Catalog # : _____ Project : _____ Type : _____

Prepared By : _____ Date : _____

Commercial Area Small (SSA)

Outdoor Area, Wall & Flood Light



OVERVIEW	
Lumen Package	12,000 - 24,000
Wattage Range	85 - 175
Efficacy Range (LPW)	134 - 151
Weight lbs(kg)	17 (7.8)
Control Options	IMSBT, ALB, ALS, 7-Pin

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing for maximum durability and reliability.
- IP65 rated luminaire protects integral components from harsh environments.
- Shipping weight: 17.24 lbs in carton.

Optical System

- Premium engineered IP65 rated optic assemblies deliver Type 3, 4 (FT), 5 (5W), 4x4 (M) or 6x6 (W) distributions.
- Zero uplight with pole mount arm or wall mount bracket.
- Available in 5000K and 4000K color temperatures per ANSI C78.377.
- Minimum CRI of 70.

Electrical

- High-performance driver features shortcircuit and over temperature protection with integral surge protection (6kV).
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz.
- Total harmonic distortion (THD): <20%
- Operating temperature: -40°C to +40°C (-40°F to +104°F).
- Power factor (PF): >.90
- Input power stays constant over life.
- Optional 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation.

Controls

- Integral passive infrared Bluetooth™ motion and photocell sensor options. Fixtures operate independently and can be commissioned via an iOS or Android configuration app.
- LSI's AirLink™ Blue lighting control system is a simple feature rich wireless Bluetooth mesh network. The integrated fixture sensor module provides wireless control of grouped fixtures based on motion sensors, daylight or a fully customizable schedule. Updates and modifications to the control strategy are easily implemented via an intuitive iOS app.

Installation

- Mounting method ships separately and can be quickly connected to the luminaire.
- Wiring leads extended out of the main housing eliminating the need of opening the luminaire electrical chamber.
- Utilizes B2 pole drill pattern for arm mounting.
- Utilizes adjustable slip fitter for mast arm or tenon mounting.
- Die-cast slip fitter allows for mounting onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon allowing for tilt not to exceed 45 degrees up from horizontal.
- Wall mount bracket with universal plate easily mounts to a 4" octagonal or square junctions box.

Trunnion mount to any surface with 5/16" bolts (provided by others) for tilt not to exceed 45 degrees up from horizontal.

Warranty

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

Listings

- Listed to UL 1598 and UL 8750.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet Locations
- IP65 rated Luminaire per IEC 60598
- 1.5G rated for ANSI C136.31 high vibration applications are qualified.
- 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.

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Commercial Area Small (SSA) Outdoor Area, Wall & Flood Light

Type : _____

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ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: SSA LED 12L ACR 5W UNV DIM 50 CR7P BRZ PM

Prefix	Light Source	Lumen Package[1]	Lens	Distribution	Voltage	Driver	Color Temperature
SSA - Small Commercial Area	**LED**	**12L** - 12,000 lms, 85W **18L** - 18,000 lms, 121W **24L** - 24,000 lms, 175W	**ACR**	**3** - Type 3 **5W** - Type 5 Wide **FT** - Type 4 Forward Throw **M** - 4x4 Medium Flood **W** - 6x6 Wide Flood	**UNV** - Universal Voltage (120-277VAC)	**DIM** - 0-10V Dimming	**50** - 5,000K CCT **40** - 4,000K CCT

Controls (Choose One)	Finish	Mounting Options	Options
Blank - None **Wireless Controls System** **ALBCS1** - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' MH)[3] **ALBCS2** - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' MH)[3] **ALBMR1LR** - AirLink Blue Long Range Wireless Motion & Photo Sensor Controller (8-24' mounting height)[3] **ALBMR2LR** - AirLink Blue Long Range Wireless Motion & Photo Sensor Controller (25-40' mounting height)[3] **Stand-Alone Controls** **CR7P** - 7-Pin Control Receptacle ANSI C136.41[2]	**BRZ** - Bronze	**PM** - Square Pole Mount Arm **SF** - Adjustable Slip fitter **WM** - Wall Mount Bracket **TR** - Trunnion Mount	**Blank** - None **SP1** - 10kV Surge Protection Device **IHS** - Integral House Side Shield[7]

Need more information?
Click here for our glossary

Have additional questions?
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CONTROLS ACCESSORY ORDERING INFORMATION[2,4]

Part Number	Order Number	Description
122514	**KIT PC120**	PC120 Photocell for use with CR7P option (120v)
122515	**KIT PC208/240/277**	PC208-277 Photocell for use with CR7P option (208V, 240V, 277V)
149328	**PHTCLL SHORTING CAP**	Shorting Cap for use with CR7P
661409	**ALS C UNV TL5**	AirLink 5 Pin Twist Lock Controller
661410	**ALS-C-UNV-TL7**	AirLink 7 Pin Twist Lock Controller
741967	**ALBTK**	AirLink Blue Time Keeper

FUSING ACCESSORY ORDERING INFORMATION[4,5]

Part Number	Order Number	Description
See Fusing Guide		Single Fusing (120V)
		Single Fusing (277V)

MOUNTING ACCESSORY ORDERING INFORMATION[4,6]

Part Number	Description
SARPA45 BRZ	Round Pole Adapter for SSA/SMA for 4" or 5" OD Poles
SARPA3 BRZ	Round Pole Adapter for SSA/SMA for 3" or 3.5" OD Poles
751534 CLR	Quick Pole Mount Bracket (Square Pole)
740022 CLR	15° Quick Pole Mount Bracket (Square Pole)
750440	Wood Pole Bracket (6" Minimum OD Pole, Bronze Finish, Requires Pole Mount Arm)
750441	Wall Mount Bracket for PM Arm (Bronze Finish, Requires Pole Mount Arm)
BKA 2NM Q90 BRZ	Square Pole Tenon Adapter (For 2 3/8" Tenon)
751632	10' Linear Bird Spike Kit (3' Recommended per Luminaire)
801407	SSA Type FT Integral House Side Shield Kit
801409	SSA Type 3/5W Integral House Side Shield Kit
739106	Wet Location Surface Conduit/Wiring Box (Bronze)

1 9L and 21L lumen packages available, consult facotry.
2 Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
3 IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store.
4 Mounting and accessories are shipped separately and field installed.
5 Fusing must be located in hand hole of pole.
6 "CLR" denotes finish. See Finish options.
7 Not available with M or W flood distributions.

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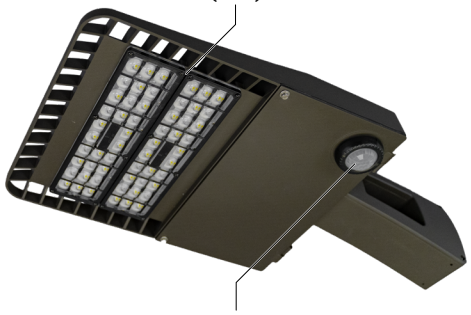
MOUNTING OPTIONS & ACCESSORIES

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Luminaire Shown with 7-Pin Control Receptacle
(CR7P)

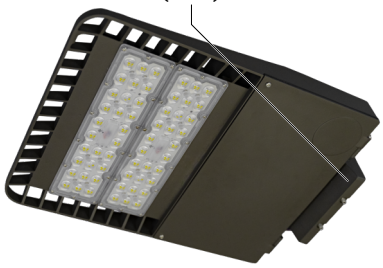


Luminaire Shown with Integral House Side Shield
(IHS)



Integral Bluetooth™ Motion and Photocell Sensor
(IMSBTxL)

Luminaire Shown with Wall Mount Bracket
(WM)



Pole Mount Arm for B2 Drill Pattern
(PM)



Adjustable Slip Fitter for Mast Arm and Tenon
(SF)



Luminaire Shown with Trunnion Mount
(TR)



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Commercial Area Small (SSA) Outdoor Area, Wall & Flood Light

Type : _____

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PERFORMANCE

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Delivered Lumens (Area/Wall Distributions)[1]

Lumen Package	Distribution	CRI	4000K CCT			5000K CCT			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
12L	3	70	12,698	148	B3-U0-G3	12,561	147	B3-U0-G3	85
	FT		12,341	144	B2-U0-G3	12,208	142	B2-U0-G3	
	5W		12,720	148	B3-U0-G1	12,582	147	B3-U0-G1	
18L	3	70	17,777	147	B3-U0-G3	17,585	146	B3-U0-G3	121
	FT		17,277	143	B3-U0-G3	17,090	141	B3-U0-G3	
	5W		17,808	147	B3-U0-G2	17,615	146	B3-U0-G2	
24L	3	70	24,555	140	B3-U0-G3	24,290	138	B3-U0-G3	175
	FT		23,865	136	B3-U0-G3	23,607	135	B3-U0-G3	
	5W		24,598	140	B4-U0-G2	24,332	139	B4-U0-G2	

Delivered Lumens (Flood Distributions)[1]

Lumen Package	Distribution	CRI	4000K CCT			5000K CCT			Wattage
			Delivered Lumens	Efficacy	NEMA Rating	Delivered Lumens	Efficacy	NEMA Rating	
12L	M	70	13062	150	4 x 4	12918	148	4 x 4	85
	W		12236	141	6 x 6	12101	139	6 x 6	
18L	M	70	18287	151	4 x 4	18086	149	4 x 4	121
	W		17130	142	6 x 6	16942	140	6 x 6	
24L	M	70	25262	144	4 x 4	24984	143	4 x 4	175
	W		23664	135	6 x 6	23404	134	6 x 6	

Electrical Data[2]

Lumen Package	120V	208V	240V	277V
12L	0.87	0.5	0.44	0.38
18L	1.26	0.73	0.63	0.55
24L	1.52	0.88	0.76	0.66

Recommended Lumen Maintenance[3]

Ambient Temperature °C	Initial[4]	25K hrs.[4]	50K hrs.[4]	75K hrs.[5]	100K hrs.[5]
0 - 40	100%	94%	87%	81%	76%

1 LEDs are frequently updated therefore values are nominal.
2 Electrical data at 25C (77F). Actual wattage may differ by +/-10%.
3 Lumen maintenance values at 25C 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 Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing times the IESNA LM-80-08 total test duration for the device under testing

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PHOTOMETRICS

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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%.

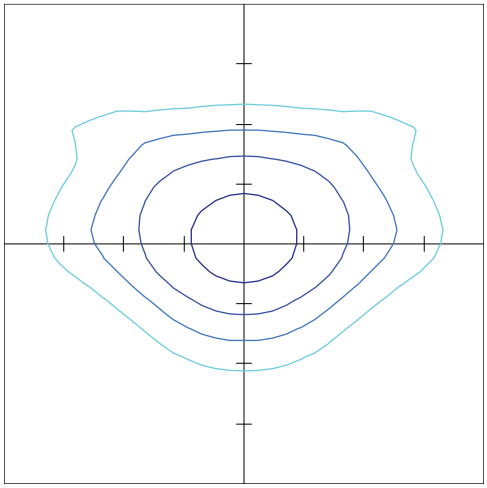
See the individual product page on https://www.lsicorp.com/ for detailed photometric data.

SSA-18L-3-40

Luminaire Data	
Wide Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	17,777
Watts	121
Efficacy	147
IES Type	Type III - Medium
BUG Rating	B3-U0-G3

Zonal Lumen Summary		
Zone	**Lumens**	**% Luminaire**
Low (0-30°)	3,221	18%
Medium (30-60°)	8,661	49%
High (60-80°)	5,471	31%
Very High (80-90°)	425	2%
Uplight (90-180°)	0	0%
Total Flux	17,777	100%

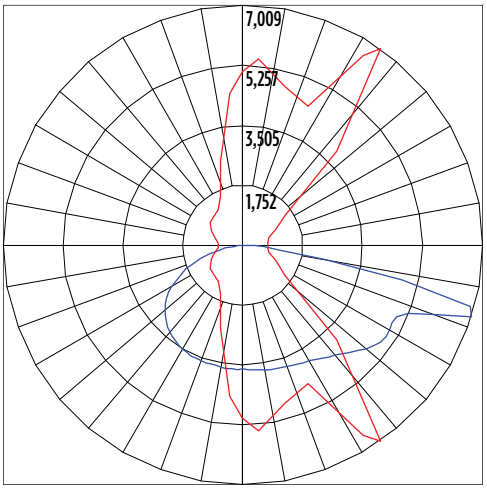
ISO Footcandle



20' Mounting Height / 20' Grid Spacing

5 FC 2 FC 1 FC 0.5 FC

Polar Curve



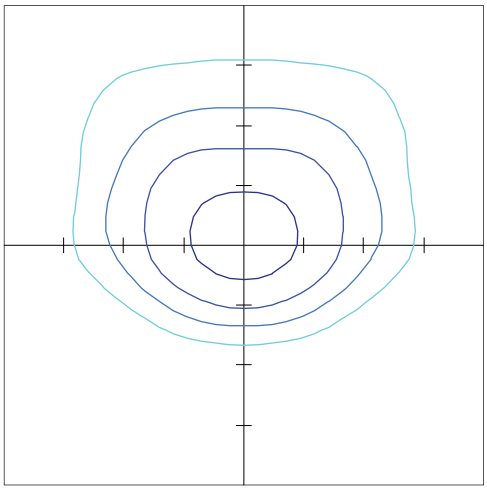
Vertical Plane Horizontal Cone

SSA-18L-FT-40

Luminaire Data	
Wide Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	17,277
Watts	120.5
Efficacy	143
IES Type	Type IV - Short
BUG Rating	B3-U0-G3

Zonal Lumen Summary		
Zone	**Lumens**	**% Luminaire**
Low (0-30°)	3,004	17%
Medium (30-60°)	8,461	49%
High (60-80°)	5,510	32%
Very High (80-90°)	302	2%
Uplight (90-180°)	0	0%
Total Flux	17,277	100%

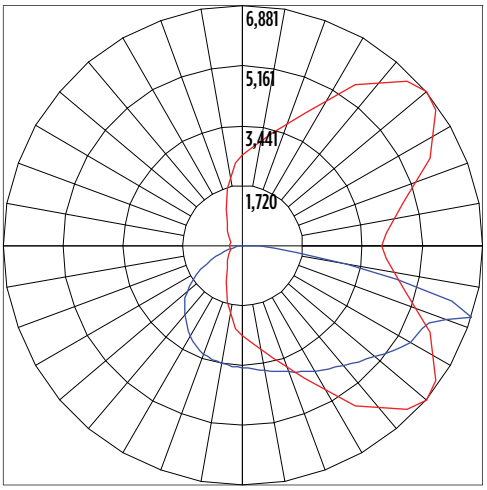
ISO Footcandle



20' Mounting Height / 20' Grid Spacing

5 FC 2 FC 1 FC 0.5 FC

Polar Curve



Vertical Plane Horizontal Cone

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PHOTOMETRICS

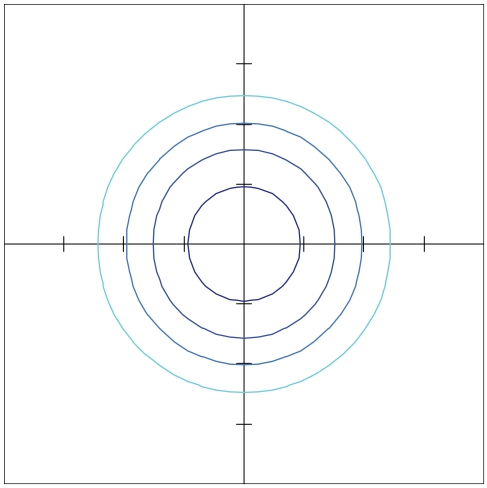
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SSA-18L-5W-40

Luminaire Data	
Wide Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	17,807
Watts	121
Efficacy	147
IES Type	Type VS - Very Short
BUG Rating	B3-U0-G2

Zonal Lumen Summary		
Zone	**Lumens**	**% Luminaire**
Low (0-30°)	3,514	20%
Medium (30-60°)	9,413	53%
High (60-80°)	4,464	25%
Very High (80-90°)	417	2%
Uplight (90-180°)	0	0%
Total Flux	17,807	100%

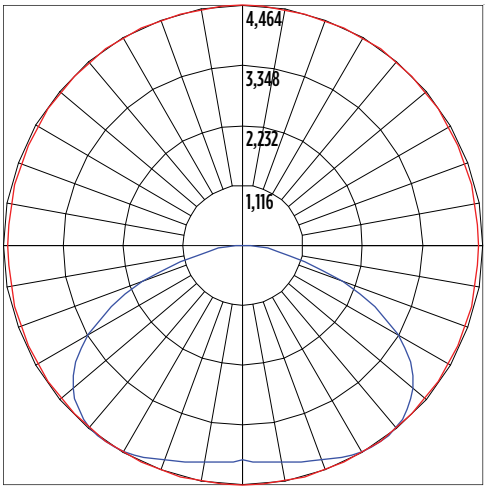
ISO Footcandle



20' Mounting Height / 20' Grid Spacing

5 FC 2 FC 1 FC 0.5 FC

Polar Curve

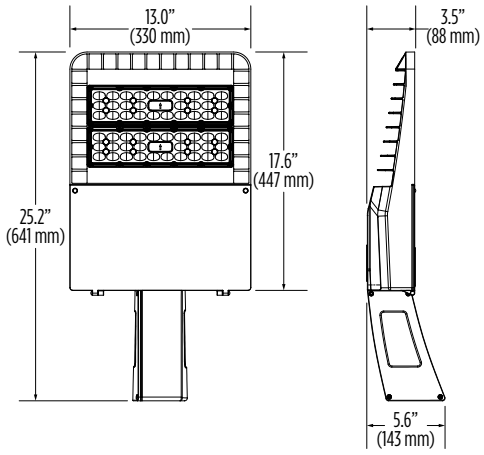


Vertical Plane Horizontal Cone

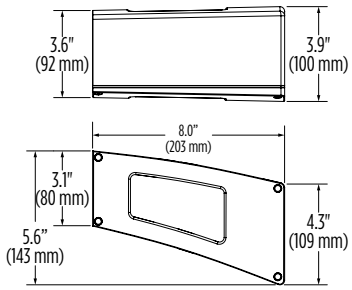
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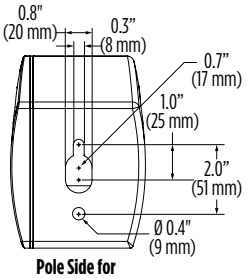
PRODUCT DIMENSIONS

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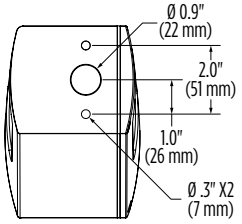


Square Pole Mount Arm (PM)



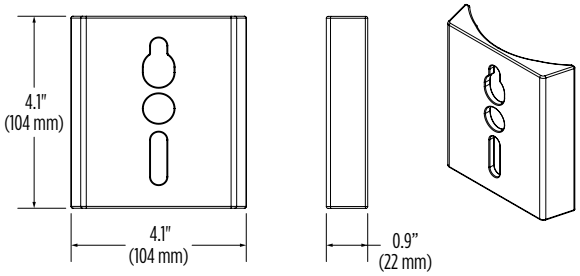


Pole Side for B2 Drill Pattern



Fixture Side

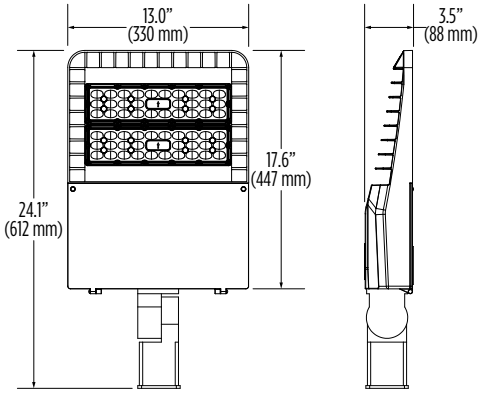
Round Pole Adapter (SARPA45 BRZ)



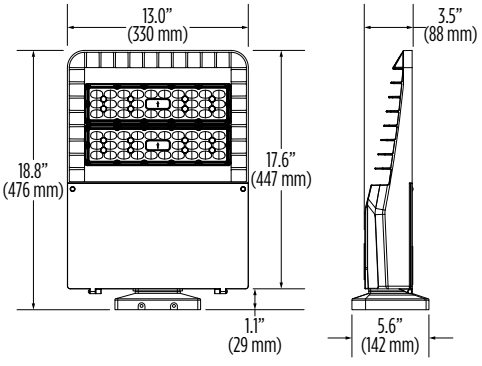
Luminaire EPA Chart - SSA

Configration	Single	D180°	D90°	T90°	TN120°	Q90°
EPA	0.51	1.02	0.91	1.42	1.65	1.65

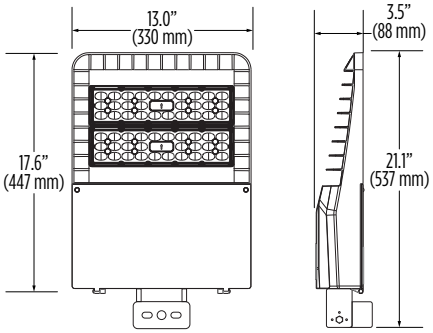
Adjustable Slip Fitter for Mast Arm and Tenon (SF)



Wall Mount Bracket (WM)



Trunion Mount (TR)



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CONTROLS

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Integral Bluetooth™ Motion and Photocell Sensor (IMSBTxL)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is IP66 rated for cold and wet locations (-40°F to 167°F). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

Click here to learn more details about IMSBT

LEVITON App Apple Android

AirLink Blue (ALBCSx)

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

Click here to learn more details about AirLink Blue

AirLink Blue App Apple

Sensor Sequence of Operations

Standard Programming	On Event	Off Event	On Light Level	Dim Light Level	Daylight Harvesting	Delay To Off	Sensitivity
OMSBTxL/IMSBTxL	Motion	No Motion	100%	N/A	On; Auto Calibration	20 minutes	High
OMS	Motion	No Motion	N/A	N/A	N/A	30 seconds	Auto

Operation	Description
On Event	Trigger that activates lights to turn on; either automatic via motion detected or manually activated via push of button.
Off Event	Trigger that activates lights to turn off; either automatic via no motion detected or manually activated via push of button.
On Light Level	The light level that the fixtures will turn on to when ON EVENT occurs.
Dim Light Level	The light level that the fixtures will dim down to when no motion is detected.
Delay to Dim	The amount of time after which no motion is detected that the fixtures will be triggered to dim down. This sequence is optional, and sensor can be programmed to only trigger the fixture to turn off by entering 100% in this field.
Delay to Off	The amount of time after which no motion is detected that the fixtures will be triggered to turn off. If delay to dim is part of the programmed functionality, this is the amount of time after which no motion is detected after the fixture have already dimmed down.
Sensitivity	The sensitivity can be set to high, medium, low, or auto where applicable. High will detect smaller, simple motions. Low will only detect larger more complex motions. Auto temperature calibration adjusts the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field of view.

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