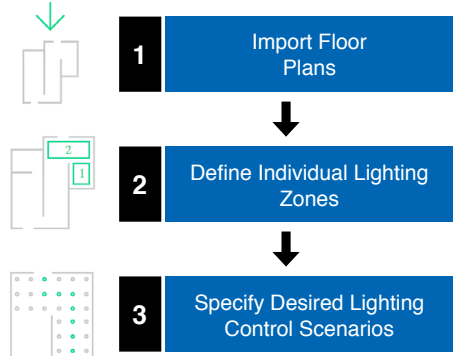
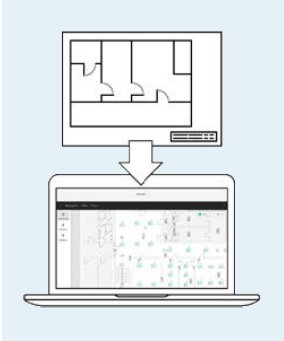
Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth 4.0 and Bluetooth 5)





**Planning**

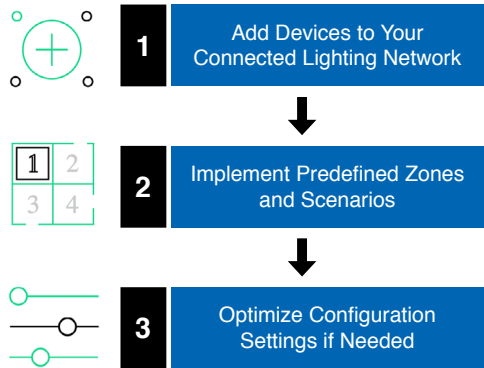
Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



**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 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.

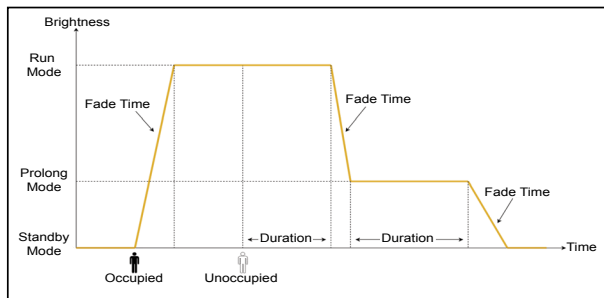
## Lighting Control Scenarios

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.

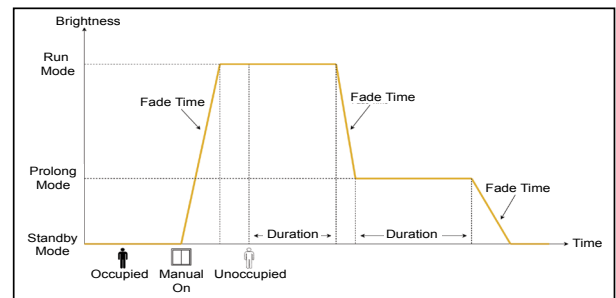


Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight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

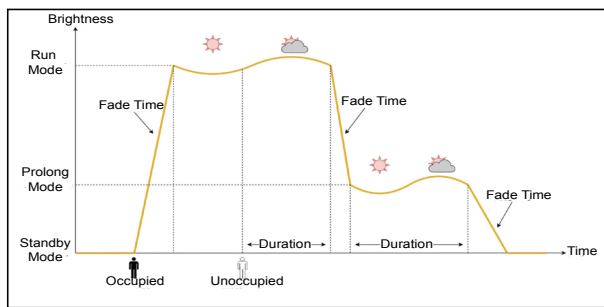
### Occupancy Scenario



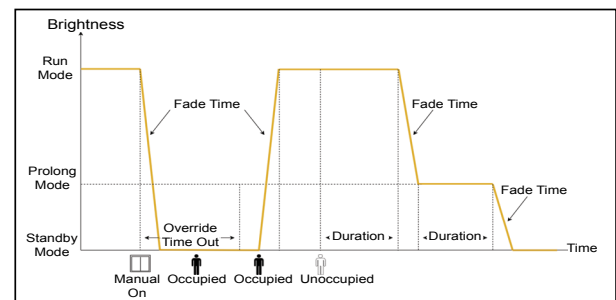
### Vacancy Scenario



### Occupancy Scenario - with Daylight Harvesting



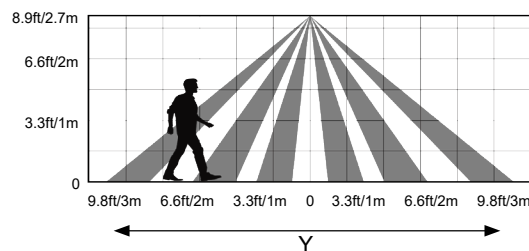
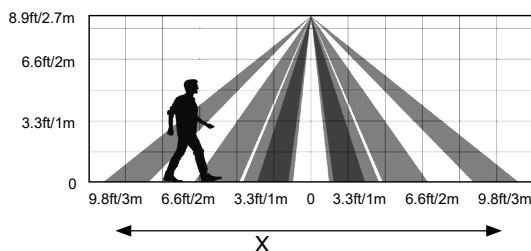
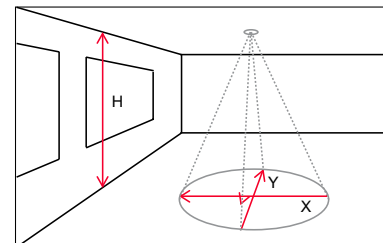
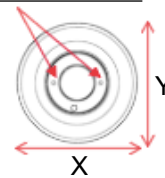
### Occupancy Scenario with Manual Override



## 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



© 2025 Aleo Lighting, Inc. All rights reserved. For informational purposes only. Reproduction in whole or part is prohibited without prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequences of its use. Aleo Lighting reserves the rights make changes in specification at any time without notice.

Aleo Lighting, Inc.  
 www.aleolighting.com  
 10988 Bloomfield Ave.  
 Santa Fe Springs, CA 90670  
 Ph: 877-358-8825

aleo™  
 LED LIGHTING