

Project	
Notes	
Type	Date
Cat. No.	

WPL™ UX Series

Full Cut-Off LED Wall Pack Luminaire



DESCRIPTION

The Aleo WPL™ UX G4 Series combines energy-efficiency, advanced optical control, and modern slim profile aesthetics to deliver enhanced performance to outdoor wall-mount lighting applications. Rugged die-cast housing provides advanced thermal management for long life and weather-proof compartment to withstand challenging, outdoor environments.

APPLICATIONS

Outdoor wall-mount applications. Building facade, Retail, Commercial, Industrial Exteriors

Specification Features



Construction

Rugged, die-cast housing with advanced thermal management system ensures reliability and durability. Weather-proof, gasketed driver compartment protects electronics against environmental elements.

Optical System

Precision-formed optical lens system improves safety and security by delivering high-efficiency illumination with precise optical distribution. Type III Med. Distribution comes standard.

Certification

UL Listed. All components have safety certification.

Warranty

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

Installation / Mounting

Luminaire comes standard mounting plate for quick and easy installation.

Electrical

Luminaire utilizes high-efficacy LED packages maintained at cool temperatures for long life, high efficacy. Reliable driver features universal voltage (120-277V) for convenient installation.

Controls / Dimming

Suitable for use with sensors and daylight harvesting to achieve deeper energy-savings and code compliance. Comes Standard with built-in dusk-to-dawn photocell.

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 inside the housing.

WPL UX Series
40W 24W/30W/40W
100W 60W/75W/80W /100W

Rated Life 75,000 hours
Limited Warranty 7-years
Efficacy Up to 154 LPW
Continuous Dimming



Quick Ship
WPL-40UX/CT G4
WPL-100UX/CT G4

Ordering Information

Example: WPL-40UX/CT G4

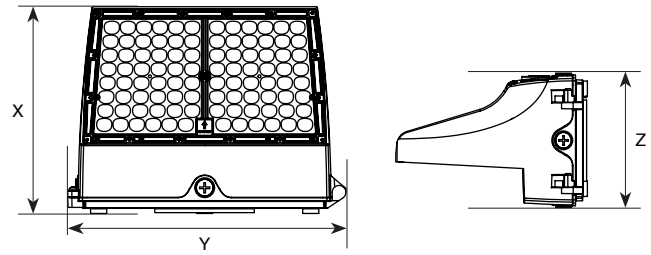
WPL	40	UX	CT	[Blank]	G4
Series	Nominal Max. Wattage	Lumen Package	Color Temp	Input Voltage	Generation
WPL Full Cut-Off LED Wall Pack Luminaire	40 24W/30W/40W 100 60W/75W/80W/100W	UX Field Adjustable Wattage	CT Field Adjust. 3000K 4000K 5000K	Blank 120V-277V	G4
[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
Controls	Emergency Backup		Finish Color		
OSDL/BT AleoBlue Wireless Bluetooth Occupancy Sensor	EM700 700lm		Blank	Dark Bronze	RAL#8019
OSDL/IR Multi-Level Occ. Sensor w/ wireless config.			WH	White	RAL#9003
OSDL/HF/IR Multi-Level High Frequency Occupancy Sensor			BLK	Black	RAL#9011
OSDL/BTEZ SimpliBlue Bluetooth PIR Occ. Sensor w/ Daylight			SLV	Silver	RAL#9006
See Pg. 2 for Sensor Details			* Contact Factory for additional finish colors. Any finish color other than Dark Bronze is a custom color with associated adder cost and lead time		

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	Up to 154 LPW (typ.)
CRI	70+, R9 > 0
Available CCT¹	3000K, 4000K, 5000K
Rated Life	75,000 hours
Power Factor	> 0.9
THD	< 20%
Controls	Multi-level controls available
IP Rating	IP65
Operating Temp.	-40°C to 50°C

Product Dimensions



Catalog No.	Depth (X)	Length (Y)	Height (Z)
WPL-40UX/CT	8.03" (204mm)	9.80" (249mm)	6.00" (152mm)
WPL-100UX/CT	9.53" (242mm)	12.80" (325mm)	6.38" (162mm)

Performance Data

Catalog No.	Rated Wattage (W)	3000K		4000K		5000K	
		Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
WPL-40UX/CT G4	24	3,456	144	3,696	154	3,576	149
	30	4,290	143	4,560	152	4,440	148
	40	5,680	142	6,000	150	5,880	147
	60	8,520	142	9,360	156	8,880	148
WPL-100UX/CT G4	75	10,575	141	11,550	154	11,025	147
	80	11,200	140	12,160	152	11,680	146
	100	13,900	139	15,000	150	14,500	145

DLC QPL Data

DLC QPL Model No.	Product ID.	Technical Req.	Classification	Primary Use
WPL-40UX/CT G4	S-AEC46Z	5.1	Premium	Outdoor Full-Cutoff Wall-Mounted Area Luminaires
WPL-100UX/CT G4	S-T1B53R	5.1	Premium	Outdoor Full-Cutoff Wall-Mounted Area Luminaires



Sensors Options



Catalog No.	Description	Ordering	Shipping	Remote Control	Sensor Mounting
OSDL/BT	AleoBlue Multi-level Wireless Bluetooth Occupancy Sensor	Order with Model No.	Factory Installed	AleoBlue App	Side-mount w/ Elbow Receptacle
OSDL/IR	Multi-level Occ. Sensor with Daylight Function	Order with Model No.	Factory Installed	SRC-A01	Side-mount w/ Elbow Receptacle
OSDL/HF/IR	Wireless Bluetooth High Frequency Occ. Sensor	Order with Model No.	Factory Installed	SRC-A01	Side-mount w/ Elbow Receptacle
OSDL/BTEZ	SimplBlue Bluetooth PIR Occ. Sensor w/ Daylight	Order with Model No.	Factory Installed	SimplBlue App	Side-mount w/ Elbow Receptacle



AleoBlue Wireless Bluetooth Controls

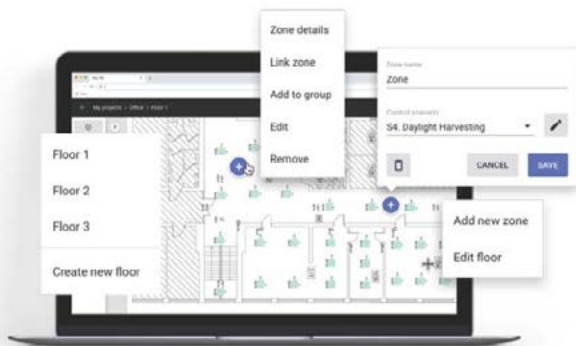


The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth Mesh lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

DLC NLC Qualified.

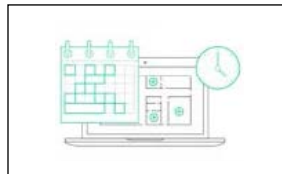
Features and Benefits

- 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

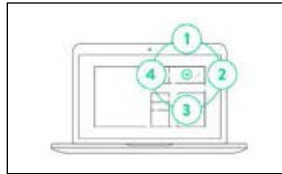
Scheduling



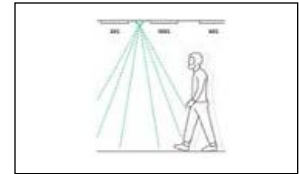
High and Low End Trim



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



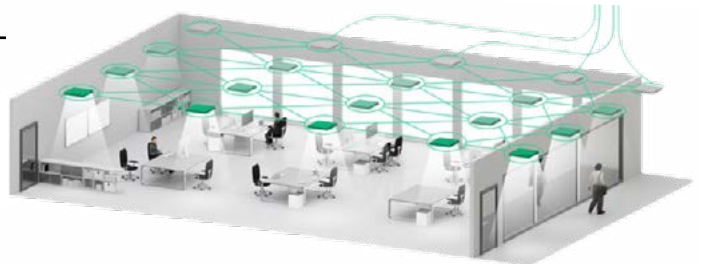
The most advanced encryption standards as well as the cutting-edge device authentication

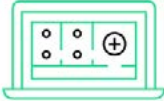


No single point of failure (no central device)



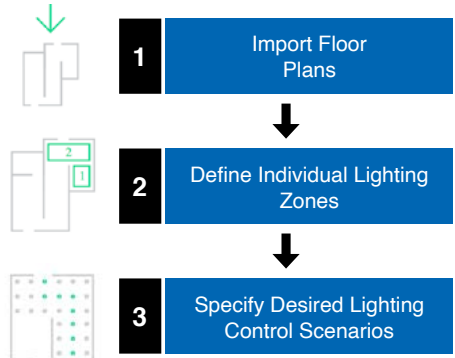
Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth 4.0 and Bluetooth 5)





Planning

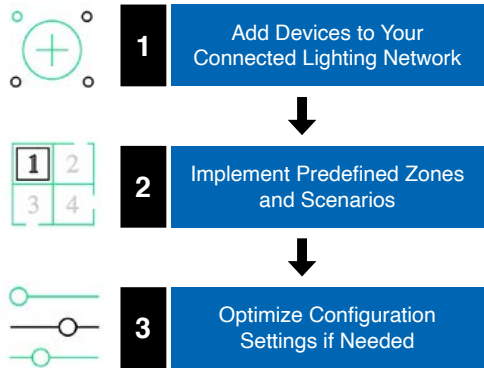
Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



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 Occupancy Sensor
Model: -OSDL/BT



aleoBlue Gateway
Model: SGW-101

Specifications and Dimensions subject to change without notice.

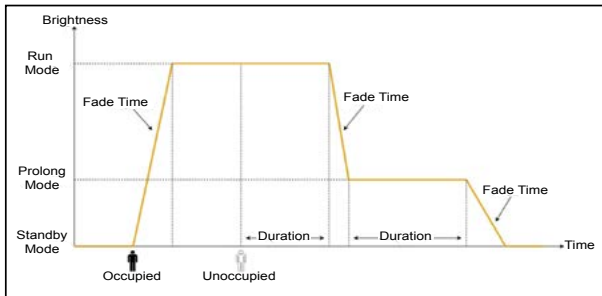
Lighting Control Scenarios

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.

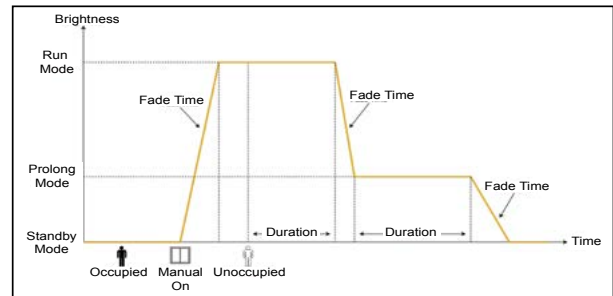


Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight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

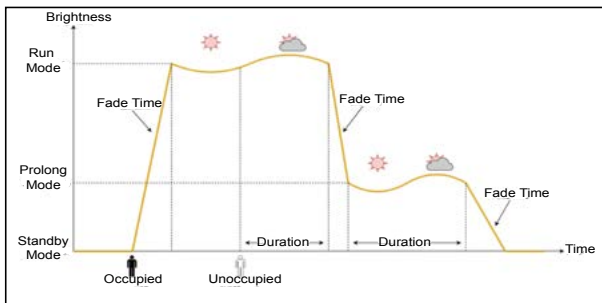
Occupancy Scenario



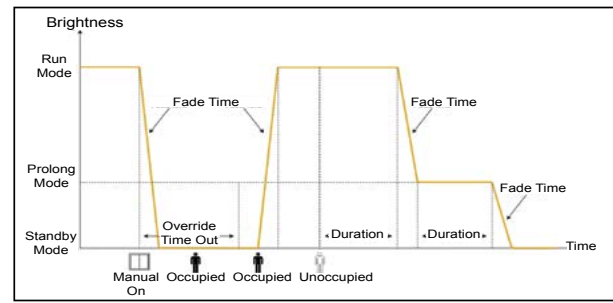
Vacancy Scenario



Occupancy Scenario - with Daylight Harvesting



Occupancy Scenario with Manual Override



Occupancy Detection Pattern

