

Project Name	Type
Catalog #	Date

SLIM HIGH BAY LED

SHB LED

INSTASHIP
XPRESS

UNLENSED (STANDARD)



LENSED (ACCESSORY)

APPLICATIONS

- Retail
- Warehouses
- Manufacturing Plants
- Industrial Facilities
- Storage Facilities
- Large Open Areas

APPROVALS

- ETL Listed
- Suitable for damp locations
- Complies with UL1598 and CSAC22.2#250.0.0:2008
- BAA Compliant
- RoHS Compliant
- Appropriate parts/test guidelines were performed by ATAL www.ata-labs.com
- Select models DLC Qualified. For a complete list of DLC Qualified product please visit: www.xtralight.com/dlc or www.designlights.org/qpl

SHB19500L-50K-DIM-NOL is available with INSTASHIP XPRESS. Visit our website to see the complete product list and program details: www.XLM.com/instaship-xpress

FEATURES

- An energy-efficient LED high bay luminaire designed to outperform any lighting requirements for commercial or industrial applications.
- LED provides a significant energy savings over fluorescent and HID, and provides you a substantial savings in your electric bill.
- Operating temperature: -40°C to +50°C (-40°F to +122°F).¹
- Aisle (AOS), open area (OOS) and programmable (FSP) sensor options available, factory installed.

CONSTRUCTION

- Body is 22 gauge steel pre-painted white standard. (Pre-painted black aluminum option available)
- A lightweight steel low profile body (1.33" - 1.57" high) allows excellent thermal management for rapid heat dissipation.
- Cord/plug option available (consult factory).

MOUNTING

- Adjustable cable mount ready, with optional pendant mount available.

ELECTRICAL

- Voltage: 120-277V 50/60Hz driver; 347-480V 50/60Hz driver
- 0-10V dimming is standard.
- Best in class mid-power LEDs with 3000K, 3500K, 4000K and 5000K CCT (min 80 CRI).
- LED modules individually replaceable ensuring easy serviceability in the field.
- Lumen Maintenance (L70): >100,000 hours @ 25°C

OPTICS

- Available specialized optics are designed to produce a tailored light distribution for optimal visibility in specific applications.
- Smooth clear polycarbonate or smooth frosted acrylic lenses available as accessories.

WARRANTY

- Backed by XtraLight's industry leading 10-year warranty.

ORDER LOGIC

SAMPLE CATALOG NUMBER: SHB-9000L-50K-DIM-SCP-EM

SHB	-	-	-	-	-	-	-
MODEL	CCT	DRIVER	LENS / OPTICS ²	OPTIONS			
9000L	30K 3000K	DIM 120-277V Dimming	90 90° Optic	EM Emergency Battery Back-Up			
13000L	35K 3500K	48D 347-480V Dimming	60 60° Optic	AOS Aisle Occupancy Sensor			
19500L	40K 4000K		15 15° Optic	OOS Open Area Occupancy Sensor			
24000L	50K 5000K		SCP Smooth Clear	FSP2 Program Occupancy Sensor, 8'H/40'D			
27000L			Polycarbonate Lens	FSP3 Program Occupancy Sensor, 20'H/40'D			
32000L			SFA Smooth Frosted	FSP7 Program Occupancy Sensor, 40'H/100'D			
39000L			Acrylic Lens	PND Pendant Mount			
44000L			NOL No Optics or Lens (standard)	WG Wire Guard			
52500L				BK Pre-Painted Black Matte Finish			
				XXPL 120V 15A Straight Blade Plug with 16/3 SOOW Black Cord, XX=Length in Feet			
				XX 16/3 SOOW Black Cord, XX=Length in Feet			

1. EM option operating temperature: 0°C to +40°C (32°F to +104°F).
2. SHB is only available with a lens or an optic (cannot order both together).



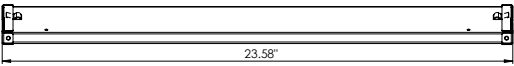
SLIM HIGH BAY LED

SHB LED

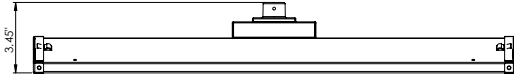
DIMENSIONAL DATA

9000-13000L MODELS

WEIGHT: 4 LBS.

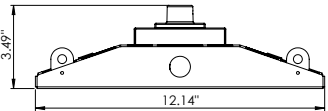


SIDE VIEW WITH 480V



END VIEW

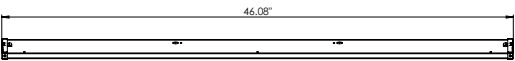
END VIEW WITH 480V



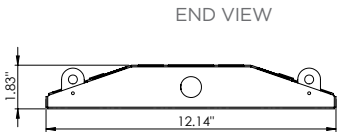
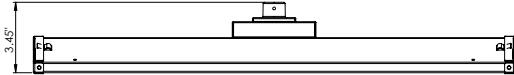
PENDANT MOUNT

19500-27000L MODELS

WEIGHT: 8 LBS.

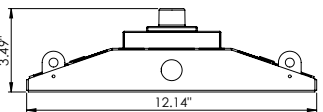


SIDE VIEW
WITH 480V



END VIEW

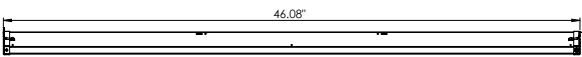
END VIEW WITH 480V



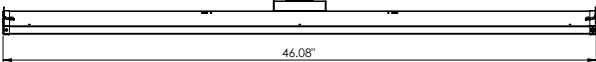
PENDANT MOUNT

32000-39000L MODEL

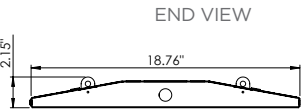
WEIGHT: 12 LBS.



SIDE VIEW
WITH 480V

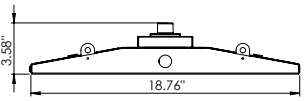


PENDANT MOUNT



END VIEW

END VIEW WITH 480V

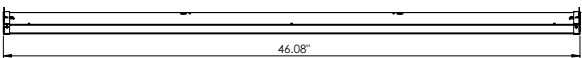


PENDANT MOUNT

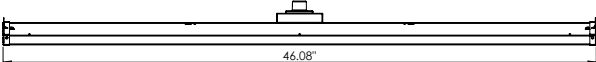


44000-52500L MODEL

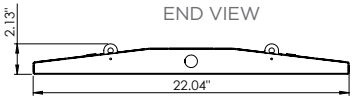
WEIGHT: 16 LBS.



SIDE VIEW
WITH 480V

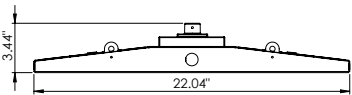


PENDANT MOUNT



END VIEW

END VIEW WITH 480V



PENDANT MOUNT



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PHOTOMETRIC DATA

MODEL	LENS/OPTIC	CCT	LUMENS	SYSTEM WATTS	EFFICACY	MODEL	LENS/OPTIC	CCT	LUMENS	SYSTEM WATTS	EFFICACY
9000L	60°	4000K	8887	68.2	130.4	13000L	60°	4000K	11763	95.2	123.6
	90°		8734	68.2	128.1		90°		11561	95.2	121.5
	15°		8790	68.2	128.9		15°		11634	95.2	122.3
	NOL		10245	68.2	150.3		NOL		13389	95.2	140.7
	SCP		9750	68.2	143.0		SCP		12906	95.2	135.6
	SFA		9716	68.2	142.5		SFA		12860	95.2	135.1
19500L	60°	4000K	19270	144.6	133.3	24000L	60°	4000K	23532	164.2	143.3
	90°		18813	144.6	130.1		90°		22975	164.2	139.9
	15°		19157	144.6	132.5		15°		23393	164.2	142.5
	NOL		20045	144.6	138.6		NOL		24969	164.2	152.0
	SCP		18316	144.6	126.7		SCP		22367	164.2	136.2
	SFA		18201	144.6	125.9		SFA		22226	164.2	135.3
27000L	60°	4000K	25878	196.8	131.5	32000L	60°	4000K	32020	240.8	133.0
	90°		25264	196.8	128.3		90°		31520	240.8	130.9
	15°		25725	196.8	130.7		15°		31607	240.8	131.3
	NOL		27457	196.8	139.5		NOL		35151	240.8	146.0
	SCP		24597	196.8	125.0		SCP		33520	240.8	139.2
	SFA		24442	196.8	124.2		SFA		33444	240.8	138.9
39000L	60°	4000K	38871	291.9	133.2	44000L	60°	4000K	42931	342.4	125.4
	90°		38265	291.9	131.1		90°		42118	342.4	123.0
	15°		38370	291.9	131.5		15°		42433	342.4	123.9
	NOL		42667	291.9	146.2		NOL		48040	342.4	140.3
	SCP		40693	291.9	139.4		SCP		45022	342.4	131.5
	SFA		40601	291.9	139.1		SFA		45289	342.4	132.3
52500L	60°	4000K	50330	396.62	126.9						
	90°		49378	396.62	124.5						
	15°		49746	396.62	125.4						
	NOL		55796	396.62	140.7						
	SCP		52782	396.62	133.1						
	SFA		53094	396.62	133.9						

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PHOTOMETRIC DATA CONT.

EMERGENCY LUMEN PACKAGE (OPTION EM)	INITIAL OUTPUT *
EM OUTPUT 9000L	1232 LUMENS
EM OUTPUT 13000L/24000L/27000L/39000L/52500L	1163 LUMENS
EM OUTPUT 19500L/32000L/44000L	1184 LUMENS

*LUMEN VALUES ARE FOR 5000K CCT

9000L-13000L LUMEN MULTIPLIER VS CCT

CCT	MULTIPLIER
3000K	0.968
3500K	0.966
4000K	1.000
5000K	1.061

19500L-27000L LUMEN MULTIPLIER VS CCT

CCT	MULTIPLIER
3000K	0.956
3500K	0.972
4000K	1.000
5000K	1.055

32000L-39000L LUMEN MULTIPLIER VS CCT

CCT	MULTIPLIER
3000K	0.987
3500K	0.974
4000K	1.000
5000K	1.077

44000L-52500L LUMEN MULTIPLIER VS CCT

CCT	MULTIPLIER
3000K	0.957
3500K	0.914
4000K	1.000
5000K	1.092

PRODUCT PERFORMANCE

(SHOWN WITHOUT OPTICS)

MODEL	CCT	WATTS	LUMENS	EFFICACY
9000L	4000K	68.2	10245	150.3 LPW
13000L	4000K	95.2	13389	140.7 LPW
19500L	4000K	144.6	20045	138.6 LPW
24000L	4000K	164.2	24969	152.0 LPW
27000L	4000K	196.8	27457	139.5 LPW
32000L	4000K	240.8	35151	146.0 LPW
39000L	4000K	291.9	42667	146.2 LPW
44000L	4000K	342.4	48040	140.3 LPW
52500L	4000K	396.6	55796	140.7 LPW

PRODUCT PERFORMANCE

MODEL	CCT	WATTS	LUMENS	EFFICACY
9000L	5000K	72.7	10198	141 LPW
13000L	5000K	100.8	13328	132 LPW
19500L	5000K	145.8	19975	145 LPW
24000L	5000K			
27000L	5000K	201.2	27097	134 LPW
32000L	5000K	247.4	34663	140 LPW
39000L	5000K	299.8	40486	135 LPW
44000L	5000K	335.1	48356	144 LPW
52500L	5000K	385.1	55976	145 LPW

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LIGHTING CONTROLS



LINE VOLTAGE HIGH/LOW/OFF PIR FIXTURE INTEGRATED OUT-DOOR PHOTO/MOTION SENSOR

| FSP-211

Fully adjustable high and low dimmed light levels; optional dusk to dawn control

Designed for LED fixtures; rated for extreme temperatures and up to 200,000 on/off cycles

Hold off setpoint with automatic calibration option for convenience and added energy savings



Adjustable via handheld wireless configuration tool

IP66 rated with choice of lenses for wet and outdoor locations, and mounting heights from 8' to 40'

Adjustable time delay and cut off delay



Description

The FSP-211 mounts in an outdoor lighting fixture and provides multi-level control based on motion and/or daylight contribution. It controls 0-10 VDC LED drivers or dimming ballasts, as well as non-dimming ballasts and, with an FSP-Lx Lens, is rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles.

Operation

Typically, the sensor ramps lighting On to the selected High mode level when motion is detected and the ambient light level is below the hold off setpoint. After the sensor stops detecting movement and the time delay elapses, lights fade to the Low mode level. If there is no motion during the subsequent cut off time delay, the lights will turn Off. For dusk to dawn control, the integral photocell can switch the lights On and Off based on the ambient light level so that lighting remains on overnight even without motion detection.

Wireless Handheld Configuration Tool

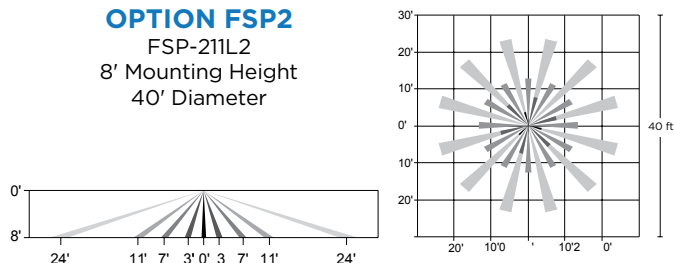
Initial setup and subsequent sensor adjustments are made using a handheld configuration tool (FSIR-100). This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cut off and more. The FSIR-100 is also used to initiate automatic calibration of the FSP-211 ambient light level setpoint. The setpoint is used to hold the controlled lighting off or at low level when there is sufficient daylight. The wireless tool stores up to six sensor parameter profiles to speed configuration of multiple sensors.

Applications

The slim, low-profile FSP-211 is designed for installation inside the bottom of a light fixture body. When fully assembled and installed in an IP66-rated fixture, the sensor and FSP-Lx lenses are IP66 outdoor rated. The sensor is ideal for areas such as parking facilities, gas stations, pedestrian pathways and warehouses. A choice of four lenses ensures complete coverage for mounting heights up to 40'.

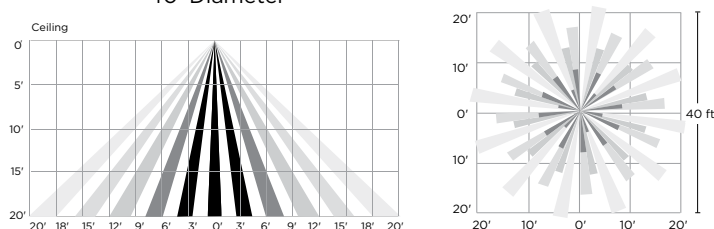
OPTION FSP2

FSP-211L2
8' Mounting Height
40' Diameter



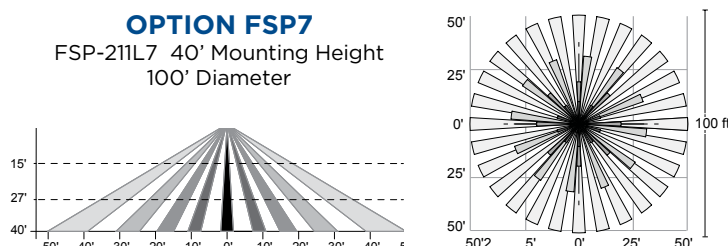
OPTION FSP3

FSP-211L3 20' Mounting Height
40' Diameter



OPTION FSP7

FSP-211L7 40' Mounting Height
100' Diameter



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LIGHTING CONTROLS (CONT.)



HIGH/LOW BAY PASSIVE INFRARED OCCUPANCY SENSOR

| HBP-100 SERIES



OPTION AOS



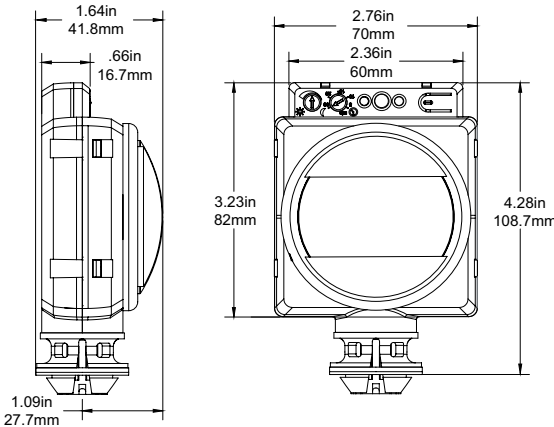
OPTION OOS

Product Overview

The HBP-100 series occupancy sensors are designed for automatic lighting control in high or low bay applications. All models contain a passive infrared (PIR) sensor and a lens engineered to provide reliable coverage from a wide range of mounting heights.

Sensitivity and time delay adjustments are set using trimpots conveniently located on the sensor module.

This model include a hold-off daylighting light level feature to prevent lighting from turning on when occupancy is detected when there is sufficient ambient light available.



HBP-11x Sensor Dimensions

Models

Sensors:

HBP-112-L7, no IR capability

Mounting Modules:

HBP-EM1 extender module

HBP-SM1 surface mount module

Specifications and Features

Indoor use only

Operating Temperature: 32°F to 158°F (0°C to 70°C)

Operating Humidity: 5% to 95%, noncondensing

Line voltage for direct connection to load

120, 277, 347V, 60Hz or 230V, single phase, 50Hz operation

Power consumption: 0.2W

Adjustable time delay and sensitivity

Adjustable hold-off daylighting level

Weight: 6.4 oz (181 g)

UL listed snap-in mounting hardware

Easy mounting using knockout at end of fluorescent high bay luminaire

Flexible mounting options

UL and cUL listed

Five year warranty

Optical

Lens (attached) designed for mounting heights from 15 to 40 feet

Snap-on rotatable mask for aisleway applications (included)

Covers a 100-foot diameter area when mounted at a height of 40 feet

Materials

ABS, flame retardant

Impact resistant

Recyclable

Meets materials restrictions of RoHS

Factory Defaults

Time Delay: 15 minutes

Sensitivity: Max

Light Level: 300 footcandles



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SLIM HIGH BAY LED

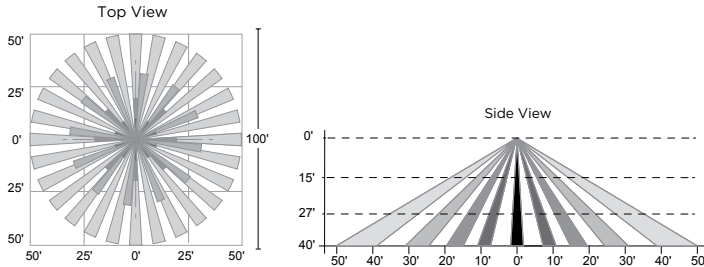
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LIGHTING CONTROLS (CONT.)



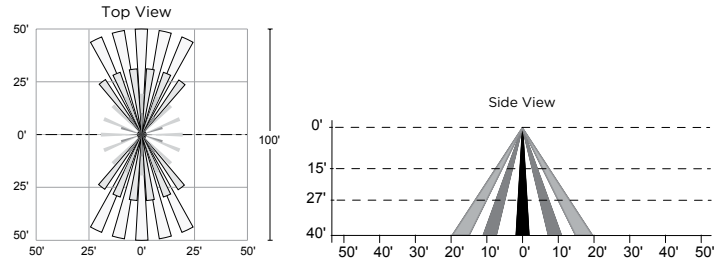
OPTION OOS

40' Mounting Height
100' Diameter



OPTION AOS

40' Mounting Height
100' Diameter
(Masking Ring Attached)



MOUNTING

ADJUSTABLE CABLE HANGER ACCESSORY

Please specify lengths when ordering this accessory separately with customer service. (For custom lengths, please consult factory)

MS0199

5 FT. ADJUSTABLE CABLE HANGER

MS0214

10 FT. ADJUSTABLE CABLE HANGER

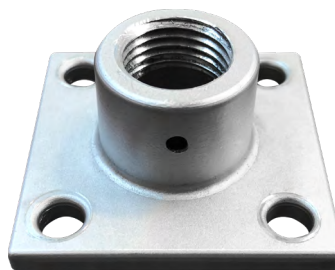
MS1680

15 FT. ADJUSTABLE CABLE HANGER



PENDANT MOUNT 1/2" NPT

(OPTION PND) ONE PER SHB, FACTORY INSTALLED



PENDANT MOUNT
(ALL MODELS)

