

LHNSF SERIES NSF CERTIFIED LINEAR BAY LIGHT

Client:
Project:
Type:
Quantity:

CONSTRUCTION

The NSF rated LED housing is hermetically sealed against moisture and contaminants. Cast construction with center driver housing for increased durability and thermal control. Versatile bracket options accommodate various application needs, offering flexible installation solutions. IP65 wet location listed.

OPTICS

PC Lens features field selectable medium / aisle / narrow distribution. Optional glass lens features a 120° beam angle and high corrosion resistance.

ELECTRICAL

80+ CRI LED.
-40°C up to 50°C (-40°F up to 122°F) maximum operating temperature.
100,000 hr LEDs, <20% THD, >.9 Power Factor.
Driver operates at 120-277V input, 0-10V dimmable, 10-100% dimming range.
Optional 347/480V input.

SENSORS (OPTIONAL)

SENSOR-ANT-6-4T Plug-N-Play PIR on/off/dimming/photosensing.
SENSOR-BLE-6-4T Plug-N-Play PIR ALS Control Bluetooth/on/off/dimming/photosensing.

MOUNTING

Adjustable aircraft cable hanger as standard mounting included.
Optional pendant mount - fixture includes standard 3/4" NPT Hub (rod provided by others).
Optional surface mount bracket.
Optional yoke mount.

STANDARD FINISH

White finish standard.

CERTIFICATION

NSF Splash Zone 2 and Non-Food Zone Rated.
Meets Buy America Act requirements.
IP65 Wet Location listed.
IK10 Rated housing.
IK10 Rated PC Lens; IK07 Rated Clear Glass Lens optional.
All luminaires are built to UL1598 standards for damp location and bear appropriate cULus labels.
For Emergency application, equipment with UL924 certified battery packs.

WARRANTY

5 year warranty, see Limited Warranty for additional information.



LHNSF SERIES NSF CERTIFIED LINEAR BAY LIGHT

ORDER INFORMATION				EXAMPLE: LHNSF 260MC FA CK WH UD			
Fixture	Series	Power & LM	CCT	Distribution	Mounting	Finish	Input
	LHNSF		MC			WH	

A	SERIES						
	LHNSF	NSF Certified Compact Linear Bay Light					

B	POWER & LM						
	Code	Power	LM				
	160	Field Selectable 64W / 96W / 128W / 160W	11,000 ~ 26,900lm (max.)				
	200	Field Selectable 80W / 120W / 160W / 200W	13,000 ~ 31,600lm (max.)				
	260	Field Selectable 104W / 156W / 208W / 260W	18,000 ~ 43,700lm (max.)				
	320	Field Selectable 128W / 192W / 256W / 320W	22,100 ~ 53,800lm (max.)				
	400	Field Selectable 160W / 240W / 320W / 400W	26,000 ~ 63,200lm (max.)				

C	CCT						
	MC	3500K / 4000K / 5000K					

D	DISTRIBUTION						
	FA	Field Selectable Medium / Aisle / Narrow (PC Lens)					
	120	120° Wide Beam Angle (Glass Lens)					

E	MOUNTING						
	CK	5FT Adjustable aircraft cable hanging kit (standard)					
	PMK	Pendant Mount Kit - 3/4" NPT Hub (Rod Provided by Others)					
	SM	Surface Mount					
	YM	Yoke Mount					

F	FINISH						
	WH	White					

G	INPUT						
	UD	120-277V, 0-10V Dimming, 10-100% Dimming Range					
	HD	277-480V, 0-10V Dimming, 10-100% Dimming Range					

LHNSF SERIES NSF CERTIFIED LINEAR BAY LIGHT

ORDER INFORMATION (CONTINUED)

Accessories
Options

H ACCESSORIES/OPTIONS

BAA	Assembled in America, compliant with BAA (COTS)
WIREGUARD-LHNSF-A	Wireguard for LHNSF-160/-200
WIREGUARD-LHNSF-B	Wireguard for LHNSF-260/-315
WIREGUARD LHNSF-C	Wireguard for LHNSF-320/-400
SENSOR-ANT-6-4T*	Plug-N-Play PIR on/off/dimming/photosensing up to 40FT MH
SENSOR-ANT-6-4T-EM*	Plug-N-Play PIR on/off/dimming/photosensing for EMB application up to 40FT MH
SENSOR-ANT-6-4T-H*	Plug-N-Play PIR on/off/dimming/photosensing up to 50FT MH
SENSOR-ANT-6-4T-H-EM*	Plug-N-Play PIR on/off/dimming/photosensing for EMB application up to 50FT MH
SENSOR-BLE-6-4T*	Plug-N-Play Bluetooth on/off/dimming/Daylight Harvesting Sensor (ALS Control Mobile App)
SENSOR-BLE-6-4T-EM*	Plug-N-Play Bluetooth on/off/dimming/Daylight Harvesting Sensor (ALS Control Mobile App) for EMB application
SENSOR-BLE-6-4T-H*	Plug-N-Play Bluetooth on/off/dimming/Daylight Harvesting Sensor (ALS Control Mobile App) up to 50FT MH
SENSOR-BLE-6-4T-H-EM*	Plug-N-Play Bluetooth on/off/dimming/Daylight Harvesting Sensor (ALS Control Mobile App) for EMB application up to 50FT MH
REMOTE-RC100	Handheld Remote Commissioning Tool for SENSOR-ANT-6-4T and SENSOR-BLE-6-4T
EMB-8W-MST*	90-Minute Emergency Battery 8W 100-277V Input (Compatible with LHNSF-160 and LHNSF-200 only.)
EMB-25W-MST*	90-Minute Emergency Battery 25W 100-277V Input

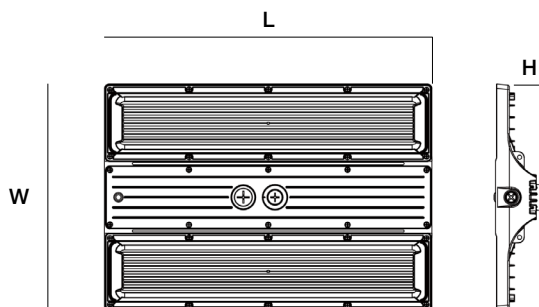
*see page 8 for sensor and EMB spec

LHNSF SERIES NSF CERTIFIED LINEAR BAY LIGHT

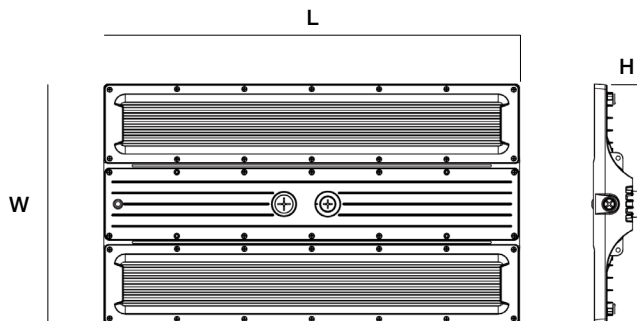
DIMENSIONS

Model	L	W	H
LHNSF-160 / -200	19.03" (483mm)	13.12" (333mm)	2.91" (74mm)
LHNSF-260	23.75" (603mm)	13.71" (348mm)	2.8" (71mm)
LHNSF-320 / -400	27.3" (693mm)	13.71" (348mm)	2.8" (71mm)

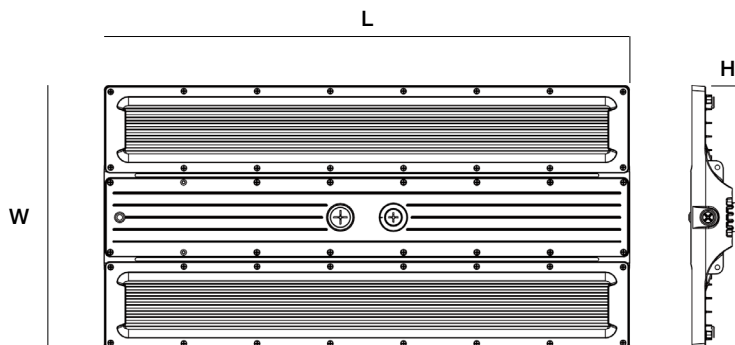
LHNSF-160 / -200



LHNSF-260

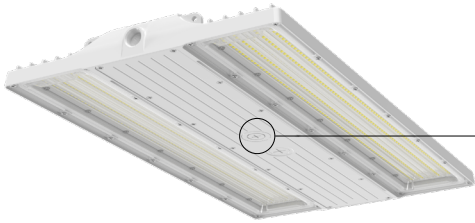


LHNSF-320 / -400



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FIELD SELECTABLE



Wattage Field Selectable

All models have 4 wattage levels.

CCT Field Selectable

3500K / 4000K / 5000K

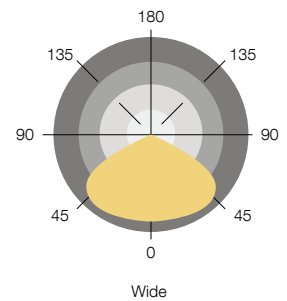
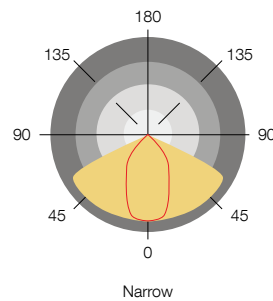
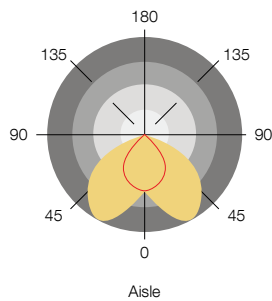
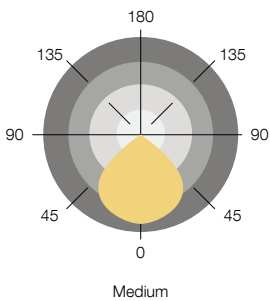
Distribution Field Selectable

Available for FA distribution model only.

DISTRIBUTION

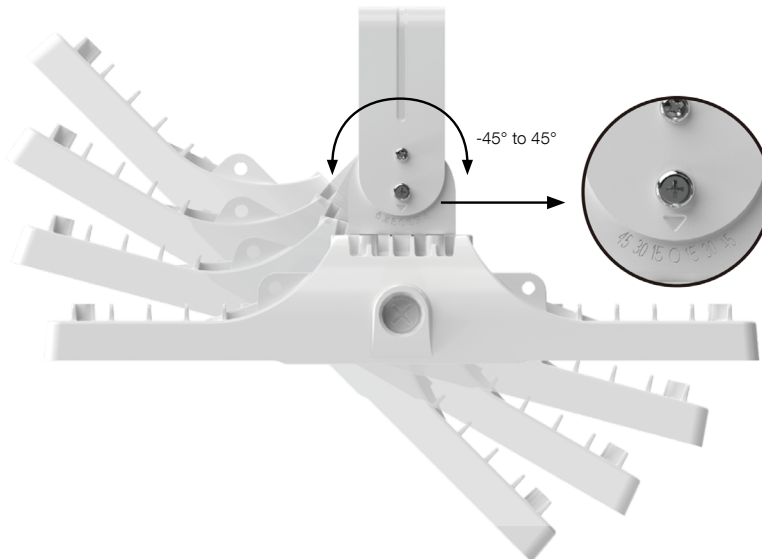
FA Field Selectable Distribution - Medium / Aisle / Narrow (PC Lens)

120° 120° Wide Beam Angle (Glass Lens)



SELECTABLE ANGLE

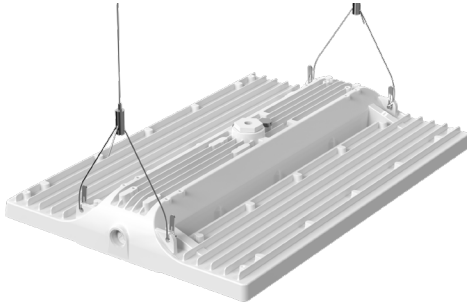
Adjustable bracket allows for angle adjustments in 15° increments, from -45° to 45°. For **YM** Yoke Mount only.



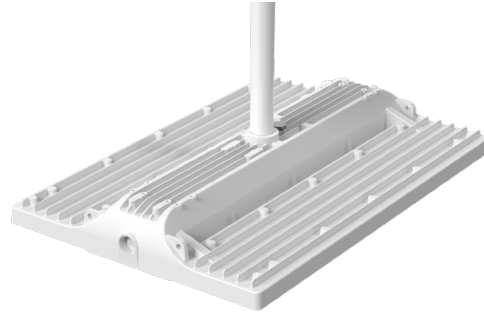
LHNSF SERIES NSF CERTIFIED LINEAR BAY LIGHT

MOUNTING

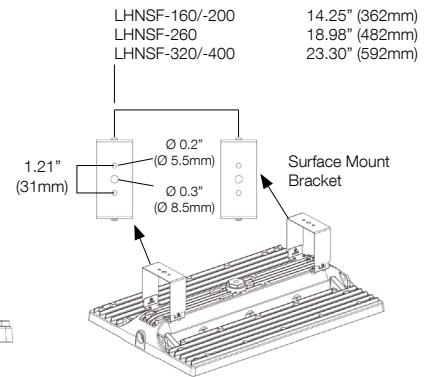
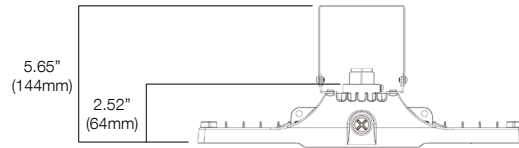
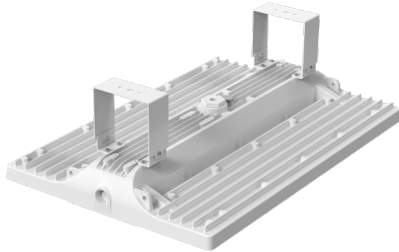
CK 5FT Adjustable aircraft cable hanging kit (standard)



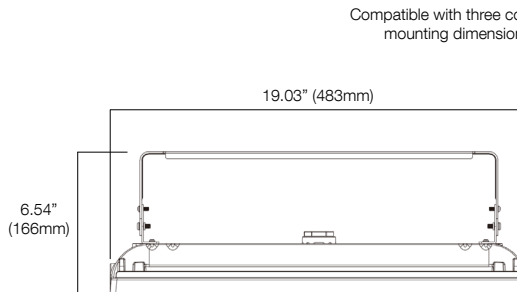
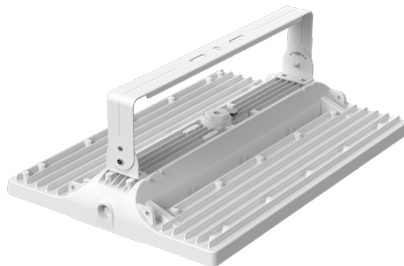
PMK Pendant Mount Kit - 3/4" NPT Hub (Rod Provided by Others)



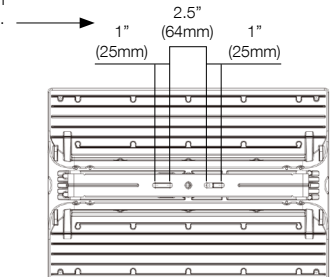
SM Surface Mount



YM Yoke Mount



Compatible with three common mounting dimension sizes.



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PERFORMANCE DATA

MODEL	SYSTEM WATTS	DISTRIBUTION	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
LHNSF-160	64W	FA - Medium	11000	173	11200	175	11000	173
	96W		16300	170	16600	173	16300	170
	128W		21800	167	21800	171	21800	167
	160W		26200	164	26880	168	26200	164
LHNSF-200	80W	FA - Medium	13000	163	13200	165	13000	163
	120W		19200	160	19600	163	19200	160
	160W		25200	157	25800	161	25200	157
	200W		30800	154	31600	158	30800	154
LHNSF-260	104W	FA - Medium	18000	173	18200	175	18000	173
	156W		26600	170	27000	173	26600	170
	208W		34800	167	35600	171	34800	167
	260W		42700	164	43700	168	42700	164
LHNSF-320	128W	FA - Medium	22100	173	22400	175	22100	173
	192W		32640	170	33200	173	32640	170
	256W		42700	167	43800	171	42700	167
	320W		52500	164	53800	168	52500	164
LHNSF-400	160W	FA - Medium	26000	163	26400	165	26000	163
	240W		38400	160	39000	163	38400	160
	320W		50300	157	51500	161	50300	157
	400W		61600	154	63200	158	61600	154

IK RATING

COMPONENT	RATING
Housing	IK10
PC Lens	IK10
Clear Glass Lens	IK07

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SENSOR SPEC

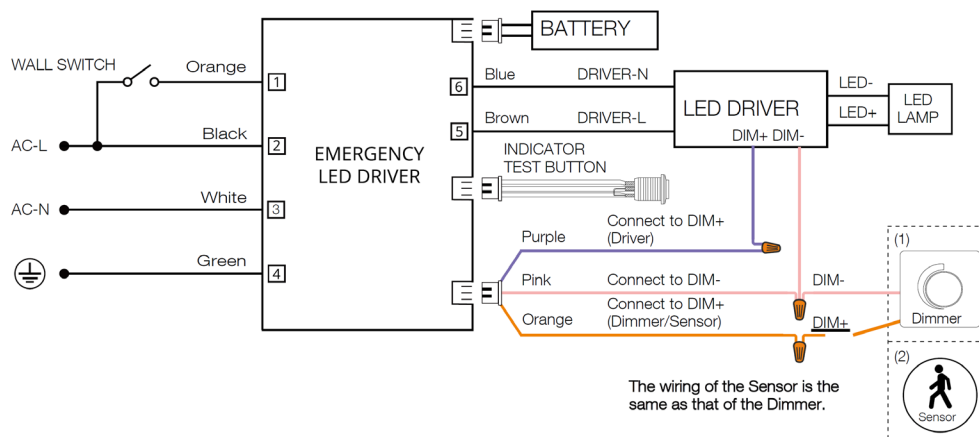
Model	Type	Mounting	Coverage	Input	Function	Programmable
SENSOR-ANT-6-4T SENSOR-ANT-6-4T-EM	PIR	up to 40FT	30FT radius	12V DC	On/Off/Dimming	REMOTE-RC100
SENSOR-BLE-6-4T SENSOR-BLE-6-4T-EM (see page 8 for detail)	PIR	up to 40FT	30FT radius	12V DC	Bluetooth Mesh On/Off/Dimming Daylight Harvesting	ALS Control Bluetooth Mobile App
SENSOR-ANT-6-4T-H* SENSOR-ANT-6-4T-H-EM	PIR	up to 50FT	30FT radius	12V DC	On/Off/Dimming	REMOTE-RC100
SENSOR-BLE-6-4T-H* SENSOR-BLE-6-4T-H-EM	PIR	up to 50FT	30FT radius	12V DC	Bluetooth Mesh On/Off/Dimming Daylight Harvesting	ALS Control Bluetooth Mobile App



SENSOR-ANT-6-4T
SENSOR-BLE-6-4T

EMB SPEC

Model	Battery Capacity	Input	Output	Output Power	Operating Temp	Installation
EMB-8W-MST	90mins	100-347VAC	170VDC	8W	10°C ~ 60°C 50°F ~ 140°F	Factory or Field Install
EMB-25W-MST	90mins	100-347VAC	170VDC	25W	10°C ~ 60°C 50°F ~ 140°F	Factory or Field Install



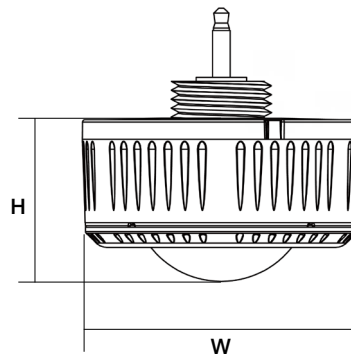
FEATURE

- **Installation:** Plug-N-Play via AUX Socket on Attached Fixture
- **Commissioning:** through Remote Control
- **Control:** Hold time, High-Low setting, Continuous Bi-Level Dimming, Code-Compliant Manual-On or Auto-Off Capability
- **Sensor:** Motion (Occupancy/Vacancy/Manual) and Daylight

SPECIFICATIONS

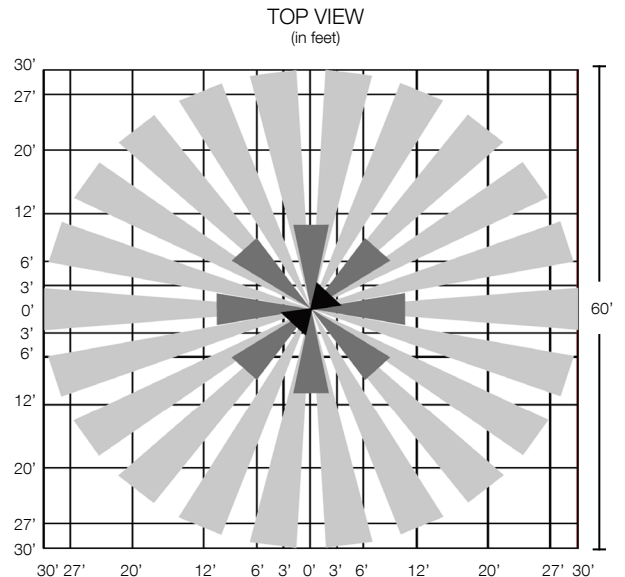
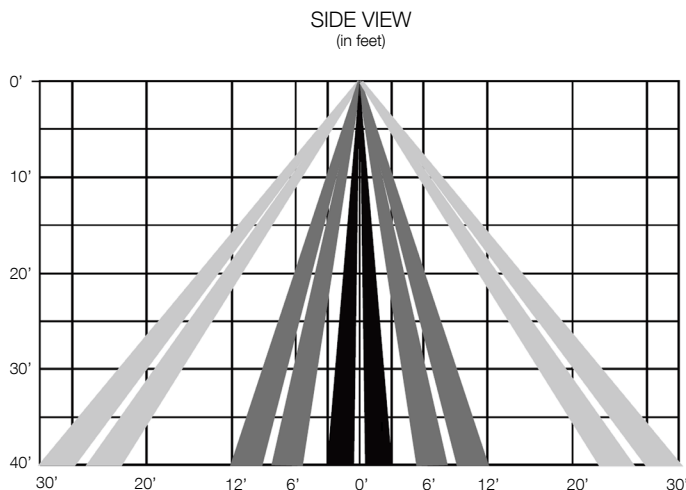
SENSOR TYPE:	Passive Infrared Sensor (PIR)
STANDARD OPTION:	SENSOR-ANT-6-4T
EMB OPTION:	SENSOR-ANT-6-4T-EM (Designed for fixtures with emergency kit. When the voltage power is off, the sensor will stop working.)
INPUT VOLTAGE:	12-24VDC, >30mA
LIGHT CONTROL:	10 ~ 50LUX
CONTROL OUTPUT:	0-10V
OPERATING TEMP:	-4°F ~ +140°F (-20°C ~ +60°C)
COMMISSIONING RANGE:	50FT from Remote Control
TIME SETTING:	10sec ~ 60min (adjustable)
DETECTION ANGLE:	360°
MOUNTING HEIGHT:	Up to 50FT.
WARRANTY:	5 years
IP RATING:	IP65

DIMENSIONS



H	W
1.03" (26.2mm)	2.17" (55mm)

COVERAGE PATTERNS



ORDER CODES

SENSOR-ANT-6-4T	Plug-N-Play PIR on/off/dimming/photosensing up to 40FT MH
SENSOR-ANT-6-4T-EM	Plug-N-Play PIR on/off/dimming/photosensing for EMB application up to 40FT MH
SENSOR-ANT-6-4T-H	Plug-N-Play PIR on/off/dimming/photosensing up to 50FT MH
SENSOR-ANT-6-4T-H-EM	Plug-N-Play PIR on/off/dimming/photosensing for EMB application up to 50FT MH



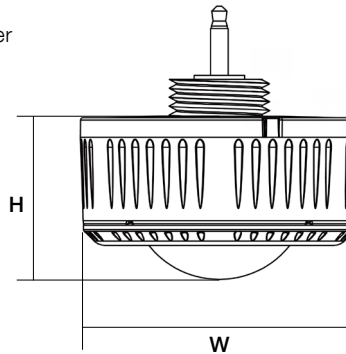
FEATURE

- **Installation:** Plug-N-Play via AUX socket on attached fixture
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** Hold time, High-Low setting, continuous Bi-level dimming, Code-compliant manual-on or auto-off capability
- **Sensor:** Motion (Occupancy/Vacancy/Manual) and Daylight Harvesting
- **Room and Zone Control:** Zoning and Grouping control, Scheduling

SPECIFICATIONS

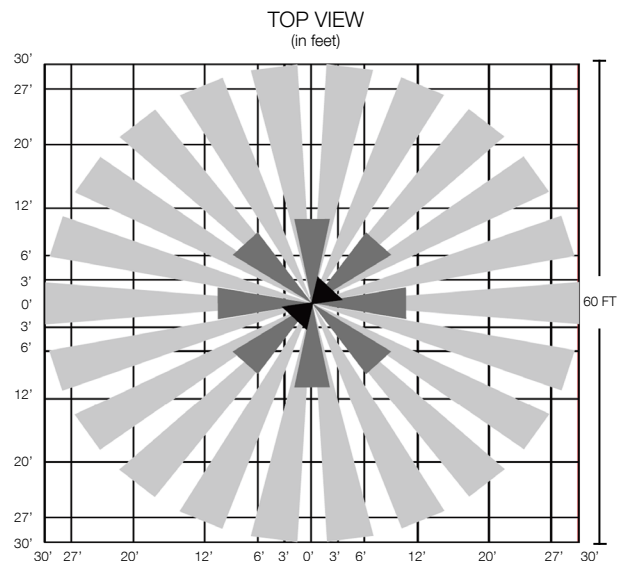
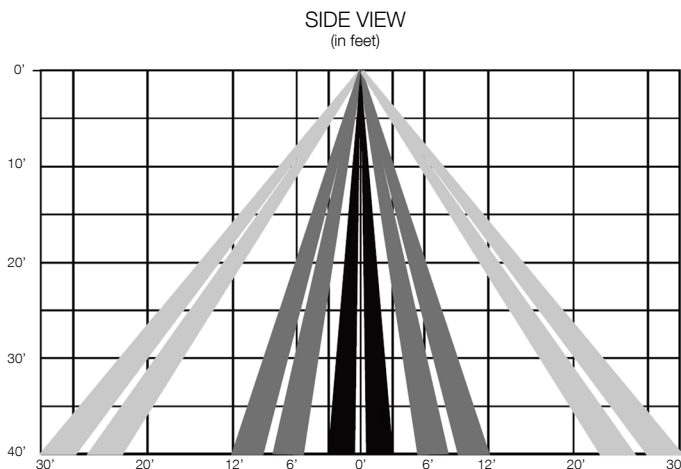
SENSOR TYPE:	Passive Infrared Sensor (PIR)
WIRELESS STANDARDS:	5.0 Bluetooth Mesh
STANDARD OPTION:	SENSOR-BLE-6-4T
EMB OPTION:	SENSOR-BLE-6-4T-EM (Designed for fixtures with emergency kit. When the voltage power is off, the sensor will stop working.)
INPUT VOLTAGE:	12-24VDC, >50mA
CONTROL OUTPUT:	0-10V
OPERATING TEMP:	-4°F ~ +140°F (-20°C ~ +60°C)
COMMISSIONING RANGE:	50FT
BLUETOOTH RANGE:	164FT
DETECTION ANGLE:	360°
MOUNTING HEIGHT:	Up to 40FT
WARRANTY:	5 years
IP RATING:	IP65
FACTORY DEFAULT SETTINGS:	100% Brightness for 5 min Dim Down to 30% Hold for 10 min Turn Off

DIMENSIONS



H	W
1.03" (26.2mm)	2.17" (55mm)

COVERAGE PATTERNS



ORDER CODES

SENSOR-BLE-6-4T	"Plug-N-Play" Integral Bluetooth Daylight Harvesting Sensor (ALS Control Mobile App) up to 40FT MH.
SENSOR-BLE-6-4T-EM	"Plug-N-Play" Integral Bluetooth Daylight Harvesting Sensor (ALS Control Mobile App) up to 40FT MH w/ EMB.
SENSOR-BLE-6-4T-H	"Plug-N-Play" Integral Bluetooth Daylight Harvesting Sensor (ALS Control Mobile App) up to 50FT MH.
SENSOR-BLE-6-4T-H-EM	"Plug-N-Play" Integral Bluetooth Daylight Harvesting Sensor (ALS Control Mobile App) up to 50FT MH w/ EMB.



FEATURE

The Remote control wireless IR configuration tool is a handheld tool for remote configuration of IR-enabled fixture integrated sensors. The tool enables device to modify via push button and stores up to four sensor parameter modes to speed configuration of multiple sensors.

	PROGRAMMABLE	RESET
COMPATIBLE SENSORS	SENSOR-ANT-6-4T SENSOR-ANT-6-4T-EM SENSOR-ANT-6-4T-H SENSOR-ANT-6-4T-H-EM SENSOR-ANT-7 SENSOR-ANT-3C-B1 SENSOR-819-D1/D2 SENSOR-823 SENSOR-820	SENSOR-BLE-6-4T SENSOR-BLE-7 SENSOR-BLE-7D SENSOR-BLE-819 SENSOR-BLE-619 CONTROL-BLE-5-4T WALLSWITCH-BLE-101 WALLSWITCH-BLE-204

SPECIFICATION

Carrying Case

RC-100 in Carrying Case

Commissioning Range

Up to 50FT (15mm)

Operating Temp

32F ~ 122F (0°C ~ 50°C)

Power

2 x AAA 1.5V Alkaline batteries



Dimension

L - 4.84" (123mm)
W - 2.76" (70mm)
H - .80" (20.3mm) Thickness

BRIGHTNESS

Set output level (in 70%, 80%, 90%, or 100%) of connected lighting during occupancy.

SENSITIVITY

Set the sensitivity (in 20%, 50%, 75%, or 100%) of the occupancy sensor.

HOLD TIME

Set the time (in 10s, 1m, 5m, 10m, 16m, 20m, 30m, or 60m) that the fixture will hold at normal output after the space is vacant.

DAYLIGHT SENSOR

Set the threshold of natural light (in 10, 30, or 50) as setpoint to light on automatically for the sensor. If natural light is above the selected threshold, fixture will shut off. Set daylight (in 100, 300, 500) as setpoint to light off.

STAND-BY DIM/TIME

DIM: Set the output level (in 0%, 10%, 30%, or 50%) of the fixture during vacancy. This will only take place after Hold Time has elapsed.

TIME: Set the time (+∞, 1m, 30m, or 50m) that the sensor will remain in stand-by mode before powering down.

ON/OFF

Use this to manually power a fixture on or off.

AUTO

Press Auto to engage/unlock a sensor.

Press Auto, then press Display to show the sensors current setting parameters.

DISPLAY

Press to Display to view current setting parameters for each function. LED indicators will highlight current settings.

DIRECTIONAL ARROWS

Use the arrows to navigate the setting options by pressing up/down or left/right.

SEND

Press Send to upload displayed settings to individual sensor/fixture. The fixture will blink on and off to confirm new settings.

SMART DAYLIGHT SENSOR

Open and or close smart daylight sensor.

Press up/down arrows buttons to enter setting condition, the parameters LEDs of remote control will flash to be selected.

TEST

Used to test sensitivity of occupancy sensing.

Press Test, then the fixture will enter Test Mode, where Hold Time is only 2s.

While Test Mode is active, Stand-By and Daylight sensing will be disabled.

Press Auto to exit Test Mode.

RESET

Press Reset to put all parameters back to default settings.

MODE

Press the Mode # that you want to save.

Use Directional Arrows to select new parameters.

Press OK to confirm.

