



Project	
Notes	
Type	Date
Cat. No.	

LSX™ G5 SR/RC Series

Super Slim LED Linear Strip Luminaire

DESCRIPTION

The Aleo LSX™ SR/RC G5 Series Super Slim LED Linear Strip Luminaire delivers industry-leading performance with deep energy savings and continuous dimming. Low profile design offers easy handling and storage. This versatile luminaire produces energy-efficient, comfortable illumination for a myriad of applications.

APPLICATIONS

Excellent for general utility applications: Parking garage, warehouse, offices, restrooms, storage units, stairwell.



LSX UX SR/RC Series

4' 40W Max.
8' 65W, 90W Max.

Specification Features

Construction

Integral LED gear tray and reflector with driver on board allows for easy installation and handling. Luminaire features a white durable finish. Diffuser requires no additional frame or fastener for easy installation.

Optical System

Reflector systems features highly reflective coating and delivers 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. UL Class 2. Driver: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2. DLC Premium.

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. Comes equipped with luminaire quick-disconnect.

Installation / Mounting

Strip can be suspended or surface mounted via mounting brackets.

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. Features a built-in sensor box as a standard for plug and play sensors.

Field Adjustable CCT

Increased versatility and reduced inventory burden. Color Temp. can be adjusted in the field by selecting (3) different CCTs via switch on driver.

Rated Life 75,000 hours
Limited Warranty 7-years
Efficacy Up to 130 LPW
Continuous Dimming



Quick Ship

LSX-4-UXH-40/8CT G5-SB (SR/RC)
LSX-8-UXH-65/8CT G5-SB (SR/RC)

Ordering Information

Example: LSX-8-UXH-65/8CT G5-SB (SR/RC)

LSX	8	UXVH	65	8	CT	[Blank]
Series	Form Factor	Lumen Package	Max Wattage	CRI	Color Temp	Dimming
LSX	4 4'	UXH	40 4' - 25W/30W/40W	8 82+	CT Field Adjust.	Blank
Super Slim LED Linear Strip	8 8'	Factory Set	65 8' - 55W/60W/65W		3500K 4000K 5000K	0-10V Continuous Dimming

Options

-SB (SR/RC) Integral Sensor Box and Receptacle	Controls* See Pg. 3 for details on sensors and controls (Sensor Sold Separately)	Emergency Backup¹ EM700 700lm EM1400 1400lm EMLC/DR Emergency Lighting Control Dimming Relay	Designation BAA Buy American Act Compliant BABAA Build America, Buy America Act Compliant
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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	> 130 LPW (typ.)
CRI	82+, R9 > 0
Available CCT ¹	3500K/4000K/5000K
Color Consistency ²	5-step MacAdam Ellipse
Rated Life	75,000 hours
L70 ³	> 72,000 hours
Power Factor	> 0.9
THD	< 20%
Dimming	0-10V Continuous (10-100%)
Operating Temp.	-20°C to 50°C



Sensor Plug and Play - Field Install



aleoblu™

Plug and Play Sensor

Model No. **SPIR-OSDL/BT-PP3-DC220**

AleoBlue, Wireless Bluetooth PIR Occ Sensor w/ Daylight Harvesting, snap-in with quick connector

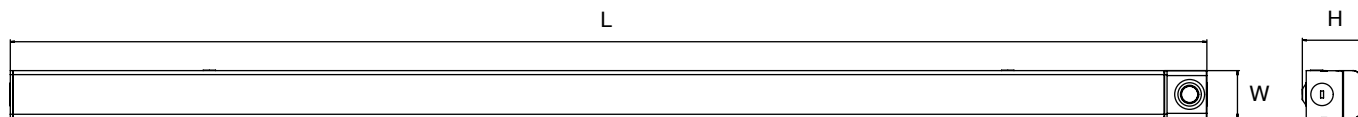
Performance Data

Form Factor	Catalog No.	Rated Wattage (W)	Tested Wattage (W)	3500K		4000K		5000K	
				Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
4'	LSX-4-UXH-40/8CT G5-SB (SR/RC)	25	24	3575	143	3925	157	3650	146
		30	29	4230	141	4650	155	4320	144
		40	39	5400	135	5920	148	5520	138
8'	LSX-8-UXH-65/8CT G5-SB (SR/RC)	55	56	7810	142	8525	155	7975	145
		60	61	8220	137	9000	150	8400	140
		65	66	8775	135	9620	148	8970	138

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.

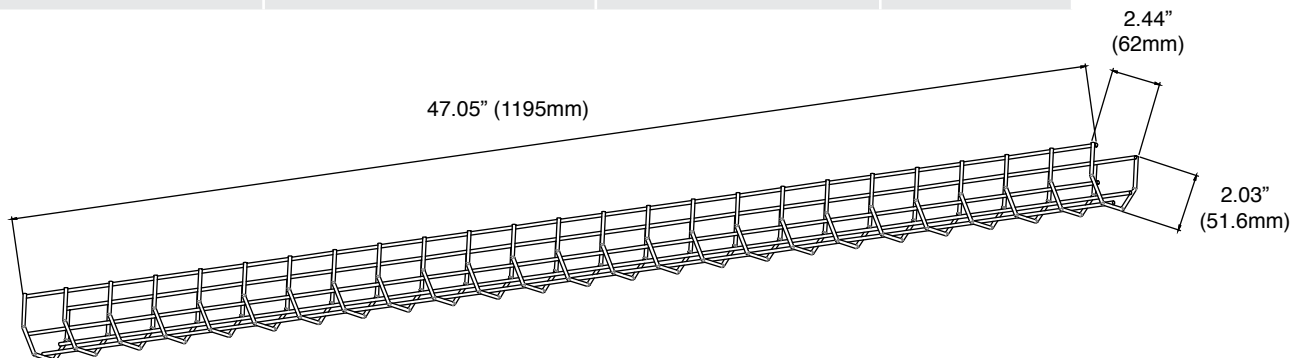
Product Dimensions



Form Factor	Length (L)	Height (H)	Width (W)
4'	47.3" (1202mm)	2.4" (60mm)	1.8" (48mm)
8'	94.2" (2392mm)	2.4" (60mm)	1.8" (48mm)

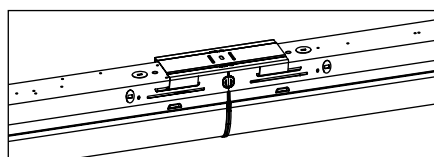
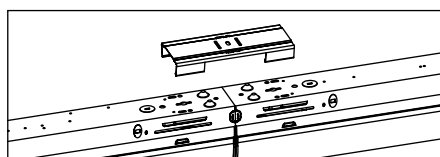
Wire Guard Option

Catalog No.	Description	Ordering	Shipping
LSX-WG-4 G5	Wire Guard for LSX-4 G5	Order and Ship Separately	Field Install



Daisy Chain Bracket Option

Catalog No.	Description	Ordering	Shipping
LSX-DC-BRK G5	Daisy Chain Bracket for LSX G5	Order and Ship Separately	Field Install



Sensors Options



Catalog No.	Description	Ordering	Shipping	Remote Control	Sensor Mounting
SPIR-OSDL/BT-PP3-DC220	AleoBlue Multi-level Wireless Bluetooth Occ Sensor w/ Daylight	Order and Ship Separately	Field Install	AleoBlue App	Sensor Box / End-mount
SPIR-OSDL/BTEZ-PP3-DC-101	SimplBlue Multi-level Wireless Bluetooth Occ Sensor w/ Daylight	Order and Ship Separately	Field Install	SimplBlue App	Sensor Box / End-mount

Specifications and Dimensions subject to change without notice.

Surge Protector Option

Catalog No.	Description	Ordering	Shipping
SP10	10kA Surge Protector	Order with Model No.	Factory Installed

Cord Set Options

Catalog No.	Description	Ordering	Shipping
CRD-A	SO CORD 6' 18/3	Order with Model No.	Partially Factory Installed - Snap-in in the Field
CRD-B	SO CORD 10' 18/3	Order with Model No.	Partially Factory Installed - Snap-in in the Field
CRD-C	SO CORD 12' 18/3	Order with Model No.	Partially Factory Installed - Snap-in in the Field
CRD-D	SO CORD 15' 18/3	Order with Model No.	Partially Factory Installed - Snap-in in the Field
CRD-E	SO CORD 20' 18/3	Order with Model No.	Partially Factory Installed - Snap-in in the Field
CRD-F	SO CORD 25' 18/3	Order with Model No.	Partially Factory Installed - Snap-in in the Field

Plug Options

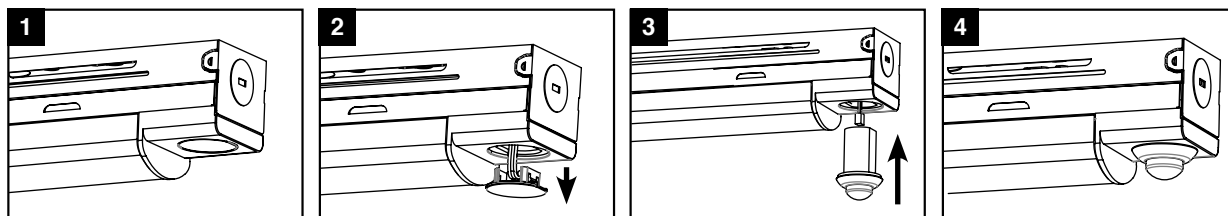
Catalog No.	Description	Ordering	Shipping
PLG-1	Straight plug, 125V, NEMA 5-15P	Order with Model No.	Factory Installed
PLG-2	Twist-lock, 125V, NEMA L5-15P	Order with Model No.	Factory Installed
PLG-4	Twist-lock, 277V, NEMA L7-15P	Order with Model No.	Factory Installed
PLG-5	Twist-lock, 480V, NEMA L8-20P	Order with Model No.	Factory Installed
PLG-6	Twist-lock, 250V, NEMA L6-15P	Order with Model No.	Factory Installed

Mounting Options

Catalog No.	Description	Ordering	Shipping
CHS-105	Jack chain, 40" length (Set of 2)	Order and Ship Separately	Field Install
V-HOOK-LLS	V-hangers, 2 pcs of top mount fixture hangers .135DIA	Order and Ship Separately	Field Install
ACC	Aircraft Cable - 10' 1/16 cable toggle kit with grip lock	Order and Ship Separately	Field Install
ACC-20ft	Aircraft Cable - 20' 1/16 cable toggle kit with grip lock	Order and Ship Separately	Field Install
ACC-25ft	Aircraft Cable - 25' 1/16 cable toggle kit with grip lock	Order and Ship Separately	Field Install

Specifications and Dimensions subject to change without notice.

Sensor Installation



1 Locate the sensor cap.

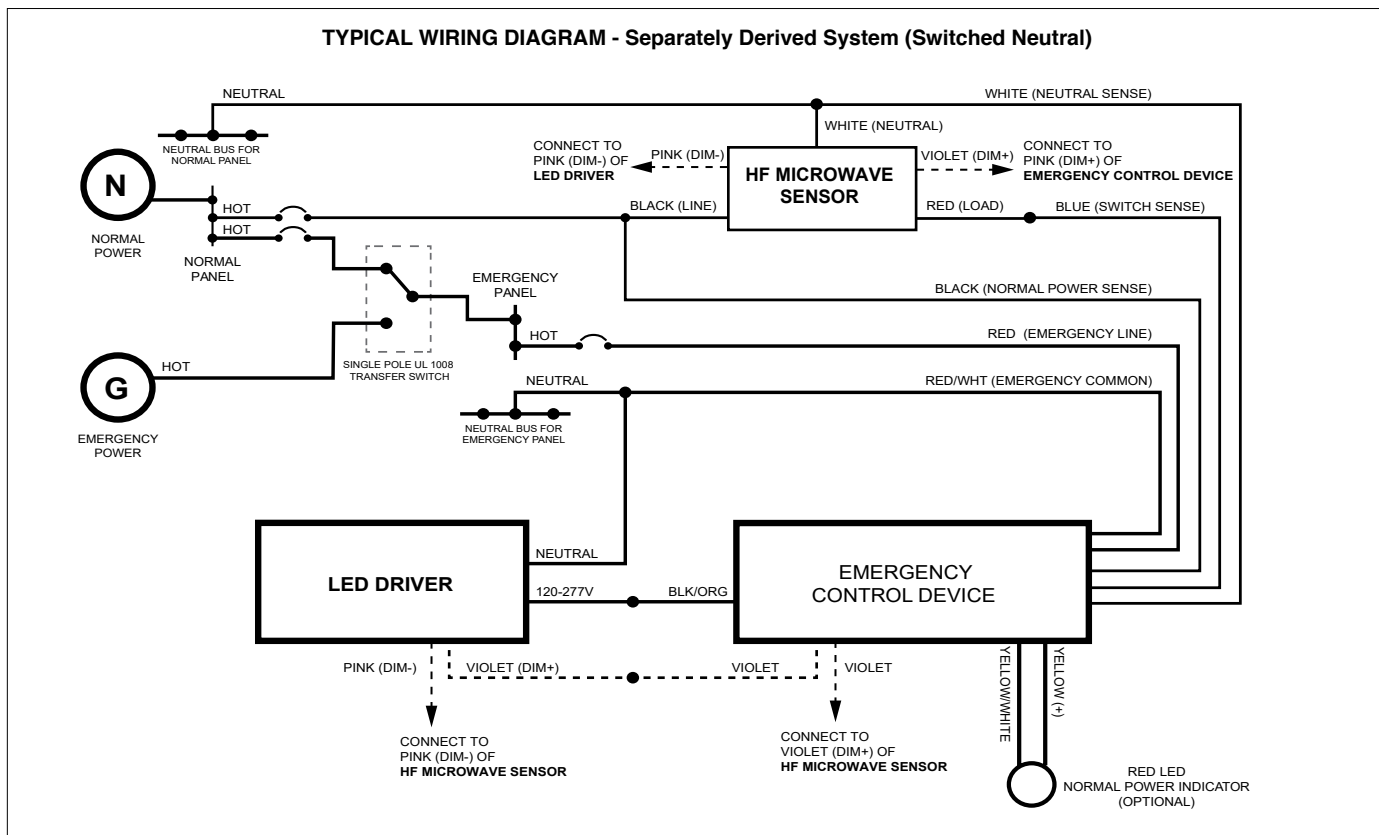
2 Remove the sensor cap. Sensor wiring harness connector is attached to the cap.

3 Mate the wiring harness connector with the connector on the sensor and push, ensure solid connection. Push and lock the sensor into the fixture hole.

4 Secure the sensor. If necessary, use lock nut.

EMLC/DR - Emergency Lighting Control Dimming Relay (EMLC/DR) Option

Allows full brightness operation of the luminaire from the generator or inverter, regardless of local controls/sensor settings. Senses the loss of normal AC power and bypasses the local switch device or dimmed setting, allowing emergency power directly to the fixture.



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

Specifications and Dimensions subject to change without notice.



AleoBlue Wireless Bluetooth Controls

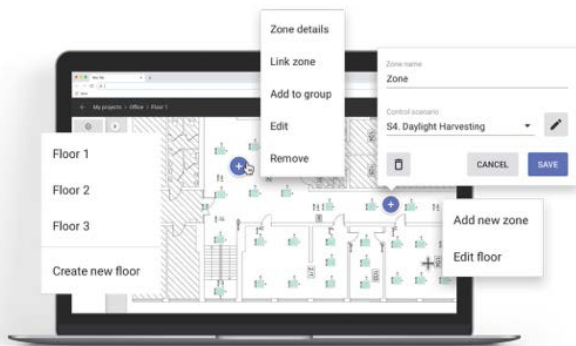


The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth Mesh lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

DLC NLC Qualified.

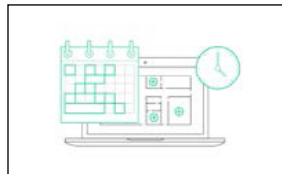
Features and Benefits

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

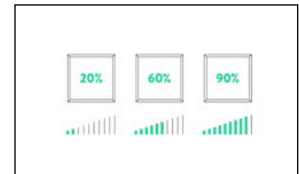


- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility

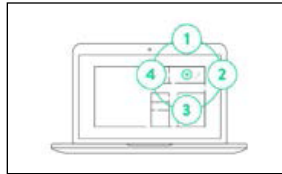
Scheduling



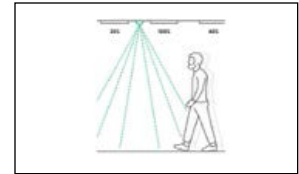
High and Low End Trim



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



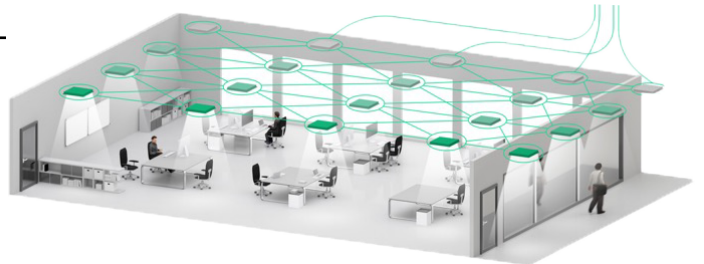
The most advanced encryption standards as well as the cutting-edge device authentication

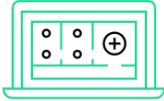


No single point of failure (no central device)



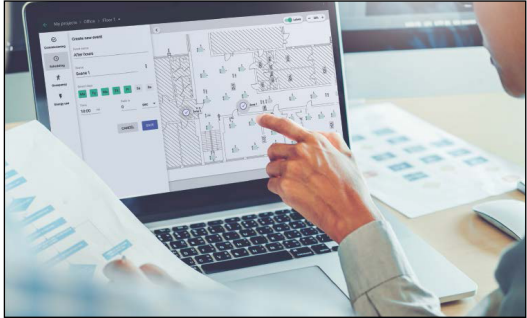
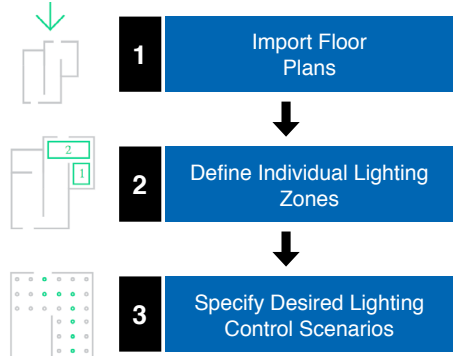
Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth 4.0 and Bluetooth 5)





Planning

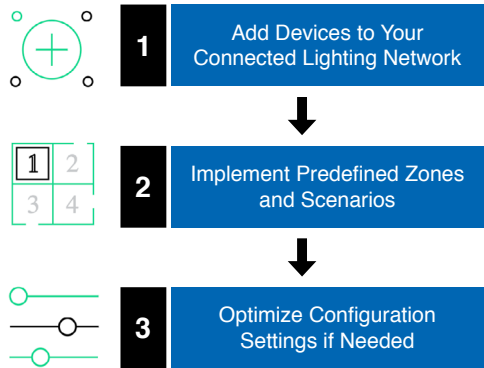
Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



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.

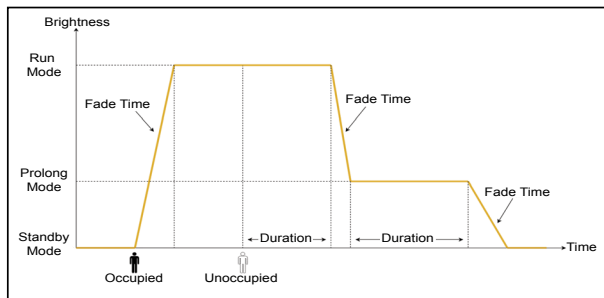
Lighting Control Scenarios

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.

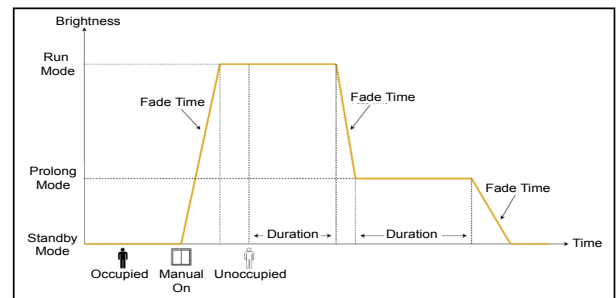


Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight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

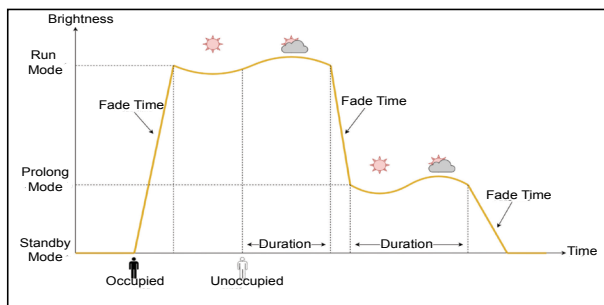
Occupancy Scenario



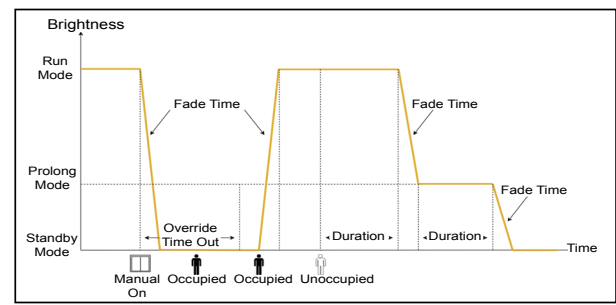
Vacancy Scenario



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

