ALS®
Advantage Lighting Solutions

WFA SERIES SLIM FULL CUTOFF WALL PACK

CONSTRUCTION

Sleek and modern design, die-cast aluminum housing, rugged design protects internal components and provides excellent thermal management.
Hidden door assembly hinges on the side, cast aluminum housing with 1/2" conduit entries (on top and side) for surface conduit.

OPTICS

Full cut-off distribution conform to dark sky requirement - individual acrylic LED optics provide IES Type IV distribution.
Standard model - Light engines available between 4000K, 5000K (80+ CRI)
SC model - Light engines are selectable between 3000K, 4000K, and 5000K (80+ CRI) configurations.

ELECTRICAL

80+ CRI Lumileds LED.
-40°C up to 40°C (-40°F up to 104°F) maximum operating temperature.
>54,000 hr LED at L70.
Driver operates at 120-277V input, 50/60Hz, <20% THD, 0.9 power factor, 1-10V dimmable.
Optional 10kV surge protector.
Optional 347V / 480V Driver.
Optional Self-Diagnostic emergency back up.

SENSOR (OPTIONAL)

SENSOR-PH-PB-U Integral button style photocell.
CONTROL-AVI-ON Bluetooth Mesh Controller.

MOUNTING

Wall mount over electrical box or via surface conduit.

STANDARD FINISH

Corrosion resistant Dark Bronze powder coating finish.

CUSTOM FINISH

Black, Graphite Metallic, Gray, Silver, and White, or custom RAL#.

CERTIFICATION

Wet Location Listed.
Option for "Assembled in America" upon request.
IDA compliant: with 3000K color temperature selection.
Title 24 compliant; see local ordinance for qualification information.
All luminaires are built to UL1598 standards and bear appropriate cULus labels.
For Emergency application, equiped with UL924 certified battery packs.

WARRANTY

5 year warranty, see Limited Warranty for additional information.
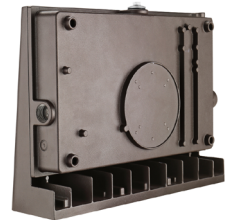
SHIPPING DATA

Product	Measurement	Weight
WFA-3SC	15"L x 5"W x 11"H	8 lb
WFA-26/38	15"L x 5"W x 11"H	8 lb
WFA-6SC	15"L x 6"W x 11"H	10 lb
WFA-65	15"L x 5"W x 11"H	10 lb
WFA-10SC	15"L x 5"W x 11"H	10 lb

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ORDER INFORMATION				EXAMPLE: WFA 3 SC DB UD	
Fixture	Series	Power & LM	CCT	Finish	Input
	WFA		SC		
Accessories Options					

A SERIES

WFA	Slim Full Cutoff Wall Pack

B POWER & LM

Code	Power
3	Selectable 17W / 23W / 30W / 38W
6	Selectable 24W / 34W / 49W / 65W
10	Selectable 42W / 62W / 84W / 100W

B POWER & LM (NON-DIMMABLE)

Code	Power
26	26W
38	38W
65	65W
100	100W
135	135W

C CCT

SC	CCT Selectable: 3000K / 4000K / 5000K

C CCT (NON-DIMMABLE)

40	4000K
50	5000K

D FINISH

Standard

DB	Dark Bronze

Custom Color

CC	BK	Black	GM	Graphite Metallic	GR	Gray
	SV	Silver	WH	White	RAL#	

E INPUT

UD	120-277V, 0-10 dimming
HD	347-480V, 0-10 dimming

E INPUT (NON-DIMMABLE)

U	120-277V, non-dimming
H	347-480V, non-dimming

F ACCESSORIES/OPTIONS

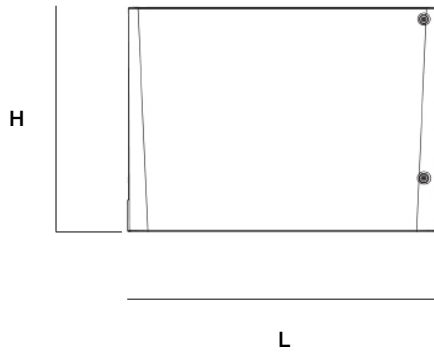| AIA	Assembled in America, compliant with BAA (COTS)
EMB-8W-B*	8W Emergency Battery 170VDC Forward Voltage
EMB-18W-C-B*	18W Integral Self-Diagnostic Cold Weather Emergency Battery
EMB-CM08D*	8W Integral Self-Diagnostic Emergency Battery for Non-Dimmable Fixture
SENSOR-PH-PB-U*	Button Style Photocell
CONTROL-LVFA*	AVI-ON Bluetooth Mesh Control System
SURGE-LSP4-U / H	10kV inline Surge Protection for Universal input / **U:** 120-277V, **H:** 480V input

*see page 5 for sensor and emb spec

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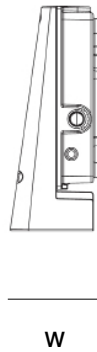
DIMENSIONS

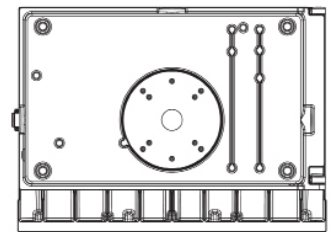| Model	L	W	H
WFA-3 / 6 WFA-26 / 38 WFA-65 / 100 / 135	13.1" (333mm)	3.8" (98mm)	9.6" (243mm)
WFA-10	13.2" (335mm)	5.0" (126mm)	9.6" (243mm)

Front

Side

Back

H

L

W

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PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	3000K		4000K		5000K	
		LUMEN	LPW	LUMENS	LPW	LUMENS	LPW
WFA-3 (17W)	120-277V	2,414	142	2,618	154	2,482	146
WFA-3 (23W)	120-277V	3,266	142	3,634	158	3,358	146
WFA-3 (30W)	120-277V	4,410	147	4,740	158	4,500	150
WFA-3 (38W)	120-277V	5,586	147	6,004	158	5,700	150
WFA-26	120-277V	3,800	146	3,900	150	3,900	150
WFA-38	120-277V	-	-	5,700	150	5,700	150
WFA-65	120-277V	-	-	9,685	149	9,685	149
WFA-6 (24W)	120-277V	3,408	142	3,696	154	3,504	146
WFA-6 (34W)	120-277V	4,998	147	5,372	158	4,964	146
WFA-6 (49W)	120-277V	7,203	147	7,546	154	7,105	145
WFA-6 (65W)	120-277V	9,295	143	10,075	155	9,425	145
WFA-10 (42W)	120-277V	5,964	142	6,468	154	6,132	146
WFA-10 (62W)	120-277V	9,052	146	9,548	154	9,238	149
WFA-10 (84W)	120-277V	12,348	147	12,936	154	12,180	145
WFA-10 (100W)	120-277V	14,800	148	15,500	155	15,000	150
WFA-100	120-277V	-	-	15,000	150	15,000	150
WFA-135	120-277V	-	-	19,980	148	19,980	148

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SENSOR SPEC

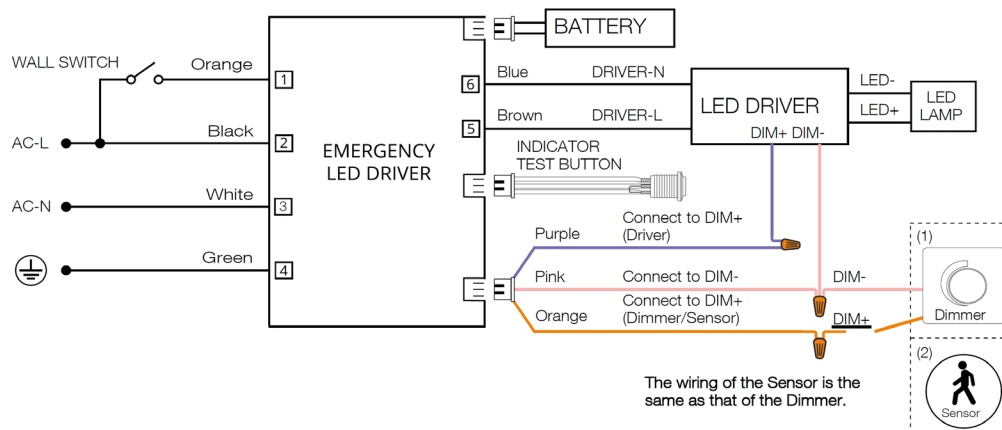| Model	Type	Mounting	Coverage	Input	Function	Programmable
SENSOR-PH-PB-U	-	-	-	Universal	Dusk-to-Dawn Control	-
CONTROL-LVFA (see page 6 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App

SENSOR-PH-PB-U   CONTROL-LVFA

EMB SPEC

Model	Battery Capacity	Input	Output	Output Power	Operating Temp	Installation
EMB-8W-B	90mins	100-347VAC	170VDC	8W	0°C ~ 50°C 32°F ~ 122°F	Factory or Field Install
EMB-CM08D	90mins	100-347VAC	170VDC	8W	0°C ~ 50°C 32°F ~ 122°F	Factory or Field Install
EMB-18W-C-B	90mins	100-347VAC	170VDC	18W	-20C ~ 50C -4°F ~ 122°F	Factory or Field Install

BATTERY

WALL SWITCH — Orange — 1

AC-L — Black — 2

AC-N — White — 3

— Green — 4

EMERGENCY LED DRIVER

Blue — DRIVER-N — 6
Brown — DRIVER-L — 5

INDICATOR TEST BUTTON

LED DRIVER
DIM+ DIM-

LED- LED+ → LED LAMP

Purple — Connect to DIM+ (Driver)
Pink — Connect to DIM-
Orange — Connect to DIM+ (Dimmer/Sensor)

DIM-
DIM+

(1) Dimmer

(2) Sensor

The wiring of the Sensor is the same as that of the Dimmer.

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CONTROL-LVFA SPEC
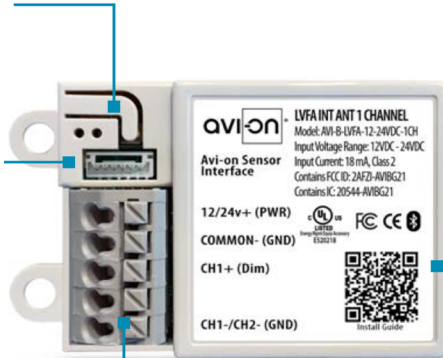

Status LEDs & Config Button
Quick and easy validation of wiring and network

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
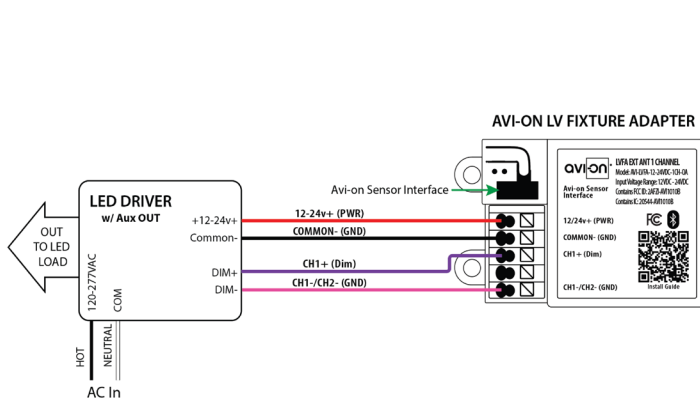
Fixture adapter powered by LED driver auxiliary output
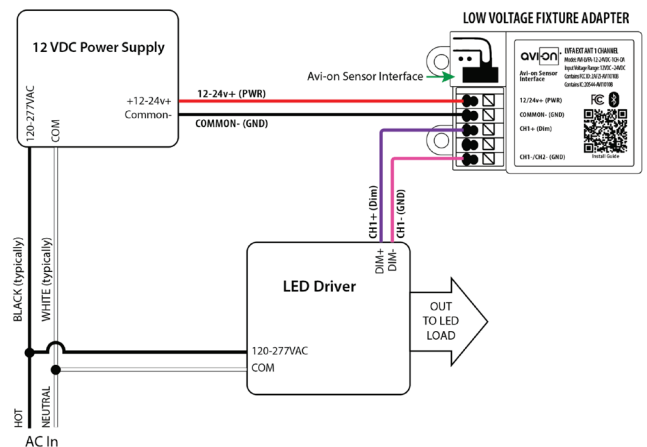
Fixture adapter connected to LED driver and using power supply

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