Advantage Parking and Canopy (APC)
Parking Garage & Canopy Light
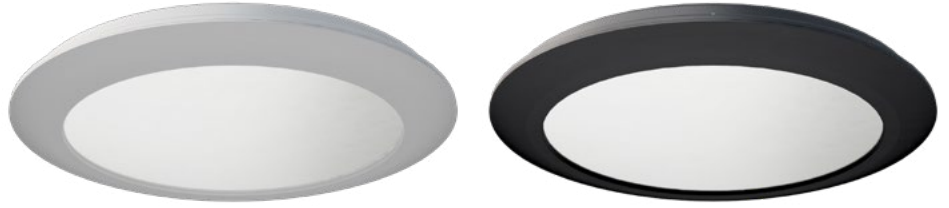
OVERVIEW	
Lumen Package (lm)	4,000 - 8,000
Wattage Range (W)	34 - 68
Efficacy Range (LPW)	124 - 131
Weight lbs (kg)	17.5 (7.9)
Controls Options	IMWS, ALBCMWS

QUICK LINKS

FEATURES & SPECIFICATIONS

Construction

- Die-cast aluminum lens frame.
- Sleek, low-profile housing (<3.5") with no visible hardware or heat fins.
- Five stage chromate-conversion powder paint manufacturing process provides long life and combats against the elements.
- Hinged quick mount bracket mounts directly to a square or octagonal 4" surface or recessed j-box.
- Standard unit can mounted to a rigid 3/4" pendant/stem (pendant sold separately). Unit comes standard with 5' SO cord.

Optical System

- Precisely controlled edge lit technology provides best in class visual comfort as well as high performance.
- Available in 4000K and 5000K color temperature.
- Minimum CRI of 70.

Electrical

- This unit is selectable 4L-6L-8L. By default, the unit is set to the highest wattage and 8L output.
- 0-10V dimming (10% - 100%) standard.
- Universal Voltage (120-277 Vac) Input 50/60 Hz.
- L90 Calculated Life: >100k Hours
- Total harmonic distortion (THD): <20%
- Operating temperature: -40°C to +40°C (-40°F to +104°F).
- Power factor (PF): >0.90
- Input power stays constant over life.
- High-efficacy LEDs with integrated circuit board mount directly to the housing to maximize heat dissipation and promote long life.
- Optional 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

Controls

- There are 2 sensor options available:
  – Simple Sensor - integral microwave occupancy (IMWS) sensor
  – Airlink Blue Microwave occupancy Sensor (ALBCMWS)

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- UL and CUL listed for damp locations
- State of California Title 24 Compliant
- DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Advantage Parking and Canopy (APC)

Have questions? Call us at (800) 436-7800

Type : _____

ORDERING GUIDE

TYPICAL ORDER EXAMPLE: APC 8L T5 UNV 740 MSV

Prefix	Lumen Package	Distribution	Voltage	Color Rendering/Temperature	Finish	Controls Options	Options
APC - Advantage Parking Garage and Canopy	**4L** - 4,000 Lumens **6L** - 6,000 Lumens **8L** - 8,000 Lumens* *Default Lumen Package	**T5** - Type 5 Symmetrical	**UNV** - 120V-277V	**740** - 70CRI/4000K **750** - 70CRI/5000K	**MSV** - Metallic Silver **BLK** - Black	**IMWS** - Integral Microwave Sensor **ALBCMWS** - Airlink Blue Microwave Sensor	**SP1** - 10kV Surge Protection

Need more information?
Click here for our glossary

Have additional questions?
Call us at (800) 436-7800

PENDANT ORDERING INFORMATION (Accessories are field installed)

Order Number	Description	Image
BC600 3	3/4" (19 mm) Top Decorative Box Cover Aligner	
BC585	3/4" (19 mm) Top Round Box Cover Aligner	
BC585SQ	3/4" (19 mm) Top Square Box Cover Aligner	

STEM ORDERING INFORMATION (Accessories are field installed)

Order Number	Description	Image
ST 6 3	3/4" x 6" (19 mm x 152 mm) Aluminum Stem	
ST 12 3	3/4" x 12" (19 mm x 0.4 m) Aluminum Stem	
ST 18 3	3/4" x 18" (19 mm x 0.5 m) Aluminum Stem	
ST 24 3	3/4" x 24" (19mm x 0.6 m) Aluminum Stem	
ST 36 3	3/4" x 36" (19 mm x 0.9 m) Aluminum Stem	
ST 48 3	3/4" x 48" (19 mm x 1.2 m) Aluminum Stem	
COP 3	3/4" (19 mm) Aluminum Stem Coupler	
819046	APC PMK (Pendant Mount Kit)	

PERFORMANCE

Delivered Lumens[1]					
Lumen Package	4000K CCT		5000K CCT		Wattage
	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	
APC 8L T5 UNV 7XX	8556	126	8417	124	68
APC 6L T5 UNV 7XX	6979	129	6866	126	54
APC 4L T5 UNV 7XX	4467	131	4395	130	34

Electrical Data – Current Draw AMPS[2]

Lumen Package	Wattage	120V	208V	240V	277V	347V	480V
APC 8L T5 UNV 7XX	68	0.57	0.33	0.28	0.25	0.20	0.14
APC 6L T5 UNV 7XX	54	0.45	0.26	0.23	0.20	0.16	0.11
APC 4L T5 UNV 7XX	34	0.28	0.16	0.14	0.12	0.10	0.07

Recommended Lumen Maintenance – APC[3]

Ambient Temperature ºC	Initial[4]	25K hrs.[4]	50K hrs.[4]	75K hrs.[5]	100K hrs.[5]
0	100%	96%	91%	87%	82%
10	100%	96%	91%	87%	82%
20	100%	96%	91%	87%	82%
25	100%	96%	91%	87%	82%
30	100%	96%	91%	86%	82%
40	100%	96%	91%	86%	82%

1   LED Chips are frequently updated therefore values are nominal.
2   Electrical data at 25C (77F). Actual wattage may differ by +/-10%.
3   Lumen maintenance values at 40C are calculated per TM-21 based on LM-80 data and in-situ testing.
4   In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
5   In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

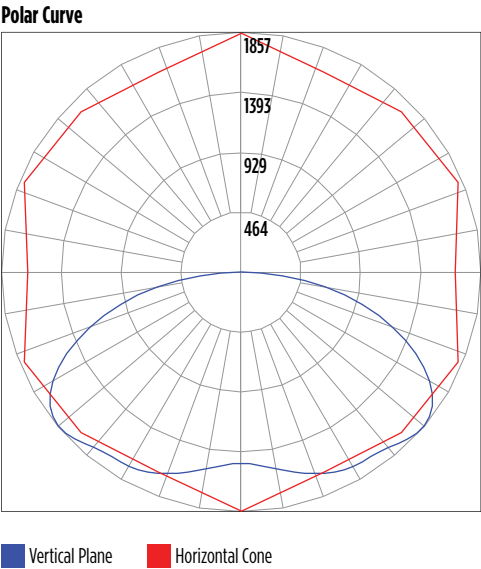Page 2/8 Rev. **03/07/25**
SPEC.1145.B.1223

PHOTOMETRICS

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.
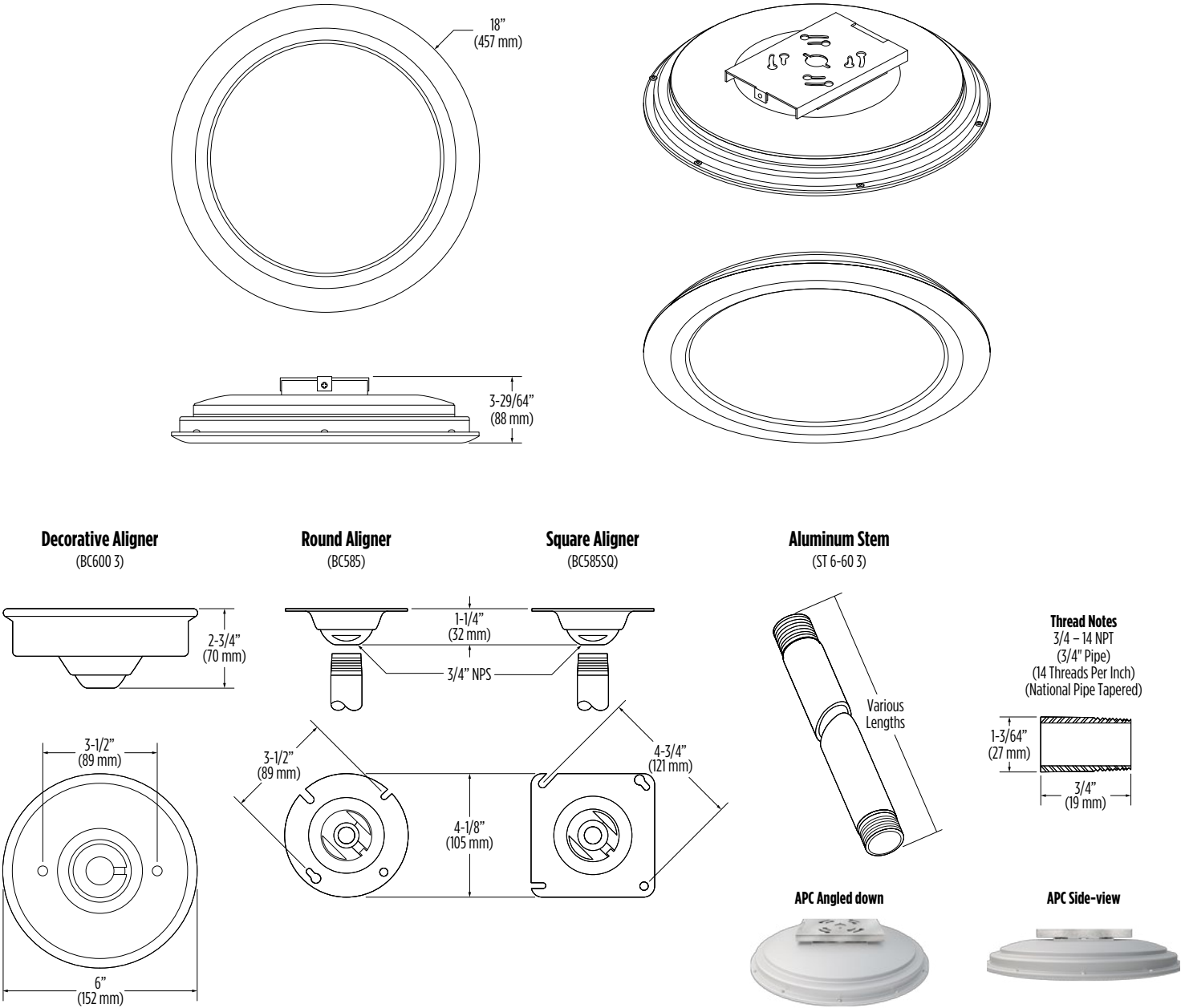
See the individual product page on https://www.lsicorp.com/ for detailed photometric data.

APC-8L-T5-UNV-750

Zonal Lumen Summary

Zone	Lumens	% Luminaire
Low (0-30°)	1,389	17%
Medium (30-60°)	3,985	48%
High (60-80°)	2,670	32%
Very High (80-90°)	372	4%
Uplight (90-180°)	0	0%
Total Flux	8,417	100%

Polar Curve

Vertical Plane ■ Horizontal Cone ■

Advantage Parking and Canopy (APC)

Type: _____

PRODUCT DIMENSIONS

18"
(457 mm)

3-29/64"
(88 mm)

Decorative Aligner
(BC600 3)

Round Aligner
(BC585)

Square Aligner
(BC585SQ)

Aluminum Stem
(ST 6-60 3)

2-3/4"
(70 mm)

1-1/4"
(32 mm)

3/4" NPS

Various
Lengths

Thread Notes
3/4 – 14 NPT
(3/4" Pipe)
(14 Threads Per Inch)
(National Pipe Tapered)

1-3/64"
(27 mm)

3/4"
(19 mm)

3-1/2"
(89 mm)

3-1/2"
(89 mm)

4-3/4"
(121 mm)

4-1/8"
(105 mm)

6"
(152 mm)

APC Angled down

APC Side-view

MOUNTING

Direct/Surface Mount

Mounting plate with "quick mount" hanger for one person simple installation to a 4" square or octagonal junction box.

Pendant/Stem Mount

3/4" threaded nuts (included) provide mounting to rigid 3/4" pendant/stem (order separately).

Advantage Parking and Canopy (APC)

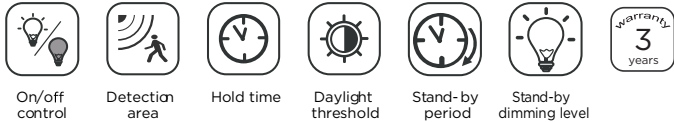**Have questions?** Call us at (800) 436-7800

CONTROLS

Microwave Sensor (IMWS)

1. 5.8GHz microwave motion sensor with dimmable function.
2. Suitable for Ceiling lights or Bulkhead.
3. Loop in and loop out for easy installation.
4. Sensitive and reliable
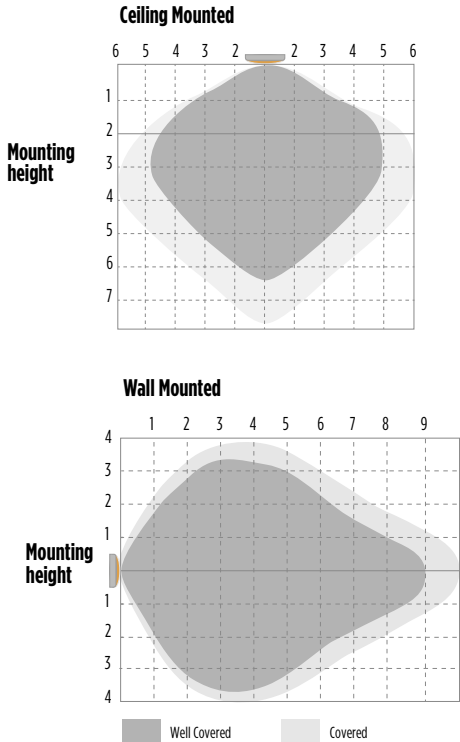5. 3 year limited warranty.

HAISEN®

On/off control | Detection area | Hold time | Daylight threshold | Stand-by period | Stand-by dimming level | warranty 3 years

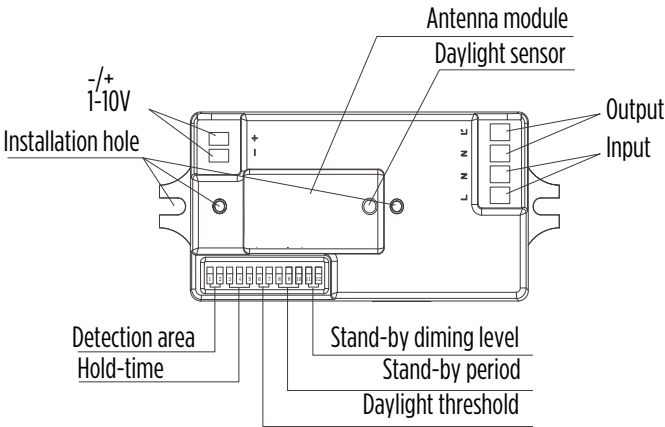| Technical Data	
Operating voltage	120-277VAC,50Hz/60Hz
Switching capacity	Max.3.0A@120Vac,50/60Hz; Max.2.0A@277Vac,50/60Hz
Stand-by power	≤1W
Control method	On/off / 1-10V Dimming
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.3mW
Detection area	10%/50%/75%/100%
Hold time	5s/30s/1min/5min/10min/20min/30min
Daylight threshold	2Lux/10Lux/50Lux/Disable
Stand-by period	0s/10 s/1 min/10 min/30 min/1 H/∞
Stand-by dimming level	10%/20%/30%/50%
Mounting height	2.5-6m /8.2-19.68ft
Detection range	Max.ø14m/45.93ft
Motion detection	0.5-1.5m/s
Operating temperature	-20ºC~+55ºC
IP rating	IP20
Warranty	3 years

Factory Default Setting: Detection area 100%/ Hold time 5s/ Daylight threshold Disable/Stand-by period 0s/ Stand-by dimming level 10%.

Detection Coverage

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity. Typical installation height 2.5-6m
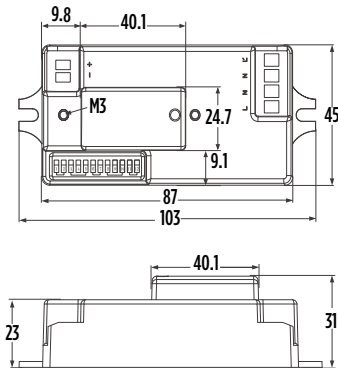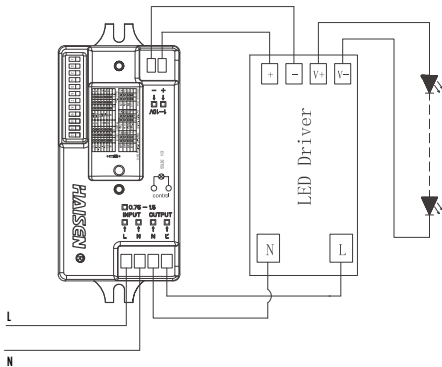
Ceiling Mounted

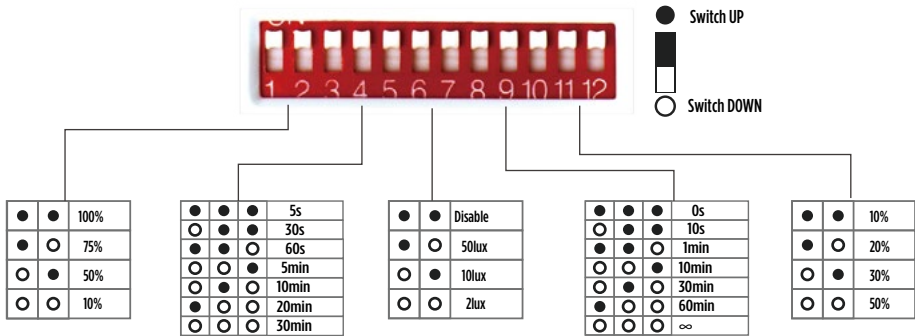6 5 4 3 2 2 3 4 5 6

Mounting height
1 2 3 4 5 6 7

Wall Mounted

1 2 3 4 5 6 7 8 9

Mounting height
4 3 2 1 1 2 3 4

Well Covered   Covered

Mechanical Structure

Antenna module
Daylight sensor

-/+ 1-10V
Installation hole

Output
Input

Detection area
Hold-time
Stand-by diming level
Stand-by period
Daylight threshold

Advantage Parking and Canopy (APC)

Type : _____

CONTROLS

Dimensions (Unit: mm)

Wiring Diagram

Settings

● Switch UP
○ Switch DOWN

		100%
●	●	100%
●	○	75%
○	●	50%
○	○	10%

●	●	●	5s
○	●	●	30s
●	●	○	60s
○	○	●	5min
●	●	○	10min
●	○	○	20min
○	○	○	30min

●	●	Disable
●	○	50lux
○	●	10lux
○	○	2lux

●	●	●	0s
○	●	●	10s
●	●	○	1min
○	○	●	10min
●	○	●	30min
●	○	○	60min
○	○	○	∞

●	●	10%
●	○	20%
○	●	30%
○	○	50%

Detection Area
In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as the strong sensitvity.

Hold-time
The period of light keeping 100% brightness after moving objects leave the detection area.

Daylight Threshold
Definition of the ambient brightness; only when the ambient brightness is lower than the preset specific lux amount, the sensor will work; when it's preset as "disable", the sensor works everytime it detects motion regardless the ambient brightness.

Stand-by Period
The period of light keeping low output before it's completely switched off. When it's preset as ∞ the light always keep at low output if no movement in the detection area and doesn't turn off.
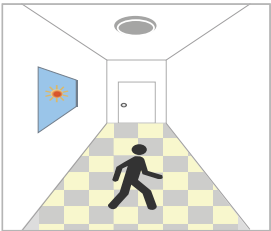
Stand-by Dimming Level
The definition of low output in the standby period.

Advantage Parking and Canopy (APC)

Have questions? Call us at (800) 436-7800

CONTROLS

Application

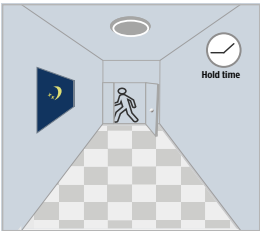**1. Automatically ON/OFF function:**

Light on when detect movement and off after people leave at night. Applications: Corridor, Staircase.

With sufficient daylight, even when motion detected, light remains OFF.

With insufficient daylight, when motion detected, light ON.

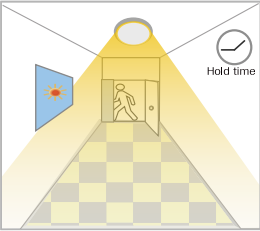After the last detection and the present hold time elapsed, light OFF.

2. No daylight function

The daylight threshold is set to "Disable".
Light on when detect movement, After people leave, Light off after stand-by period.
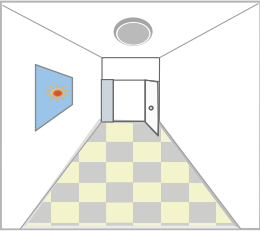Applications: Dim places such as Basement Parking, Underpass.

When motion is detected, the sensor will switch on the light to 100% brightness.

After people leave the detection area, light remains 100% brightness within hold time.

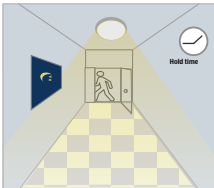After the last detection and the present hold time elapsed, light OFF.

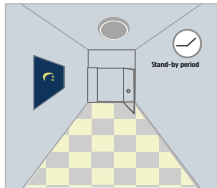**3. Function Demo – Dimmable control/Corridor function**

With sufficient daylight, even when motion detected, light remains OFF.

With insufficient daylight, when motion detected, light ON.

After last detection, the light will be dimmed down to the stand-by dimming level (10%,20%,30% or 50%) after holdtime.

After the stand-by period, light OFF.

CONTROLS

AirLink Blue (ALBCSx)

Wireless Bluetooth Mesh Lighting Control System that provides energy savings, code compliance and enhanced safety/security for indoor and outdoor lighting applications. Key components include Bluetooth wireless sensors, control modules, astronomic time keeper, and manual over-ride wall controls all configured from the AirLink Blue iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Sensors and controllers can be factory installed and integrated into fixtures or external control modules can be utilized by hard wiring to fixtures in the field where fixture integration is not possible.

Click here to learn more details about AirLink Blue

AirLink Blue App   Apple