Client:
Project:
Type:
Quantity:

LW4A-G2 SERIES SELECTABLE WRAP STRIP

CONSTRUCTION
Available in 2-Foot and 4-Foot steel sheet housing options with a high-durability White finish.

OPTICS
End-to-end wrap around frosted prismatic polycarbonate (PC) lens.

ELECTRICAL
80+ color rendering index (CRI).
L70 >100,000 hours expected life.
-20°C up to 50°C (-4°F up to 122°F) maximum operating temperature.
10°C up to 45°C (50°F up to 113°F) maximum operating tempertature with EMB.
Selectable lumen and CCT technology allows easy field-adjustable capability.
Driver operates at 120-277V input, 0-10V dimmable driver.

SENSORS (OPTIONAL)
SENSOR-IFS06R Integral PIR on/off/dimming/photosensing
(14V DC Power by Driver)
SENSOR-BLE-IFS06R Integral PIR Bluetooth on/off/dimming/photosensing
(14V DC Power by Driver)
CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.

MOUNTING
Designed for direct wire or as a portable luminaire with use of power cord.*
Standard surface mountable underneath electrical box, or surface conduit mount through 3/4" knockout. Adjustable aircraft hanger optional.
*Power-cord optional add-on.

STANDARD FINISH
Corrosion resistant semi-gloss White finish, suitable for damp location.

CERTIFICATION
Damp location label standard.
Meets Buy America Act requirements.
All luminaires are built to UL1598 standards and bear appropriate cULus labels.
For Emergency application, equipment with UL924 certified battery packs.
DLC® Premium (DesignLights Consortium Qualified).

WARRANTY
5 year warranty, see Limited Warranty for additional information.

LW4A-G2 SERIES SELECTABLE WRAP STRIP

ORDER INFORMATION

EXAMPLE: LW 4A G2 SC WH UD

Fixture	Series	Size	Finish	Input
	LW		WH	UD

Accessories Options			

A SERIES

LW	Selectable Wrap Strip

B SIZE

Code	Size	Power	CCT
2A-G2-SC	2-Foot	12W / 16W / 20W / 25W	Field Selectable 3000K / 3500K / 4000K / 5000K / 6500K
4A-G2-SC	4-Foot	24W / 31W / 38W / 46W	Field Selectable 3000K / 3500K / 4000K / 5000K / 6500K

C FINISH

WH	White

D INPUT

UD	120-277V, 0-10V Dimmable

E ACCESSORIES/OPTIONS

BAA	Assembled in America, compliant with BAA (COTS)
MOUNT-LW-BRACKET	Row Mount Bracket
MOUNT-HIGHBAY-CK	Gripple Hanger Kit
EMB-8W-B**	90-Minute Self-Diagnostic Emergency Battery 8W 100-347VAC Input 170VDC Output
SENSOR-IFS06R*	Integral PIR on/off/dimming/photosensing (14V DC Power by Driver)
SENSOR-BLE-IFS06R*	Integral PIR Bluetooth on/off/dimming/photosensing (14V DC Power by Driver)
REMOTE-RC100	Handheld Remote Commissioning Tool
CONTROL-LVFA*	AVI-ON Bluetooth Mesh Control System
SURGE-LSP4-U	10kV inline Surge Protection for Universal input
-CORD	18-3 300V 6 Foot Cord
-PLUG	18-3 300V 6 Foot and 3 Prong Plug

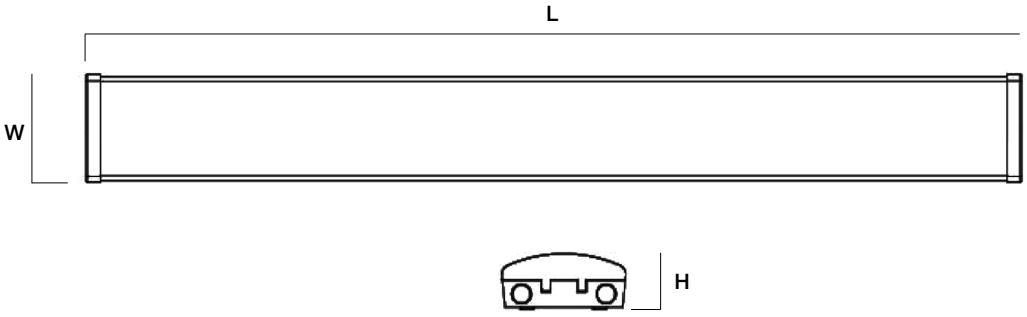
*see page 5 for sensor spec

**see page 6 for emb spec

LW4A-G2 SERIES SELECTABLE WRAP STRIP

DIMENSIONS

Model	L	W	H
LW2A-G2-SC	24.4” (620mm)	5.5” (140mm)	2.4” (62mm)
LW4A-G2-SC	47.6” (1210mm)	5.5” (140mm)	2.4” (62mm)



LW4A-G2 SERIES SELECTABLE WRAP STRIP

PERFORMANCE DATA

MODEL	SYSTEM WATTS	SIZE	VOLTAGE	LUMENS	LPW
LW2A-G2-SC	12W	2-Foot	120-277V	1550	125
	16W	2-Foot	120-277V	2050	
	20W	2-Foot	120-277V	2550	
	25W	2-Foot	120-277V	3125	
LW4A-G2-SC	24W	4-Foot	120-277V	3100	125
	31W	4-Foot	120-277V	3950	
	38W	4-Foot	120-277V	4800	
	46W	4-Foot	120-277V	5750	

LW4A-G2 SERIES SELECTABLE WRAP STRIP

SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
SENSOR-IFS06R (see page 7 for detail)	PIR	12FT	30FT radius	10-14VDC	On/Off Bi-Level Dimming Daylight Harvesting	ALS Control Bluetooth Mobile App
SENSOR-BLE-IFS06R (see page 8 for detail)	PIR	12FT	30FT radius	10-14VDC	Bluetooth Mesh On/Off Bi-Level Dimming Daylight Harvesting	REMOTE-RC100
CONTROL-LVFA (see page 10 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App

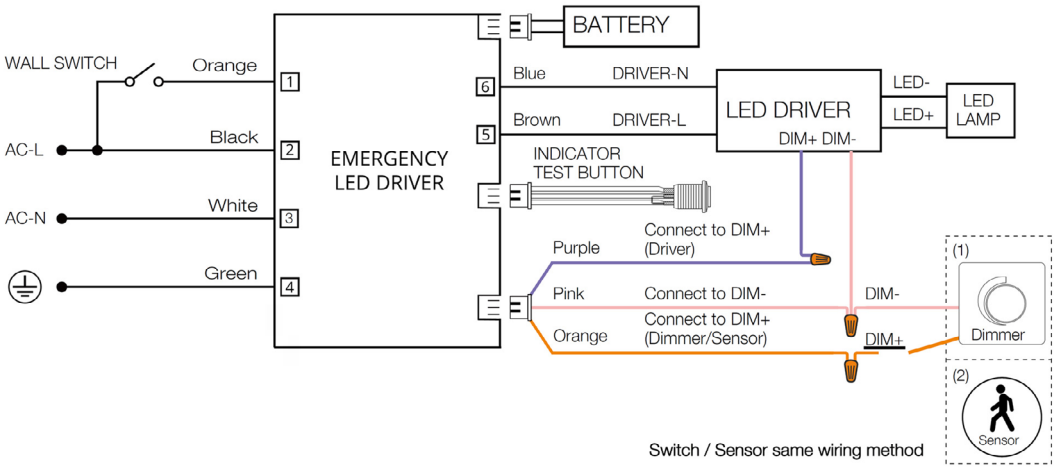
SENSOR-IFS06R
SENSOR-BLE-IFS06R

CONTROL-LVFA

LW4A-G2 SERIES SELECTABLE WRAP STRIP

EMB SPEC

Model	Compatible Fixture	Battery Capacity	Input	Output	Output Power	Operating Temp	Installation
EMB-8W-B	LW4A	90mins	100-347VAC	170VDC	8W	0°C ~ 50°C 32°F ~ 122°F	Factory or Field Install



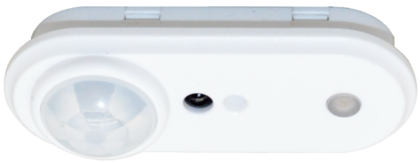
ALS CONTROL

SENSOR-IFS06R PIR SENSOR

Client:
Project:
Type:
Quantity:

FEATURE

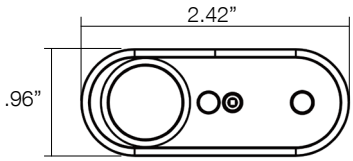
- **Installation:** Factory Install - Sensor Integral to Fixture
- **Commissioning:** through Remote Control
- **Control:** Adjustable Hold Time, Bi-Level Dimming, Manual/Auto - On/Off
- **Sensor:** Motion (Occupancy/Vacancy/Manual) and Daylight Harvesting

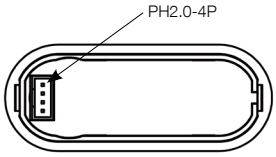


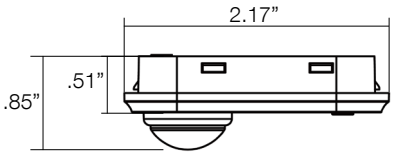
SPECIFICATIONS

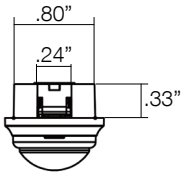
SENSOR TYPE:	Passive Infrared Sensor (PIR)	**COMMISSIONING RANGE:**	50FT from Remote Control
INPUT VOLTAGE:	10-14VDC, >50mA	**TIME SETTING:**	10sec ~ 60min (adjustable)
LIGHT-CONTROL:	Daylight Harvesting with Automatic Dimming	**DETECTION ANGLE:**	360°
CONTROL OUTPUT:	0-10V, Max. 25mA sinking current	**MOUNTING HEIGHT:**	12FT Max.
OPERATING TEMP:	-4°F ~ +140°F (-20°C ~ +60°C)	**WARRANTY:**	5 years
		IP RATING:	IP20

DIMENSIONS



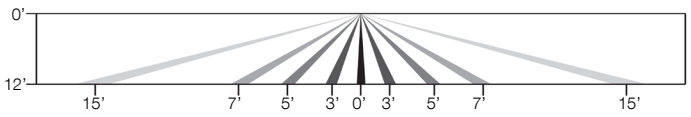




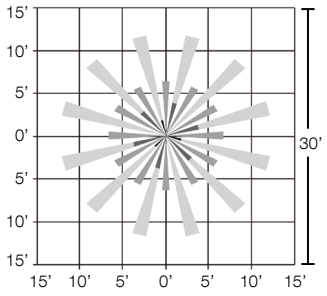


COVERAGE PATTERNS

SIDE VIEW (in feet)



TOP VIEW (in feet)



ORDER CODE — EXAMPLE: SENSOR-IFS06R

A **SERIES**

SENSOR-IFS06R	Integral PIR on/off/dimming/photosensing (14V DC Power by Driver)

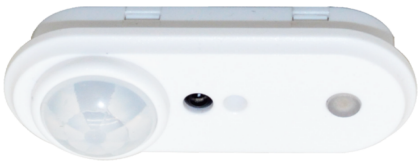
ALS CONTROL

SENSOR-BLE-IFS06R BLUETOOTH PIR SENSOR

Client:
Project:
Type:
Quantity:

FEATURE

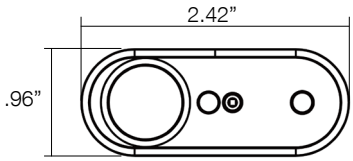
- **Installation:** Factory Install - Sensor Integral to Fixture
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Control:** Adjustable Hold Time, Bi-Level Dimming, Manual/Auto - On/Off
- **Sensor:** Motion (Occupancy/Vacancy/Manual) and Daylight Harvesting

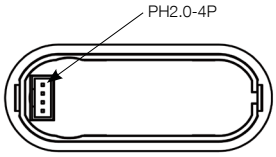


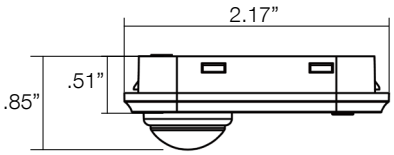
SPECIFICATIONS

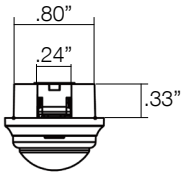
SENSOR TYPE:	Passive Infrared Sensor (PIR)	**COMMISSIONING RANGE:**	50FT
INPUT VOLTAGE:	10-14VDC, >50mA	**TIME SETTING:**	10sec ~ 60min (adjustable)
LIGHT-CONTROL:	Daylight Harvesting with Automatic Dimming	**DETECTION ANGLE:**	360°
CONTROL OUTPUT:	0-10V, Max. 25mA sinking current	**MOUNTING HEIGHT:**	12FT Max.
OPERATING TEMP:	-4°F ~ +140°F (-20°C ~ +60°C)	**WARRANTY:**	5 years
		IP RATING:	IP20

DIMENSIONS



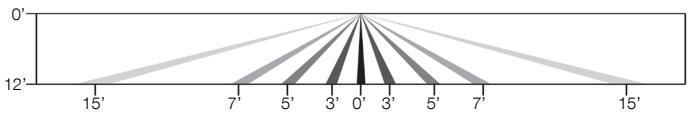




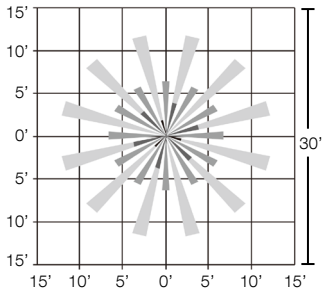


COVERAGE PATTERNS

SIDE VIEW (in feet)



TOP VIEW (in feet)



ORDER CODE — EXAMPLE: SENSOR-BLE-IFS06R

A **SERIES**

SENSOR-BLE-IFS06R Integral PIR Bluetooth on/off/dimming/photosensing (14V DC Power by Driver)

ALS CONTROL

REMOTE-RC100 SENSOR REMOTE PROGRAMMER

Client:
Project:
Type:
Quantity:

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-IFS06R	SENSOR-BLE-6-4T SENSOR-BLE-7 SENSOR-BLE-7D SENSOR-BLE-819 SENSOR-BLE-619 SENSOR-BLE-IFS06R CONTROL-BLE-5-4T WALLSWITCH-BLE-101 WALLSWITCH-BLE-204

Dimension

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

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 Akaline batteries

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.

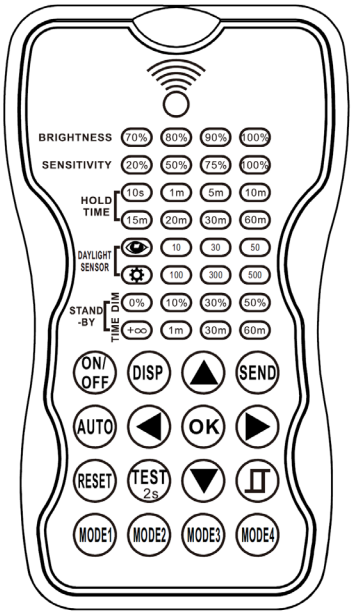
DAYLIGHT SENSOR
Set the threshold of natural light (in 10, 30, or 50) as setpoint to light on automatically for the sensor. If natural light is above the selected threshold, fixture will shut off
Set daylight (in 100, 300, 500) as setpoint to light off.

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.

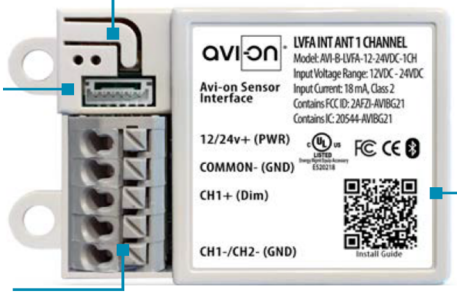
TEST
Used to test sensitivity of occupancy sensing.
Press Test, then the fixture will enter Test Mode, where Hold Time is only 2s.
While Test Mode is active, Stand-By and Daylight sensing will be disabled.
Press Auto to exit Test Mode.

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.

LW4A-G2 SERIES SELECTABLE WRAP STRIP

CONTROL-LVFA SPEC



Status LEDs & Config Button
Quick and easy validation of wiring and network

Direct Connect™ Sensor Port
Simple and cost-effective addition to Avi-on sensors

Terminal Blocks & Mounting Tabs
Faster, easier and lower cost installation eliminating connectors

Internal Antenna
Improved performance and eliminates risk of accidentally cutting a hanging wire

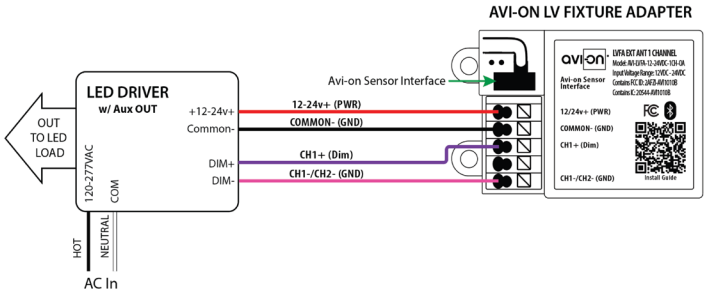
SPECIFICATIONS

INPUT VOLTAGE:	12-24VDC
CURRENT:	15mA without a Sensor 19mA with a DC PIR Sensor 48mA with a DC Microwave Sensor
0-10V DIMMING:	12-24VDC
SIZE:	2.30in x 1.43in x 0.75in (58.2mm x 36.4mm x 19mm)
MOUNTING:	Removable mounting tabs
WEIGHT:	0.45 oz (16g)
OPERATING TEMP:	-22°F to +158°F (-30°C to + 70°C)

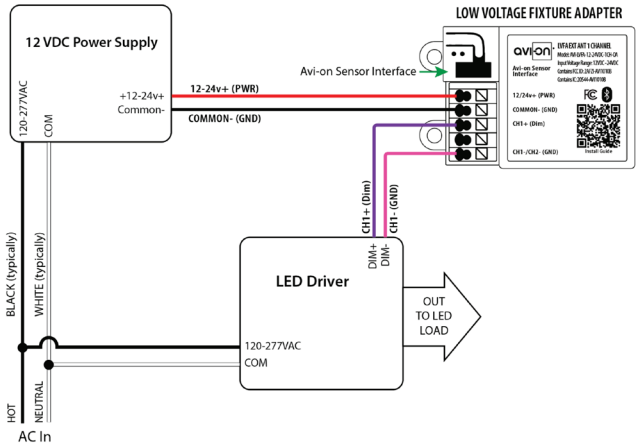
RADIO FREQUENCY:	2.4GHz
WIRELESS STANDARD:	BLE 4.2 with Mesh
POINT TO POINT RANGE*:	80ft with obstructions 350ft unobstructed
SECURITY:	AES 128-bit encryption for device to device communication AES 256-bit encryption for device to cloud communication
WARRANTY:	5 years; 10 years optional
REGULATORY:	FCC: 2AFZI-AVI1010 B IC: 20544-AVI1010 B BQB: D031801, DID: 86303 UL 916, 2043 (Plenum Rated)

*When communicating through the mesh, range is essentially unlimited (5000ft+)

WIRING DIAGRAM



Fixture adapter powered by LED driver auxiliary output



Fixture adapter connected to LED driver and using power supply