Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	


FLXB-2436


FLXB-1224


FLXB-4860

Metalux

FlexBay Linear High Bay

LED Linear High Bay with Selectable CCT, Lumens and Distribution

Typical Applications

Industrial • Commercial • Retail • Manufacturing • Warehouse • Gymnasium [1] • Multi-purpose • High Bay / Low Bay Applications

Note: (1) Rigid Stem mount not recommended for use in gymnasiums.

Interactive Menu

- Energy and Performance Data page 2
- Accessories page 4
- Photometric Data page 5
- Sensor Coverage page 6
- Product Warranty

Product Certification

Product Features

wet location

DIMMABLE 0-10V

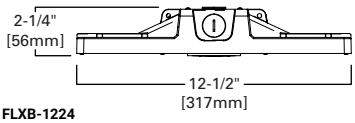
120V-347V VOLTAGE

Top Product Features

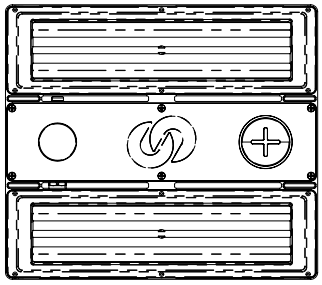
- 45-SKUS-in-1 with selectable lumens, 5CCT, and field selectable distribution
- 5 Color Selectable CCT - 3000/3500/4000/5000/5700K
- FlexOptics provide selectable distribution with a flip of a switch - Narrow, Medium, or Wide
- Sensor ready port for quick plug and play install
- Compact durable IK10 diecast housing in 3 sizes
- 120-347V operating range with 6kV surge protection
- IP65 and NSF rated
- IP65 rated lens and driver enclosure operates up to 70C ambient (refer to ambient chart for specific configurations)
- 10ft power and dimming cords for easy installation

Dimensional and Mounting Details

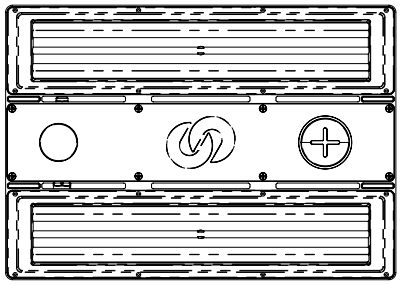
additional product diagrams



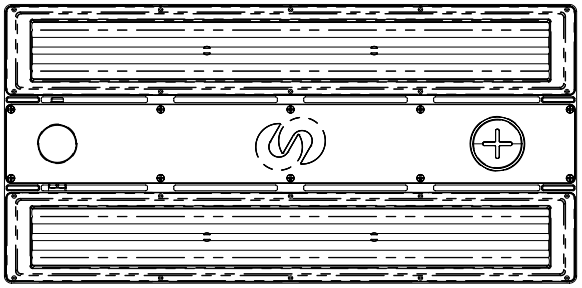
FLXB-1224



FLXB-2436



FLXB-4860



Energy and Performance Data

Default CCT / Lumen / Distribution Setting: 4000K / High Power / Wide

Fixture Model	Lumen Setting	Nominal CCT	Nominal Lumens			Wattage (120V)			Efficacy (lm/W)		
			Narrow	Medium	Wide	Narrow	Medium	Wide	Narrow	Medium	Wide
FLXB-1224-MV-L8C5-U	Low	3000	12445	12333	12221	75	74	75	166	167	163
		3500	12613	12536	12550	74	73	74	170	172	170
		4000	12778	12677	12659	74	73	74	173	174	171
		5000	12720	12707	12666	75	74	75	170	172	169
		5700	12679	12780	12642	76	75	76	167	170	166
	Medium	3000	18309	18239	18005	115	113	115	159	161	157
		3500	18664	18560	18469	114	112	113	164	166	163
		4000	18876	18764	18681	112	111	112	169	169	167
		5000	18741	18671	18493	115	113	115	163	165	161
		5700	18645	18618	18318	116	114	116	161	163	158
	High	3000	23433	23498	23199	149	147	149	157	160	156
		3500	24116	24129	23880	147	145	146	164	166	164
		4000	24524	24440	24259	145	143	145	169	171	167
		5000	24296	24230	23888	149	147	149	163	165	160
		5700	24040	24169	23697	150	148	151	160	163	157
FLXB-2436-MV-L8C5-U	Low	3000	25851	25925	25519	154	151	154	168	172	166
		3500	26257	26265	25953	151	150	151	174	175	172
		4000	26344	26293	26072	152	151	153	173	174	170
		5000	26230	26182	25987	157	156	158	167	168	164
		5700	25979	26121	25892	159	157	159	163	166	163
	Medium	3000	31096	31352	30672	189	186	189	165	169	162
		3500	31723	31896	31404	186	184	187	171	173	168
		4000	31849	31945	31442	187	186	188	170	172	167
		5000	31126	31495	30894	193	191	194	161	165	159
		5700	30810	31390	30744	196	193	196	157	163	157
	High	3000	36744	37135	36288	229	225	229	160	165	158
		3500	37444	37752	37137	225	222	226	166	170	164
		4000	37493	37628	37200	226	225	227	166	167	164
		5000	36763	37210	36392	234	232	235	157	160	155
		5700	36155	36943	36040	237	235	238	153	157	151
FLXB-4860-MV-L8C5-U	Low	3000	48632	48223	47596	298	291	295	163	166	161
		3500	49469	49220	48731	292	287	290	169	171	168
		4000	49741	49298	48817	292	290	293	170	170	167
		5000	49115	48966	48139	302	298	303	163	164	159
		5700	48650	48646	48276	307	303	305	158	161	158
	Medium	3000	53994	53594	52920	337	329	333	160	163	159
		3500	55081	54911	54397	330	324	327	167	169	166
		4000	55393	54952	54360	330	328	332	168	168	164
		5000	54795	54687	53663	343	338	345	160	162	156
		5700	54249	54308	53865	350	344	346	155	158	156
	High	3000	59744	59453	58502	379	370	375	158	161	156
		3500	60909	60908	60302	372	364	368	164	167	164
		4000	61444	60768	60071	372	369	374	165	165	161
		5000	60341	60174	59000	386	381	388	156	158	152
		5700	59635	59615	59116	394	387	390	151	154	152

Energy and Performance Data

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (hours)
25ºC	89%	> 196,000

IK Rating

FLXB	IK Rating
Lens	IK10
Housing	IK10

Energy Data

AC Watts (120V)			
Catalog No.	Low	Med	High
FLXB-1224-MV-L8C5-U	77	117	159
FLXB-2436-MV-L8C5-U	161	198	240
FLXB-4860-MV-L8C5-U	310	353	398

Ambient Ratings

Ambient Temperature Rating (°C) (1)			
Catalog No.	Low	Med	High
FLXB-1224-MV-L8C5-U	70	65	55
FLXB-2436-MV-L8C5-U	65	55	55
FLXB-4860-MV-L8C5-U	55	55	55

Note: (1) Ambient ratings do not include emergency or sensor temp ratings.

Shipping Data

Catalog No.	Net Wt.
FLXB-1224-MV-L8C5-U	8 lbs
FLXB-2436-MV-L8C5-U	10 lbs
FLXB-4860-MV-L8C5-U	14 lbs

Factory Installed Options

Wiring
PC10/120=10ft Cord with NEMA L5-15P Plug (2)
PC10/277=10ft Cord with NEMA L7-15P Plug (2)
PC10/347=10ft Cord with NEMA L24-20P Plug (2)

Note: (2) Low voltage leads ran separate from line voltage.

WaveLinx Sensors
WPS4=WaveLinx PRO Wireless Sensor, Sidecar mount, with 1200 sq ft. coverage (3)
WLS4-HB2=WaveLinx LITE Wireless Integrated Sensor, Factory Installed

Note: (3) WPS4 option is not IP65 Rated.

Clear Glass Lens
FLXB-CGL14=14" Clear glass lens pair for FLXB-1224 (4)
FLXB-CGL18=18" Clear glass lens pair for FLXB-2436 (4)
FLXB-CGL26=26" Clear glass lens pair for FLXB-4860 (4)

Note: (4) Glass lens is not IK rated.

MWS (6)
MW12DS16/2G11=MWS Drop SO Cord, 120V, 16GA, 2 conductor + ground, 11' length (5)
MW27DS16/2G11=MWS Drop SO Cord, 277V, 16GA, 2 conductor + ground, 11' length (5)
MW34DS16/2G11=MWS Drop SO Cord, 347V, 16GA, 2 conductor + ground, 11' length (5)
MW12DC12/2G11=MWS Drop Cable, 120V, 12GA, 2 conductor + ground, 11' length (5)
MW27DC12/2G11=MWS Drop Cable, 277V, 12GA, 2 conductor + ground, 11' length (5)
MW34DC12/2G11=MWS Drop Cable, 347V, 12GA, 2 conductor + ground, 11' length (5)
MW12DS16/2G11-010V-U=MWS Drop SO Cord, 120V, 16GA, 2 conductor + ground + LV , 11' length
MW27DS16/2G11-010V-U=MWS Drop SO Cord, 277V, 16GA, 2 conductor + ground + LV, 11' length
MW34DS16/2G11-010V-U=MWS Drop SO Cord, 347V, 16GA, 2 conductor + ground + LV, 11' length
MW27DC12/2G11-010V-U=MWS Drop Cable, 277V, 12GA, 2 conductor + ground + LV, 11' length
MW34DC12/2G11-010V-U=MWS Drop Cable, 347V, 12GA, 2 conductor + ground + LV, 11' length

Note: (5) Low voltage leads not included in MWS cable. (6) MWS options are not IP65 rated.

Accessories List (1)

Catalog Number	Description	Unit Carton UPC
WLS4-HB2	WaveLinx LITE Wireless Sensor, Audio Jack, 3400 sqft coverage at 40FT MH Accessory Kit	080083446315
HBS1	PIR Sensor 360 Lens 40FT MH Kit	080083471171
HBS SENSOR REMOTE	HBS Sensor Remote Control	080083471188
EBP-RM40R (2), (3), (4)	40W Emergency Driver, Remote Mount 120-347V White w/ remote included	080083259496
HB-WG14	14" Wire guard for FLXB-1224	
HB-WG18	18" Wire guard for FLXB-2436	
HB-WG26	26" Wire guard for FLXB-4860	
FLXB-SMK	Surface Mount Kit for FlexBay	
Loop-10 (5)	10ft Single loop hanger, No 2. (order 2 per fixture)	
Loop-30 (5)	30ft Single loop hanger, No 2. (order 2 per fixture)	

Note: (1) NSF certification does not include fixture accessories. (2) EBP-RM40R not compatible with FLXB-4860 lumen package. (3) To meet local code requirements, EBP-RM40R cannot be used with a sensor. (4) EBP-RM40R ambient range is 5°C-50°C. (5) Single Loop, Order two per fixture. Use in conjunction with V-hook included with fixture.



WLS4-HB2
Plug-in WaveLinx Lite Wireless Sensor



EBP-RM40R
Field installed Remote EM



HBS1 SENSOR
Plug in sensor

Product Specifications

Construction
- Diecast aluminum housing and heatsink for durability
- Polycarbonate lens seals LED for IP65 rating
- Impact protection rating IK10 Lens and IK10 Housing
- Optional tempered glass lensing

Electrical
- Long-life LED system with electronic driver for optimal performance
- Selectable power switch for 3 levels of lumen output per model
- Selectable color switch provides 3000, 3500, 4000, 5000, and 5700K CCT at CRI >82
- Multi-volt 120 through 347V operation
- 0-10V dimming, 10% standard
- 10ft long power and dimming cords provided for easier installation
- Integral 6kV surge protection level per ANSI C82.77-5-2015
- -40° up to 70°C (refer the thermal chart below)
- Default CCT/Lumen setting is 4000K and High Power

Optics
- FlexOptics provide field adjustable distribution in Narrow, Medium, and Wide
- Default distribution is set at Wide distribution

Mounting
- V hangers and chain set included for easy install
- Optional surface mount bracket available

Compliance
- cULus listed for wet location
- IP65 rated
- NSF/ANSI standard 2 - Light fixture for Splash Zone and Non-Food Zone rated luminaire models. NSF certification does not include fixture accessories.
- IESNA LM-79 and LM-80 standards compliant
- Qualifies as State of California Title 24 non-residential high efficiency luminaire
- FCC part 15 class A compliant
- DesignLights Consortium® Qualified and classified for DLC Premium, refer to www.designlights.org for details.

Sensor
- Plug and play low-voltage sensor accessory available
- Sensor installs directly to integral fixture port
- PIR motion sensor with 0-10V control
- Wet location and IP65 rated
- Up to 40ft mounting height
- Sensor remote control must be ordered separately
- Available in stock, WaveLinx LITE wireless sensor with T-connection using SP1 port. Order as accessory for in-field installation.

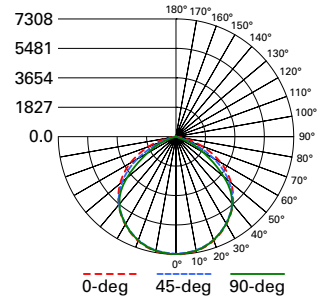
Emergency Pack Option
- 120-347V universal input remote emergency driver accessory available
- Field installed EM driver wires directly to fixture
- 90-minute batteries provide constant power to the LED system
- Test switch/indicator button can be tested safely from the ground using remote control
- EM remote control included with accessory
- Accessory comes with grommets and mounting hardware, see EM driver spec sheet.

Finish
- White polyester powder coat finish painted after fabrication

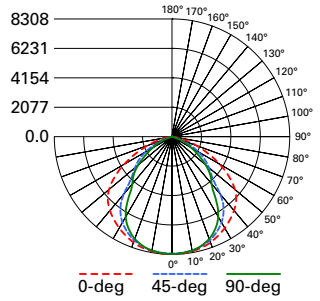
Warranty
- Five year limited warranty

Photometric Data

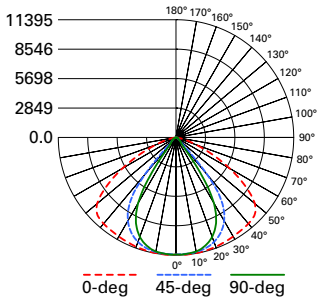
View IES files



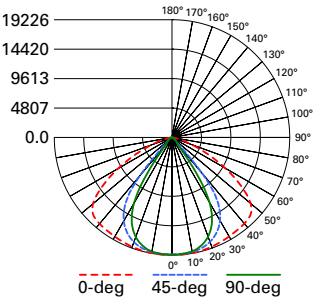
FLXB-1224-W-MED-4000K
Electronic Driver
Round Select LED 4000K
Spacing criterion: (II) 1.28 x mounting height, (⊥) 1.28 x mounting height
Lumens: 18681
Input Watts: 112.2W
Efficacy: 166.5 LPW
Test Report: FLXB-1224-W-MED-4000K.IES



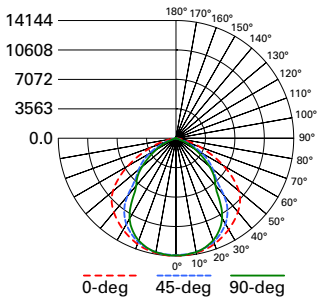
FLXB-1224-M-MED-4000K
Electronic Driver
Round Select LED 4000K
Spacing criterion: (II) 1.34 x mounting height, (⊥) 1.18 x mounting height
Lumens: 18764
Input Watts: 110.7W
Efficacy: 169.5 LPW
Test Report: FLXB-1224-M-MED-4000K.IES



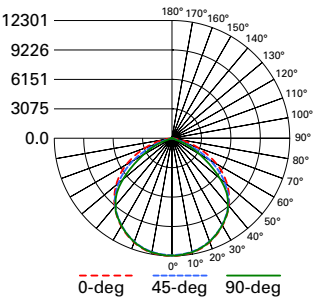
FLXB-1224-N-MED-4000K
Electronic Driver
Round Select LED 4000K
Spacing criterion: (II) 1.49 x mounting height, (⊥) 1.06 x mounting height
Lumens: 18876
Input Watts: 112.2W
Efficacy: 168.2 LPW
Test Report: FLXB-1224-N-MED-4000K.IES



FLXB-2436-N-MED-4000K
Electronic Driver
Round Select LED 4000K
Spacing criterion: (II) 1.49 x mounting height, (⊥) 1.06 x mounting height
Lumens: 31849
Input Watts: 187.2W
Efficacy: 170.1 LPW
Test Report: FLXB-2436-N-MED-4000K.IES



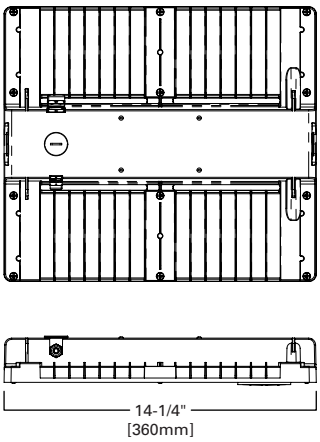
FLXB-2436-M-MED-4000K
Electronic Driver
Round Select LED 4000K
Spacing criterion: (II) 1.34 x mounting height, (⊥) 1.18 x mounting height
Lumens: 31945
Input Watts: 186.4W
Efficacy: 171.4 LPW
Test Report: FLXB-2436-M-MED-4000K.IES

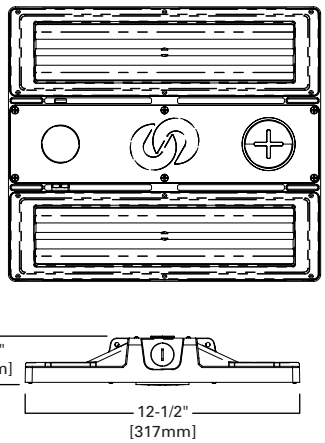


FLXB-2436-W-MED-4000K
Electronic Driver
Round Select LED 4000K
Spacing criterion: (II) 1.28 x mounting height, (⊥) 1.28 x mounting height
Lumens: 31442
Input Watts: 187.9W
Efficacy: 167.3 LPW
Test Report: FLXB-2436-W-MED-4000K.IES

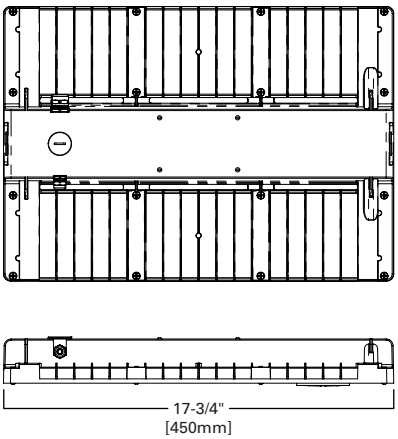
Dimensional and Mounting Details

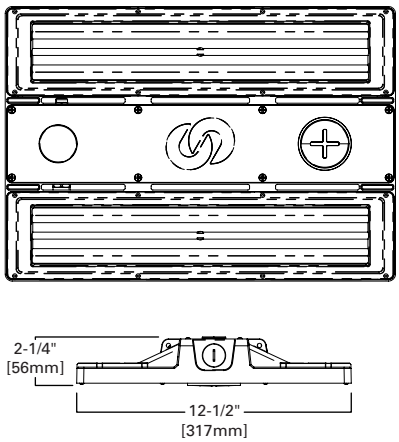
FLXB-1224



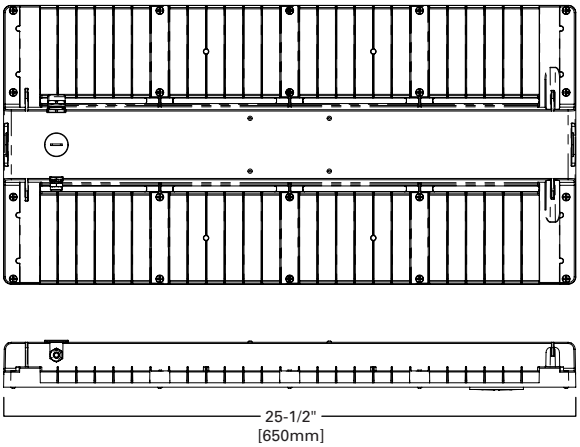


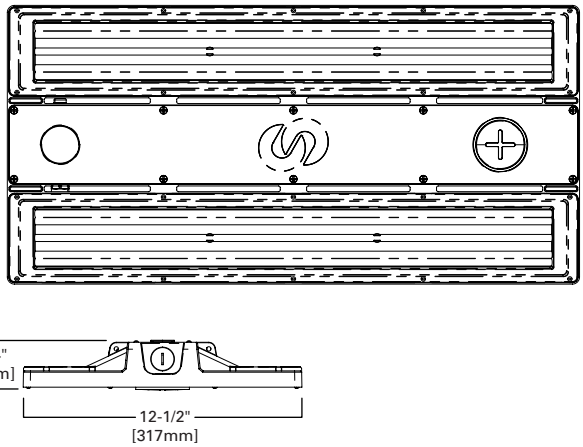
FLXB-2436





FLXB-4860





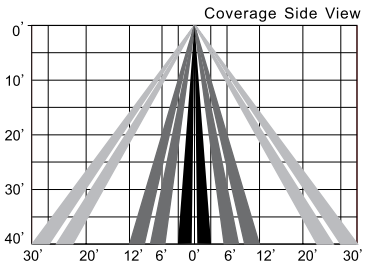
Sensor Coverage HBS1 Sensor

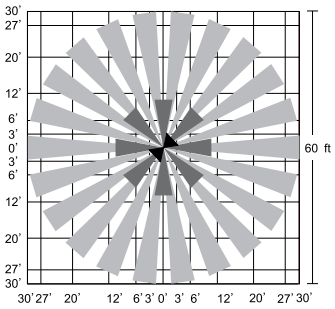
Sensor Specifications

Power supply	12V-24V DC, >30mA
Dim control output	0-10V, max. 25mA sinking current
Remote range	50ft. (15m) indoor, no backlight
Dim control output	0-10V
Detection radius	20% / 50% / 75% / 100% (1-8m)
Mounting height	Up to 40ft (15.25 m)
Time setting	10s / 1 min / 5 min / 10 min / 15 min / 20 min / 30 min / 60 min
Light-control	24H / 10 LUX / 30 LUX / 50 LUX
Sensor Operating Temp.	-20°C to 60°C
IP rating	IP65

Notes: Warm up time 40 sec after sensor first receives input power. Fixture will stay on 40 seconds then work move to default mode.

Any setting changed by sensor remote control (order remote separately), will led lights on remote to turn on and off to confirm. See sensor instruction sheet on UHBS product page found on www.cooperlighting.com





Sensor Modes

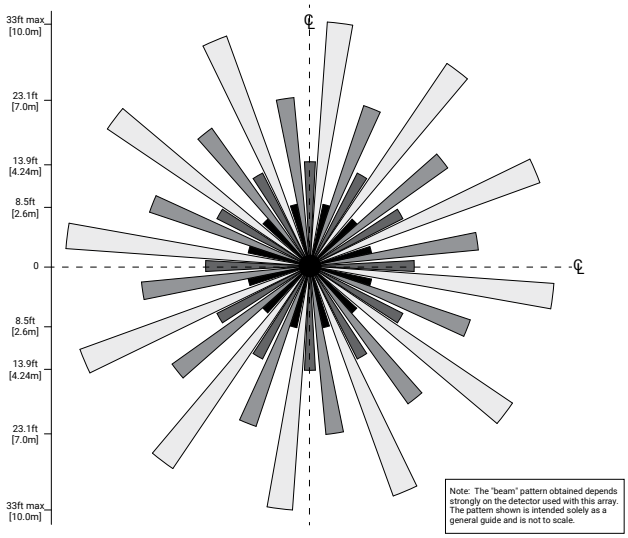
	Brightness	Sensitivity	Hold Time	Daylight Sensor	Stand-by Dim	Stand-by Period
MODE 1 (Default)	100%	75%	5 min	Disabled	30%	30 min
MODE 2	100%	75%	1 min	Disabled	30%	∞
MODE 3	100%	75%	5 min	30LUX	30%	30 min
MODE 4	100%	75%	1 min	(30LUX/300LUX)	30%	∞

Sensor Coverage WLS4-HB2

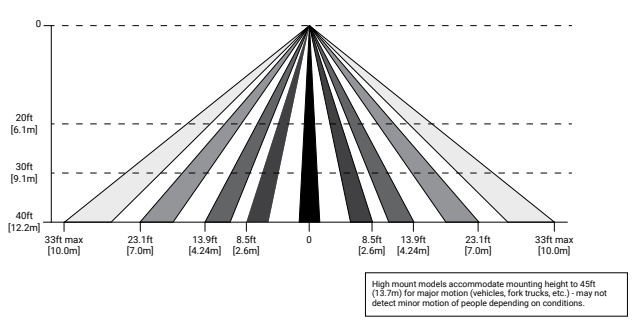
Sensor Specifications

Power supply	12V-24V DC
Dim control output	0-10V, 4mA
Wireless Range	2.4GHz, Bluetooth 4.2, Sensor to sensor; 100ft (30m) LOS (best practice)
Control System	Software configurable settings with WaveLinx LITE mobile application
Detection radius	Up to 3400 sqft
Mounting height	Up to 40ft (12 m)
Time setting (Unoccupied-default)	100%, 50% / 10min, OFF / 20min
Light-control	Daylighting (default - OFF)
Sensor Operating Temp.	-22F to 130F (-30C to 55C)
IP rating	IP65

TOP VIEW:



SIDE VIEW:



Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

© 2026 Cooper Lighting Solutions
All Rights Reserved.

Specifications and dimensions subject to change without notice.