

ALX™ Series

LED Area Luminaire




DESCRIPTION

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

APPLICATIONS

Parking lots, walkways, auto dealerships, outdoor retail shopping centers, recreational spaces, campuses.

ALX™ SERIES

150W
300W

QUICK SHIP

ALX-150UX/CT (SR/RC) ALX-300UX/CT HV (SR/RC)
ALX-300UX/CT (SR/RC) ALX-150UX/CT (SR/RC) WH
ALX-150UX/CT HV (SR/RC) ALX-300UX/CT (SR/RC) WH

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 reduces glare and improves safety and security by delivering high-efficiency illumination with precise optical distribution. Type III distribution comes standard. Type II, III, IV and V available.
- CERTIFICATION**
UL Listed. All components have UL certification. DLC QPL Premium.
- ELECTRICAL**
Luminaire utilizes high-efficacy LED packages maintained at cool temperatures for long life, high efficacy. Reliable driver features universal voltage (120-277V) and high voltage (227-480V) for convenient installation.
- INSTALLATION / MOUNTING**
Luminaire comes standard with universal mounting adapter. Versatile platform includes different mounting options, including: straight arm, trunion, slip-fitter, yoke mount and rotatable pole-mount.
- CONTROLS / DIMMING**
Suitable for use with sensors and photocells to achieve deeper energy-savings and code compliance. Comes standard with receptacle for plug and play occupancy sensor or 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 outside the housing.
- WARRANTY**
7-year Limited Warranty. See warranty documentation for more information.

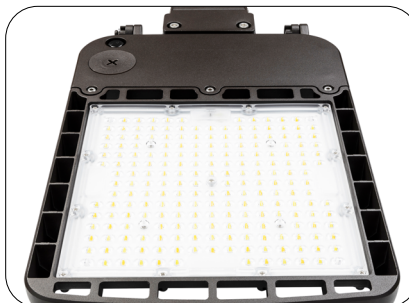
ORDERING INFORMATION

EXAMPLE: ALX-150UX/CT HV (SR/RC)

ALX	150		UX	CT		HV		Options	
Series	Nominal Wattage		Lumen Package	Color Temp		Input Voltage		(SR/RC)	Controls
ALX Slim LED Area Luminaire	150 300	70W / 100W / 150W 200W / 250W / 300W	UX Field Adjustable Wattage	CT Adjustable CCT 3000K / 4000K / 5000K AMBR ¹ Amber Spectrum		Blank HV	120V-277V 277V-480V	(SR/RC) Sensor Ready w/ Sensor Receptacle	See Pg. 6 for details
[Blank]		[Blank]			[Blank]			Options	
Distribution Type		Mounting (Sold Separately)			Finish Color			Designation	
Blank	Type III	ALX-ASA	Straight Arm	Blank	Dark Bronze	RAL#8019	BAA	Buy American Act Compliant	
T2	Type II	ALX-ASA ECO	Straight Arm	WH	White	RAL#9016			
T4	Type IV	ALX-ASF	Slip Fitter						
T5	Type V	ALX-ASR	Rotatable Straight Arm						
		ALX-AUB	Adjustable Trunnion						
Any distribution type other than Type III is a custom optic with associated adder cost and lead time		ALX-YOK-S	Yoke Mount (Small)	Contact Factory for additional finish colors. Any finish color other than Dark Bronze and White is a custom color with associated adder cost and lead time			BABAA	Build America, Buy America Act Compliant	
		ALX-YOK-L	Yoke Mount (Large)						

¹ Made to order option with associated lead time. Not stocked as Quick Ship.

Specifications and Dimensions subject to change without notice.



PERFORMANCE SUMMARY

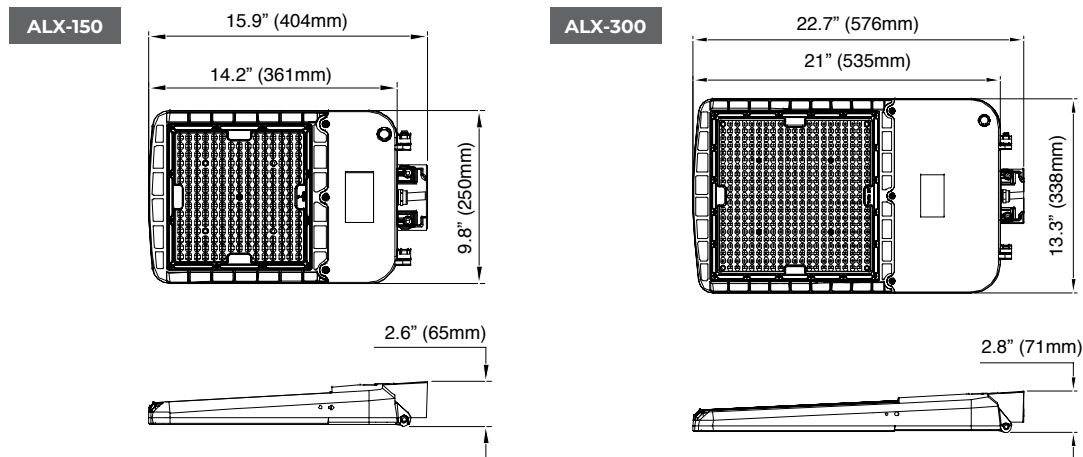
Input Voltage	120V-277V, 277V-480V	Rated Life	75,000 hours
Input Frequency	50/60 Hz	Power Factor	> 0.9
Rated Wattage	See Performance Table	THD	< 20%
Delivered Lumens	See Performance Table	Controls	Plug N Play Sensors
Efficacy	> 130 LPW (typ.)	IP Rating	IP65
CRI	70+	Operating Temp.	-40°C to 45°C
Available CCT	3000K/4000K/5000K	Surge Protection	6KV

PERFORMANCE DATA

Catalog No.	Rated Wattage (W)	Tested Wattage (W)	3000K		4000K		5000K	
			Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
ALX-150UX/CT (SR/RC)	70	67.4	9,436	140.0	10,608	157.4	9,887	146.7
	100	96.3	13,347	138.6	15,003	155.8	13,982	145.2
	150	144.5	19,825	137.2	22,296	154.3	20,779	143.8
ALX-150UX/CT HV (SR/RC)	70	66.6	9,410	141.3	10,622	159.5	10,316	154.9
	100	95.2	13,318	139.9	15,032	157.9	14,603	153.4
	150	142.8	19,777	138.5	22,319	156.3	21,691	151.9
ALX-300UX/CT (SR/RC)	200	201.1	27,570	137.1	30,506	151.7	28,355	141.0
	240	241.3	32,744	135.7	36,243	150.2	33,685	139.6
	300	301.6	40,535	134.4	44,847	148.7	41,681	138.2
ALX-300UX/CT HV (SR/RC)	200	197.1	26,805	136.0	30,176	153.1	29,742	150.9
	240	236.5	31,856	134.7	35,853	151.6	35,333	149.4
	300	295.6	39,433	133.4	44,369	150.1	43,719	147.9

¹ IMPORTANT: THE BATTERY MUST BE RECHARGED EVERY THREE (3) MONTHS. IF NOT RECHARGED ACCORDINGLY, BATTERY MAY FAIL AND VOID WARRANTY
Specifications and Dimensions subject to change without notice.

PRODUCT DIMENSIONS



DLC QPL DATA



QPL Model No.	Product ID	Technical Req.	Classification	Primary Use
ALX-150UX/CT (SR/RC)	S-TFOE8Z	5.1	Premium	Outdoor Pole/Arm-Mounted Area and Roadway Luminaires
ALX-150UX/CT HV (SR/RC)	S-CPNR5Q	5.1	Premium	Outdoor Pole/Arm-Mounted Area and Roadway Luminaires
ALX-300UX/CT (SR/RC)	S-1GCORK	5.1	Premium	Outdoor Pole/Arm-Mounted Area and Roadway Luminaires
ALX-300UX/CT HV (SR/RC)	S-5V273G	5.1	Premium	Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

BUG RATING

Model No.	System Watts	Dist. Type	B	U	G
ALX-150UX/CT	70W/100W/150W	II	4	0	4
ALX-300UX/CT	200W/250W/300W	II	5	0	5
ALX-150UX/CT	70W/100W/150W	III	3	0	3
ALX-300UX/CT	200W/250W/300W	III	4	0	4
ALX-150UX/CT	70W/100W/150W	IV	3	0	3
ALX-300UX/CT	200W/250W/300W	IV	5	0	4
ALX-150UX/CT	70W/100W/150W	V	4	0	4
ALX-300UX/CT	200W/250W/300W	V	5	0	5

Specifications and Dimensions subject to change without notice.



PRODUCT OPTIONS

SENSOR OPTIONS

Catalog No.	Description	Ordering	Shipping	Remote Control
AB-SPIR-FM-DVB-BLK	AleoBlue, Wireless Bluetooth® PIR Occ Sensor w/ Daylight Harvesting, 12V DC input, Plug and Play 3.5mm port, 40ft high bay lens, 300ft range, Black	Order and Ship Separately	Field Install (Plug/Play)	AleoBlue App
EFS07-AUX	Multi-level Passive Infrared Occ Sensor w/ Photocell Function, Plug and Play 3.5mm port, IR remote setting, comes w/ HBL1 lens	Order and Ship Separately	Field Install (Plug/Play)	SRC-A01
PC-PP1-DC300	Photocell Sensor, Plug and Play 3.5mm port	Order and Ship Separately	Field Install (Plug/Play)	SRC-A01

*Any exterior lighting design with AleoBlue controls should be reviewed by Aleo's technical team to ensure proper mesh network quality, unless previously trained by Aleo. Please send designs to tech.support@aleoighting.com.

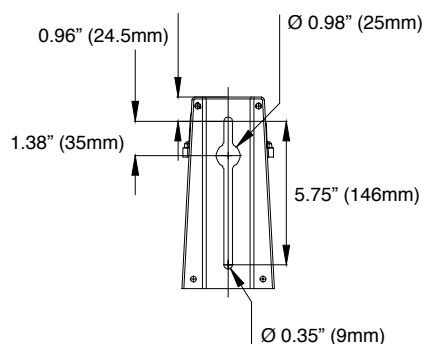


AB-SPIR-FM-DVB-BLK

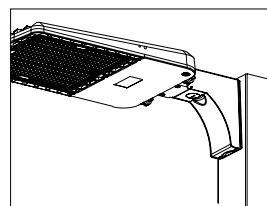
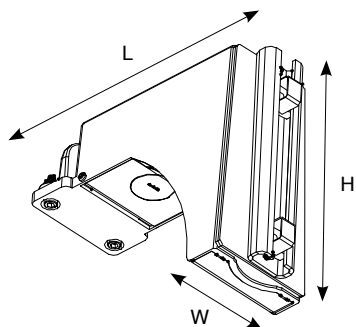
MOUNTING OPTIONS

Catalog No.	Description	L	W	H	Ordering	Shipping
ALX-ASA	Straight Arm Mount	9.14" (232.1mm)	3.7" (94mm)	7.68" (195mm)	Order and Ship Separately	Field Install

ALX-ASA Drill Pattern



ALX-ASA Dims



Compatible with Square Poles & Round Poles

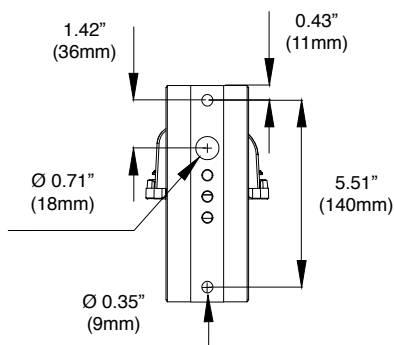


ALX-ASA

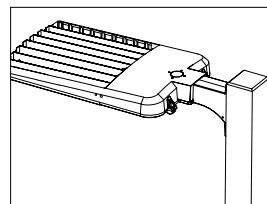
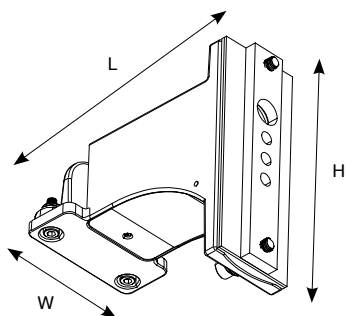
Specifications and Dimensions subject to change without notice.

Catalog No.	Description	L	W	H	Ordering	Shipping
ALX-ASA ECO	Straight Arm Mount ECO	6.59" (167.3mm)	3.62" (92.1mm)	6.38" (162mm)	Order and Ship Separately	Field Install

ALX-ASA ECO Drill Pattern



ALX-ASA ECO Dims



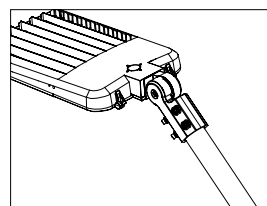
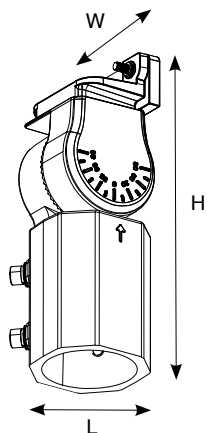
Compatible with Square Poles & Round Poles



ALX-ASA ECO

Catalog No.	Description	L	W	H	Ordering	Shipping
ALX-ASF	Slip Fitter	3.07" (78mm)	3.59" (91.2mm)	9.1" (231mm)	Order and Ship Separately	Field Install

ALX-ASF Dims



Compatible with Round Tenon

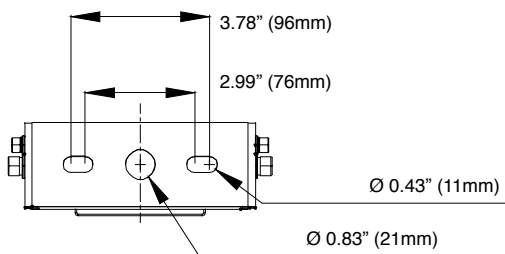


ALX-ASF

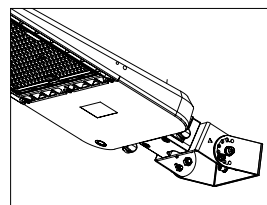
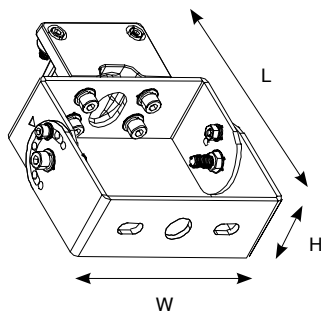
Specifications and Dimensions subject to change without notice.

Catalog No.	Description	L	W	H	Ordering	Shipping
ALX-AUB	U-Bracket Trunion	7.36" (186.9mm)	6.3" (160mm)	2.55" (62mm)	Order and Ship Separately	Field Install

ALX-AUB Drill Pattern



ALX-AUB Dims



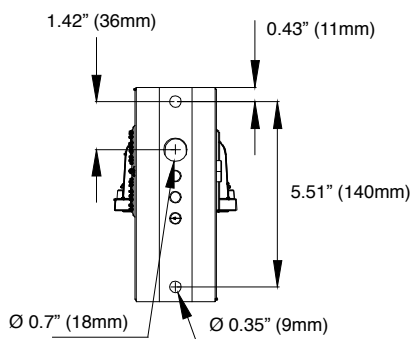
ALX-AUB



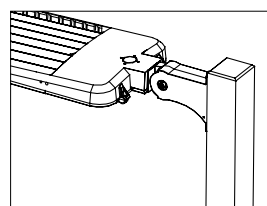
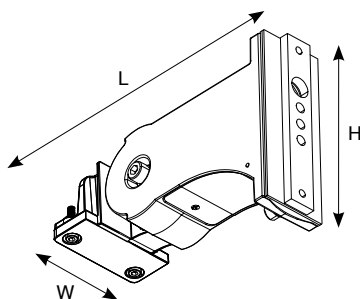
ALX-AUB

Catalog No.	Description	L	W	H	Ordering	Shipping
ALX-ASR	Rotatable Pole-Mount	9.34" (237.2mm)	3.62" (92.2mm)	6.38" (162mm)	Order and Ship Separately	Field Install

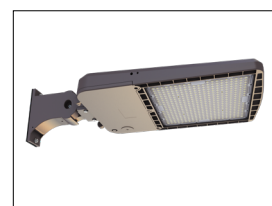
ALX-ASR Drill Pattern



ALX-ASR Dims



Compatible with Square Poles
& Round Poles

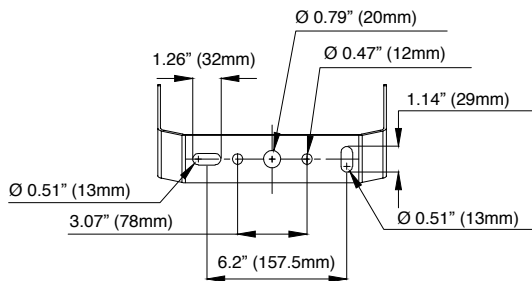


ALX-ASR

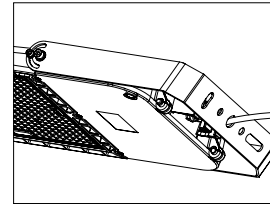
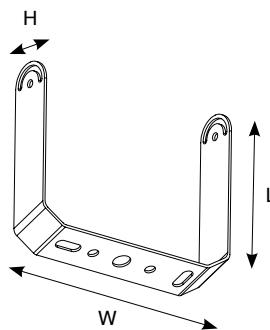
Specifications and Dimensions subject to change without notice.

Catalog No.	Description	L	W	H	Ordering	Shipping
ALX-YOK-S	Yoke Mount (Small)	8.19" (208mm)	10.12" (257mm)	1.97" (50mm)	Order and Ship Separately	Field Install
ALX-YOK-L	Yoke Mount (Large)	11.54" (293mm)	13.58" (345mm)	1.97" (50mm)	Order and Ship Separately	Field Install

ALX-YOK-x Drill Pattern



ALX-YOK-x Dims



ALX-YOK-x

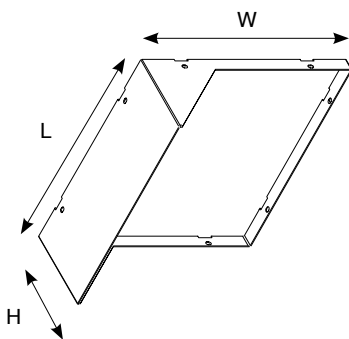


ALX-YOK-x

BACKSHIELD OPTIONS

Catalog No.	Description	L	W	H	Ordering	Shipping
ALX-BKSHLD-S	Area Light Glare Shield Accessory Kit for ALX Series, 150W. Dark Bronze	8.35" (212mm)	8.35" (212mm)	3.15" (80mm)	Order and Ship Separately	Field Install
ALX-BKSHLD-L	Area Light Glare Shield Accessory Kit, for ALX Series, 300W. Dark Bronze	11.65" (296mm)	11.65" (296mm)	3.15" (80mm)	Order and Ship Separately	Field Install

ALX-BKSHLD-x Dims



ALX-BKSHLD-x



ALX-BKSHLD-x



ALX-BKSHLD-x

aleoblue™

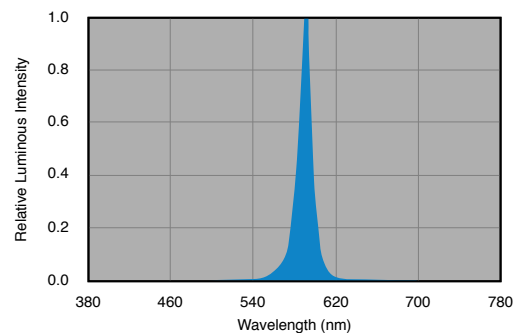
LOOKING FOR ADDITIONAL **ALEOBLUE CONTROL DEVICES?**

Enhance your lighting system with optional AleoBlue control devices designed to expand functionality and simplify installation. [Click here](#) or scan the QR code to view all currently available options.

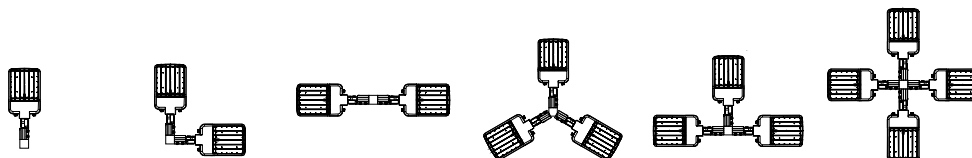


AMBER SPECTRUM OPTION

Catalog No.	Rated Wattage (Max.)	Delivered Lumens (lm)	Efficacy (lumens/W)
ALX-150UX/AMBR XE G4 (SR/RC)	150	14,566	97
ALX-300UX/AMBR XE G4 (SR/RC)	300	28,375	95



EPA RATING



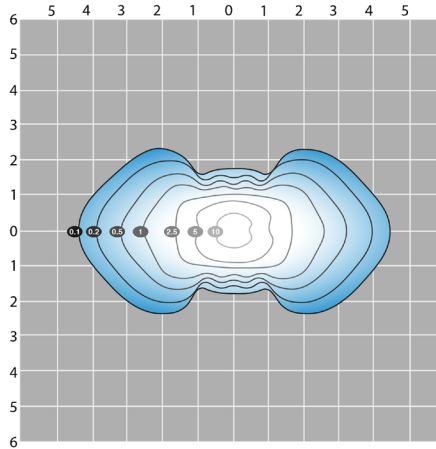
		1	2 @ 90°	2 @ 180°	3 @ 120°	3 @ 90°	4 @ 90°
Model No.	Model No.	EPA Rating					
ALX-ASF	ALX-150	0.47	0.68	0.95	1.26	1.15	1.15
	ALX-300	0.68	1.18	1.37	1.98	1.86	1.86
ALX-ASR	ALX-150	0.58	0.79	1.18	1.58	1.39	1.39
	ALX-300	0.81	1.11	1.65	2.16	1.95	1.95
ALX-ASA	ALX-150	0.54	0.74	1.02	1.33	1.21	1.21
	ALX-300	0.74	1.24	1.46	2.04	1.92	1.92
ALX-ASA ECO	ALX-150	0.49	0.69	0.98	1.29	1.18	1.18
	ALX-300	0.71	1.12	1.42	1.93	1.81	1.81

Specifications and Dimensions subject to change without notice.

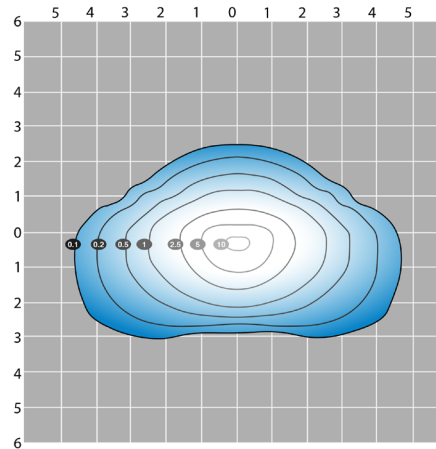
PHOTOMETRIC INFORMATION

150W

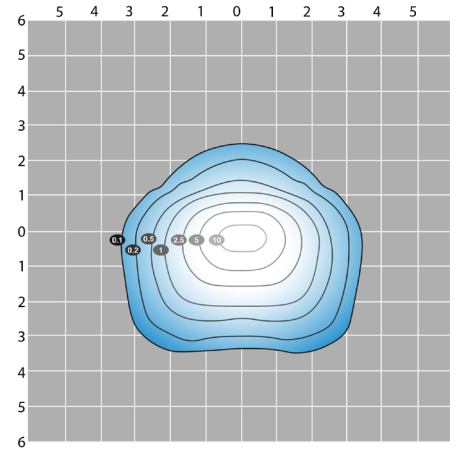
ALX-150UX/CT - T2 - 4000K



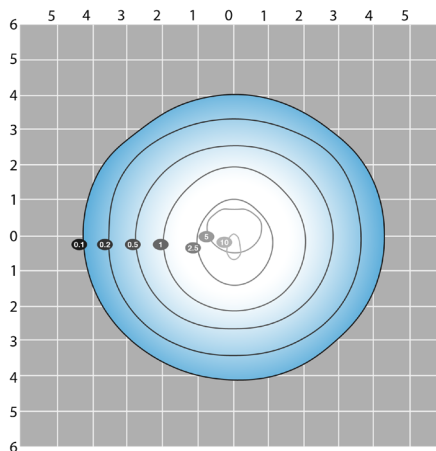
ALX-150UX/CT - T3 - 4000K



ALX-150UX/CT - T4 - 4000K



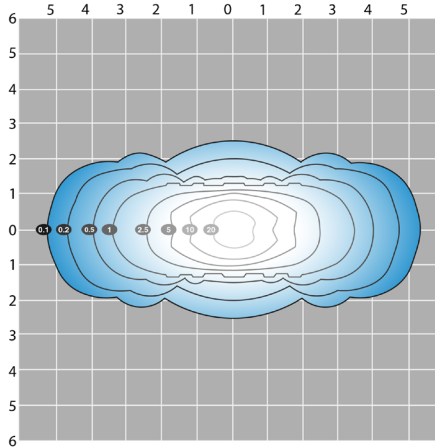
ALX-150UX/CT - T5 - 5000K



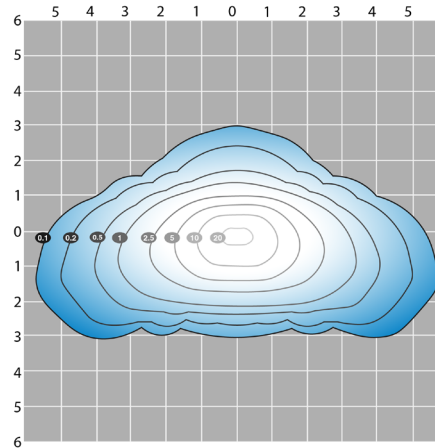
Specifications and Dimensions subject to change without notice.

300W

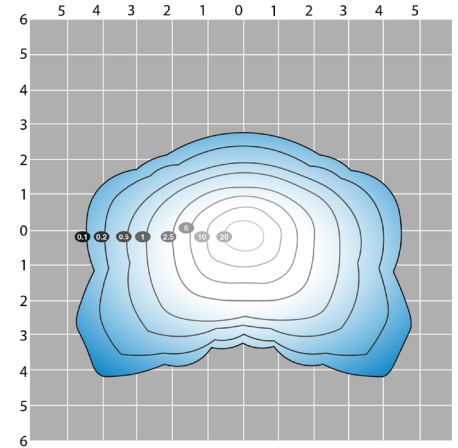
ALX-300UX/CT - T2 - 5000K



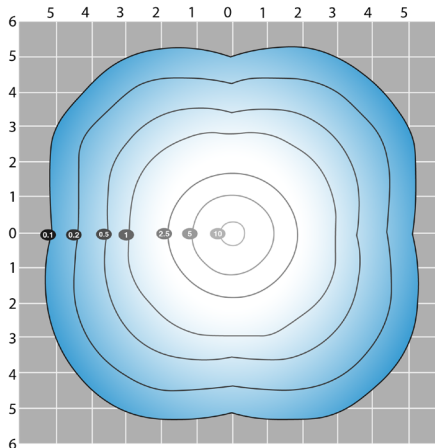
ALX-300UX/CT - T3 - 4000K



ALX-300UX/CT - T4 - 4000K



ALX-300UX/CT - T5 - 4000K



BAA AND BABAA COMPLIANT

BAA - BUY AMERICA ACT COMPLIANT

Complies and Qualifies for projects requiring Buy America Act (BAA) compliant product

BABAA - BUILD AMERICA, BUY AMERICA COMPLIANT

Complies and Qualifies for projects requiring Build America, Buy America Act (BABAA) compliant product

*Note: BAA and BABAA product will require lead times approximately ranging from 12-18 weeks. Contact your Aleo representative for more information



ALEOBLUE WIRELESS BLUETOOTH® CONTROLS

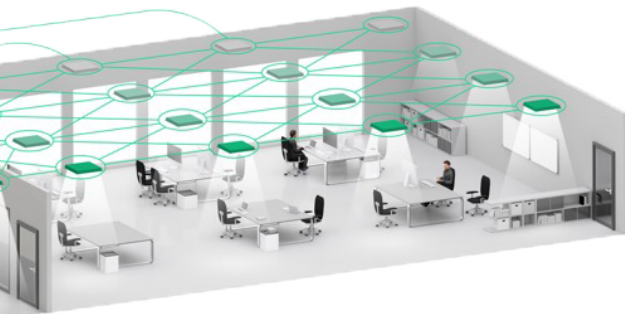


The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth® NLC lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

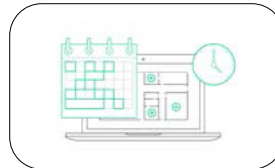
DLC NLC Qualified.

FEATURES AND BENEFITS

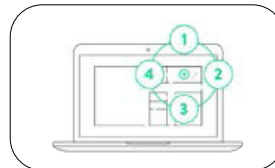
- Lighting Zones / Grouping
- Manual control of individual lights
- On Power up Behavior
- Zone Linking
- High-End Trim
- LLLC (Luminaire Level Lighting Controls)
- Energy Monitoring
- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility
- 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



SCHEDULING



SCENES



BLUETOOTH® NLC 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)

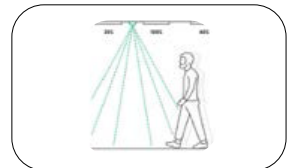


Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth® 4.0 and Bluetooth® 5)

HIGH / LOW END TRIM

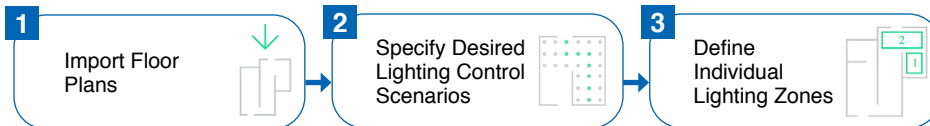


OCCUPANCY SENSING



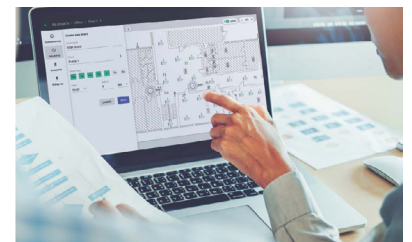
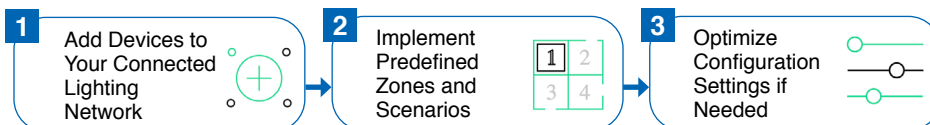
PLANNING

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® NLC 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® NLC Node is in the Unprovisioned Mode until it is provisioned by a "Provisioner", which typically is a smart phone with a Bluetooth® NLC compatible app.