

Project	
Notes	
Type	Date
Cat. No.	

LPA™ XE 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-ceilings, shared working spaces, conference rooms, libraries.



LPA Series	
4'	30W, 33W
8'	60W, 66W



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 PMMA diffuser lens.

Certification

ETL Listed. DLC Premium.

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 or surface-mount options via mounting clips. Comes standard with 8' aircraft hanging kit and canopy kit. Comes equipped standard with 8' white SO cord.

Controls / Dimming

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

Rated Life 75,000 hours
Limited Warranty 7-years
Efficacy Up to 140 LPW
Continuous Dimming



Quick Ship

LPA-DR-4HE-30/835 WH
LPA-DR-8HE-60/835 WH
LPA-IND-4LE-33/835 WH
LPA-IND-8LE-66/835 WH
LPA-DR-4HE-30/840 WH
LPA-DR-8HE-60/840 WH
LPA-IND-4LE-33/840 WH
LPA-IND-8LE-66/840 WH

Ordering Information

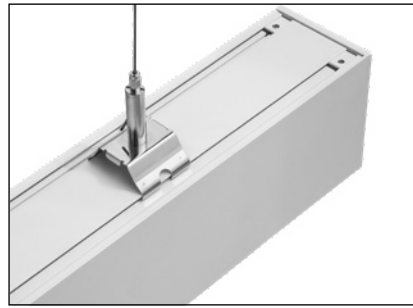
Example: LPA-IND-4LE-33/835 WH

LPA	IND	4	LE	8	35	[Blank]	WH
Series LPA Linear Architectural Pendant	Light Distribution DR - Direct (100% Down Light) IND - Direct/Indirect (30% Up and 70% Down Light)	Form Factor 4 4' 8 8'	Lumen Package HE High Lumen LE Low Wattage	CRI 8 80+	Color Temp 35 3500K 40 4000K	Dimming Blank 0-10V Continuous Dimming	Finish Color WH - White (Comes Standard) BLK - Black (Made to order) SLV - Silver (Made to order)
Options							
Controls WLC/BT Wireless Bluetooth Lighting Control Node							

Specifications and Dimensions subject to change without notice.

Performance Summary

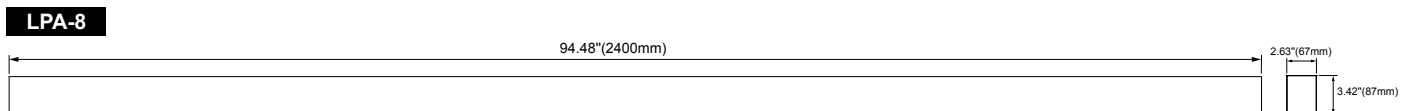
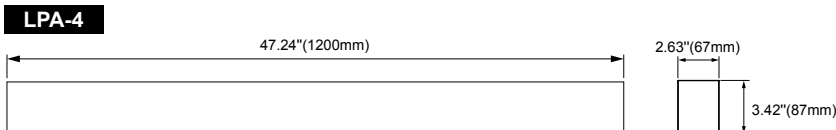
Input Voltage	120V-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	> 125 LPW (typ.)
CRI	80+
Available CCT ¹	3500K, 4000K
Color Consistency ²	< 19
Rated Life	75,000 hrs.
L70 ³	60,000 hrs.
Power Factor	> 0.9
THD	< 15%
Dimming	0-10V Continuous
Operating Temp.	-20°C - 50°C



Performance Data

Form Factor	Catalog No.	Rated Wattage (W)	3500K		4000K	
			Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
4'	LPA-DR-4HE-30/8xxK	29	3915	135	4060	140
	LPA-IND-4LE-33/8xxK	33	4455	135	4620	140
8'	LPA-DR-8HE-60/8xxK	57	7695	135	7980	140
	LPA-IND-8LE-66/8xxK	66	9240	140	9372	142

Product Dimensions



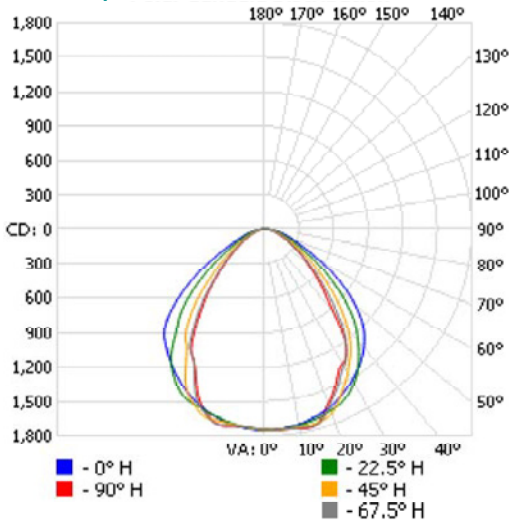
Specifications and Dimensions subject to change without notice.

Photometric Data

LPA-DR-4HE-30/830

Tested in accordance to IESNA LM-79

Polar Graph



Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-30	1,363.4	37%
0-40	2,160	58.7%
0-60	3,290.8	89.3%
60-90	380.1	10.3
70-100	142.9	3.9%
90-120	2.7	0.1%
0-90	3,670.9	99.7%
90-180	12.3	0.3%
0-180	3,683.1	100%

Coefficients of Utilization

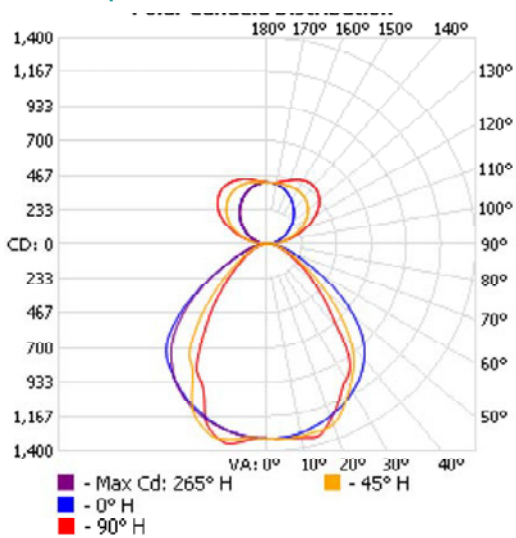
EFFECTIVE FLOOR CAVITY REFLECTANCE: 20%

RCC%	80				70				50		
	70	50	30	0	70	50	30	0	50	30	20
RCR											
0	1.18	1.18	1.18	1.18	1.14	1.14	1.14	.94	.08	1.08	1.08
1	1.06	1.00	.95	.91	1.02	.97	.93	.76	.92	.88	.85
2	.96	.87	.79	.73	.92	.84	.77	.63	.80	.74	.69
3	.87	.76	.67	.60	.84	.74	.66	.53	.70	.63	.57
4	.79	.67	.58	.51	.77	.65	.56	.45	.62	.54	.49
5	.73	.59	.50	.43	.70	.58	.49	.39	.55	.48	.42
6	.67	.53	.44	.38	.65	.52	.43	.34	.50	.42	.36
7	.62	.48	.39	.33	.60	.47	.39	.31	.45	.38	.32
8	.58	.44	.35	.29	.56	.43	.35	.27	.41	.34	.29
9	.54	.40	.32	.26	.52	.40	.32	.25	.38	.31	.26
10	.51	.37	.29	.24	.49	.36	.29	.22	.35	.28	.23

LPA-IND-4LE-33/830

Tested in accordance to IESNA LM-79

Polar Graph



Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-30	1,040.2	23.7%
0-40	1,644.8	37.5%
0-60	2,498.9	57%
60-90	299.6	6.8%
70-100	151.8	3.5%
90-120	406.5	9.3%
0-90	2,798.6	63.8%
90-180	1,587.0	36.2%
0-180	4385.5	100%

Coefficients of Utilization

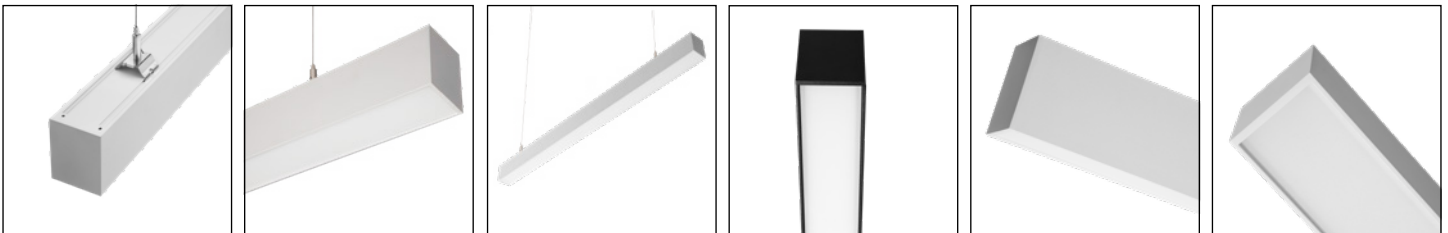
EFFECTIVE FLOOR CAVITY REFLECTANCE: 20%

RCC%	80				70				50		
	70	50	30	0	70	50	30	0	50	30	20
RCR											
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11
1	1.11	1.07	1.03	1.00	1.08	1.04	1.01	.88	1.00	.98	.95
2	1.02	.95	.89	.85	1.00	.93	.88	.77	.90	.85	.82
3	.94	.85	.78	.73	.92	.84	.77	.68	.81	.75	.71
4	.87	.77	.69	.63	.85	.75	.68	.60	.73	.67	.62
5	.81	.70	.61	.56	.79	.68	.61	.53	.66	.60	.55
6	.75	.63	.55	.49	.73	.62	.55	.48	.61	.54	.49
7	.70	.58	.50	.44	.69	.57	.49	.43	.56	.49	.44
8	.66	.49	.41	.36	.64	.52	.45	.39	.51	.44	.40
9	.61	.49	.41	.36	.60	.48	.41	.36	.47	.41	.36
10	.58	.45	.38	.33	.57	.45	.38	.33	.44	.37	.33

DLC QPL Data



QPL Model No.	Product ID	Technical Req.	Classification	Primary Use
LPA-DR-4HE-30/830	PLA0UII1DSN7	4.4	Premium	Direct Linear Ambient Luminaires
LPA-DR-4HE-30/835	PLYAFFZY5J9F	4.4	Premium	Direct Linear Ambient Luminaires
LPA-DR-4HE-30/840	PL9ZVOVW80ZN	4.4	Premium	Direct Linear Ambient Luminaires
LPA-DR-4HE-30/850	PL5J3W4YZJZ6	4.4	Premium	Direct Linear Ambient Luminaires
LPA-IND-4LE-33/830	PL6DG20KBUND	4.4	Premium	Direct Linear Ambient Luminaires
LPA-IND-4LE-33/835	PL2DJ3K9M2F9	4.4	Premium	Direct Linear Ambient Luminaires
LPA-IND-4LE-33/840	PL647CL93D05	4.4	Premium	Direct Linear Ambient Luminaires
LPA-IND-4LE-33/850	PLSB5WS6OCM2	4.4	Premium	Direct Linear Ambient Luminaires
LPA-DR-8HE-60/830	PLIO3G9A4265	4.4	Premium	Direct Linear Ambient Luminaires
LPA-DR-8HE-60/835	PLVDT7OOGDJH	4.4	Premium	Direct Linear Ambient Luminaires
LPA-DR-8HE-60/840	PLPDLUB7XY3P	4.4	Premium	Direct Linear Ambient Luminaires
LPA-DR-8HE-60/850	PLD7MLWTWR1H	4.4	Premium	Direct Linear Ambient Luminaires
LPA-IND-8LE-66/830	PL87ES3KVYDY	4.4	Premium	Direct Linear Ambient Luminaires
LPA-IND-8LE-66/835	PLQMC95IGI13	4.4	Premium	Direct Linear Ambient Luminaires
LPA-IND-8LE-66/840	PLO1U30XEMI7	4.4	Premium	Direct Linear Ambient Luminaires
LPA-IND-8LE-66/850	PLO4PHASWSPY	4.4	Premium	Direct Linear Ambient Luminaires



NOTES:

- ¹ Quick ship: 4000K. Other CCTs may require a lead time or be special order
- ² Typical color consistency. May vary or be changed.
- ³ 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.



AleoBlue Wireless Bluetooth Controls

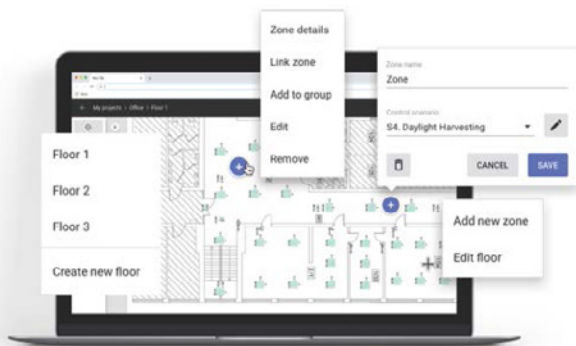


The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth Mesh lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

DLC NLC Qualified.

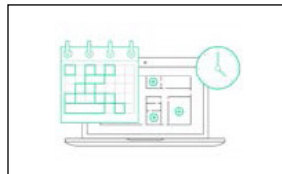
Features and Benefits

- 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

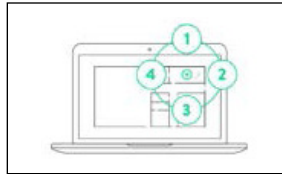
Scheduling



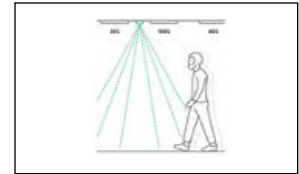
High and Low End Trim



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



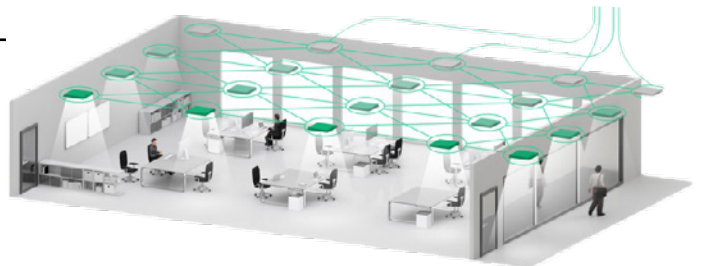
The most advanced encryption standards as well as the cutting-edge device authentication

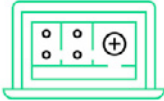


No single point of failure (no central device)



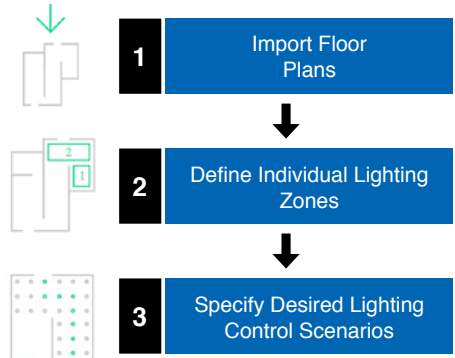
Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth 4.0 and Bluetooth 5)





Planning

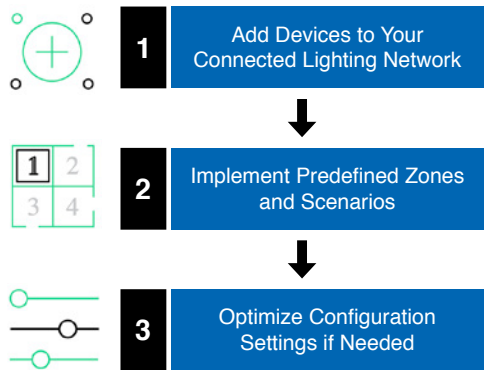
Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



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

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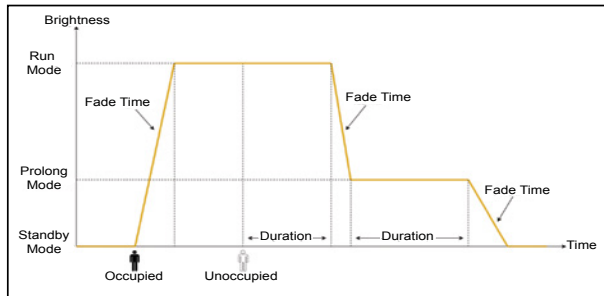
Lighting Control Scenarios

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.

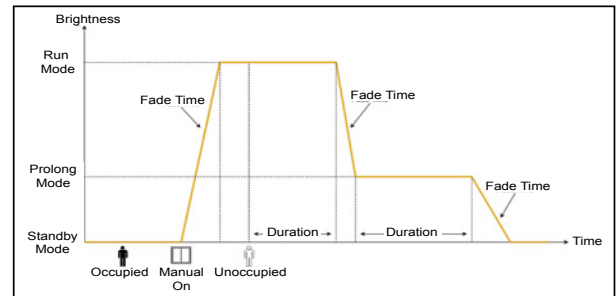


Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight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

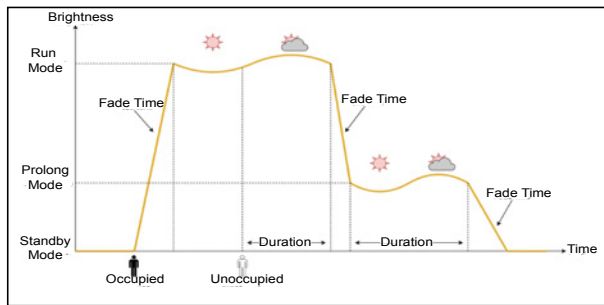
Occupancy Scenario



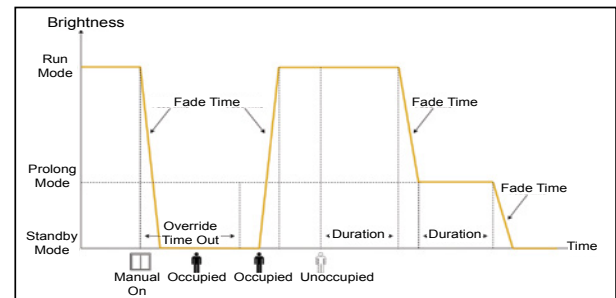
Vacancy Scenario



Occupancy Scenario - with Daylight Harvesting



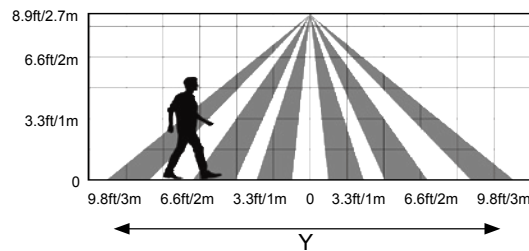
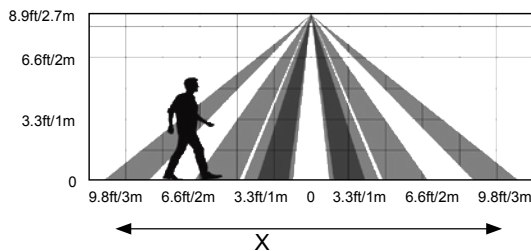
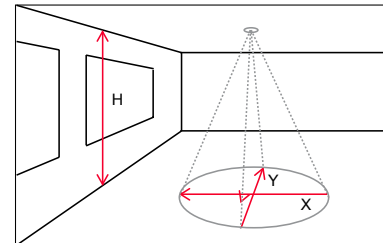
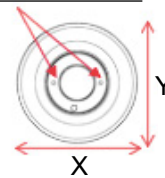
Occupancy Scenario with Manual Override



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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LED LIGHTING