

WAA SERIES FULL CUTOFF WALL PACK

Client:
Project:
Type:
Quantity:

CONSTRUCTION

Die-cast aluminum housing provides durable, high-quality construction and is designed for effective heat dissipation to support reliable LED operation and long service life. Fixture is IP65 rated for wet-location outdoor applications.

OPTICS

Field-selectable optical distribution with Type II, Type III, or Type IV patterns (T2/T3/T4) adjustable. CCT and output selectable between 3000K ~ 5000K via DIP switch configuration.

ELECTRICAL

80+ CRI Lumileds LED.

-40°C up to 45°C (-40°F up to 113°F) maximum operating temperature.

150,000hr LED at L70 @ 25°C, 120,000hr LED at L70 @ 40°C.

Driver operates at 120-277V input, 50/60Hz, <15% THD, 0.9 power factor >90%.

0-10V dimming driver.

Three adjustable Wattage levels available for each model.

Optional 10kV surge protector.

Optional Self-Diagnostic emergency back up.

SENSORS (OPTIONAL)

CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.

CONTROL-BLE-SK104-PH ALS Bluetooth Fixture 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

IP65 Wet Location listed.

Meets Buy America Act requirements.

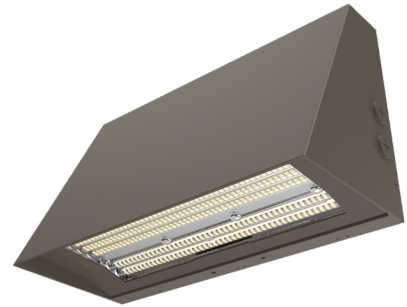
All luminaires are built to UL1598 standards and bear appropriate cULus labels.

For Emergency application, equipped with UL924 certified battery packs.

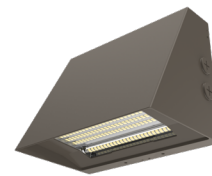
DLC® Premium (DesignLights Consortium Qualified) listed.

WARRANTY

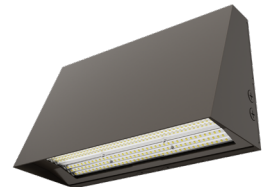
5 year warranty, see Limited Warranty for additional information.



WAA-60 / WAA-100



WAA-40



WAA-150



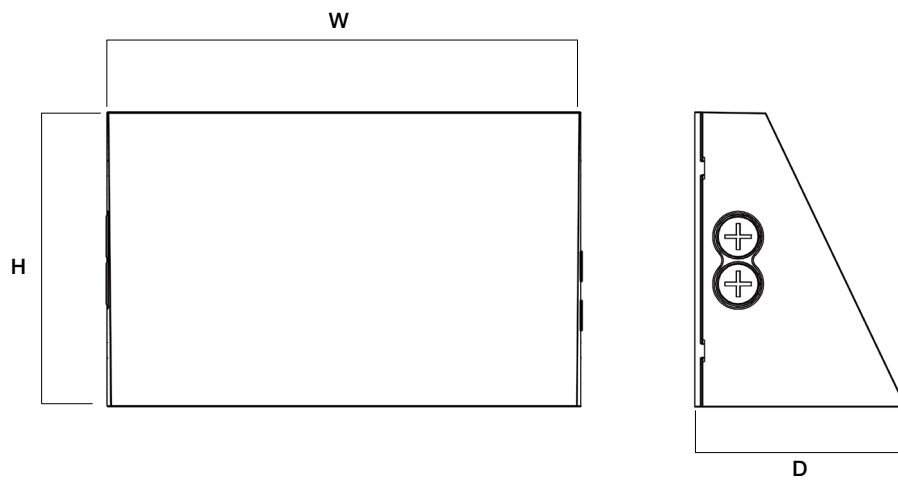
WAA SERIES FULL CUTOFF WALL PACK

ORDER INFORMATION					EXAMPLE: WAA 100 SC FA DB UNVD P		
Fixture	Series	Power & LM	CCT	Distribution	Finish	Input	Sensor
	WAA		SC	FA			P
Accessories Options							
A	SERIES						
	WAA	Full Cutoff Wall Pack					
B	POWER & LM						
	Code	Power	LM				
	40	Field Selectable 25W / 30W / 40W		3,500lm ~ 5,600lm			
	60	Field Selectable 40W / 50W / 60W		5,600lm ~ 8,400lm			
	100	Field Selectable 60W / 80W / 100W		8,400lm ~ 14,000lm			
	150	Field Selectable 90W / 120W / 150W		13,500lm ~ 22,500lm			
C	CCT						
	SC	Field Selectable: 3000K / 4000K / 5000K					
D	DISTRIBUTION						
	FA	Field Selectable Distribution: Type II / Type III / Type IV					
E	FINISH						
	Standard						
	DB	Dark Bronze					
	Custom Color						
	CC	BK	Black	GM	Graphite Metallic	GR	Gray
		SV	Silver	WH	White	RAL#	
F	INPUT						
	UNVD-P	120-277V, 0-10V Dimming, with Photocell					
	HVLD-P	347-480V, 0-10V Dimming, with Photocell					
G	ACCESSORIES/OPTIONS						
	BAA	Assembled in America, compliant with BAA (COTS)					
	SURGE-LSP4-U / H	10kV inline Surge Protection for Universal input / U : 120-277V, H : 480V input					
	CONTROL-BLE-SK104-PH*	AVI-ON Bluetooth Mesh Control System (12V DC Power by Driver)					
	CONTROL-LVFA*	Integral Bluetooth Fixture Controller w/Button Photocell (ALS Control Mobile App)					
	EMB-4W-Y**	90-Minute Self-Diagnostic Emergency Battery 4W 100-347VAC Input 300VDC Output (for WAA-40)					
	EMB-9W-Y**	90-Minute Self-Diagnostic Emergency Battery 9W 100-347VAC Input 300VDC Output (for WAA-60/-100)					
	EMB-16W-Y**	90-Minute Self-Diagnostic Emergency Battery 16W 100-347VAC Input 300VDC Output (for WAA-150)					
	EMB-8W-Y-C**	90-Minute Self-Diagnostic Emergency Battery 8W 100-347VAC Input 300VDC Output -20°C-60°C (-4°-140°F) (for WAA-60/-100)					
	EMB-16W-Y-C**	90-Minute Self-Diagnostic Emergency Battery 16W 100-347VAC Input 300VDC Output -20°C-60°C (-4°-140°F) (for WAA-150)					
	*see page 5 for sensor spec						
	**see page 6 for EMB spec						

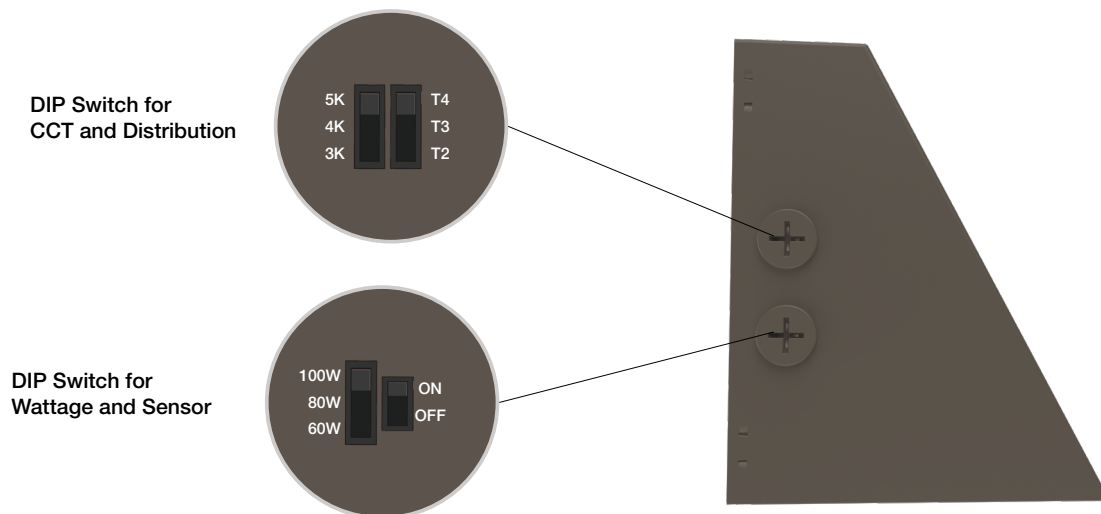
WAA SERIES FULL CUTOFF WALL PACK

DIMENSIONS

Model	W	H	D
WAA-40	8.3" (211mm)	6.69" (170mm)	5.43" (138mm)
WAA-60 / -100	13.34" (339mm)	8.26" (210mm)	5.86" (149mm)
WAA-150	16.92" (430mm)	10.62" (270mm)	7.12" (181mm)



OPTIC ADJUSTABLE



WAA SERIES FULL CUTOFF WALL PACK

PERFORMANCE DATA / DLC CODE

MODEL	SYSTEM WATTS	LUMEN	LPW	DLC PRODUCT ID / ORDER CODE	DLC CLASS
WAA-40	25W	3500	140	pending	DLC 5.1 Premium
	30W	4200			
	40W	5600			
WAA-60	40W	5600	140	pending	DLC 5.1 Premium
	50W	7000			
	60W	8400			
WAA-100	60W	8400	140	pending	DLC 5.1 Premium
	80W	11200			
	100W	14000			
WAA-150	90W	13500	150	pending	DLC 5.1 Premium
	120W	18000			
	150W	22500			

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SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
CONTROL-LVFA (see page 7 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App
CONTROL-BLE-SK104-PH (see page 8 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling CCT Tuning	AVI-ON Bluetooth Mobile App



CONTROL-LVFA



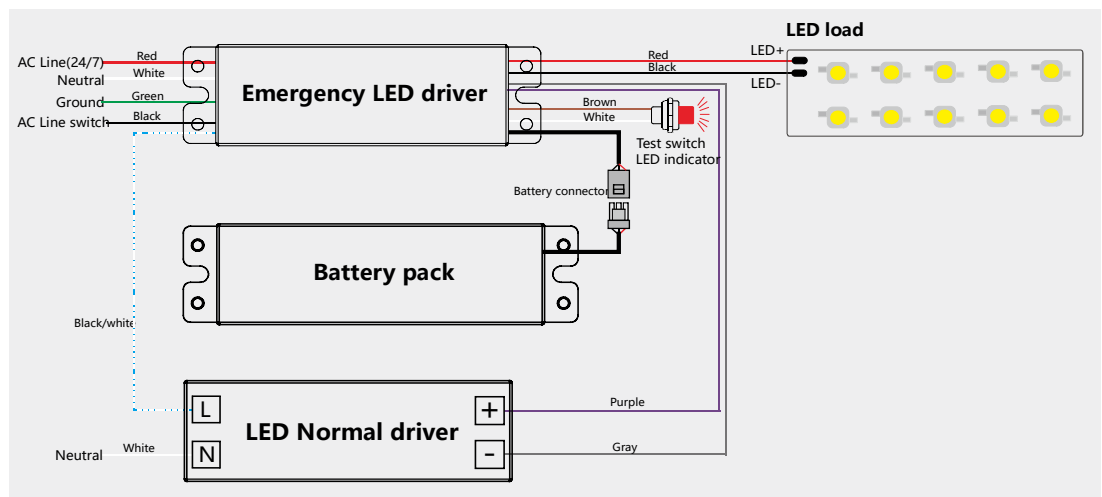
CONTROL-BLE-SK104-PH

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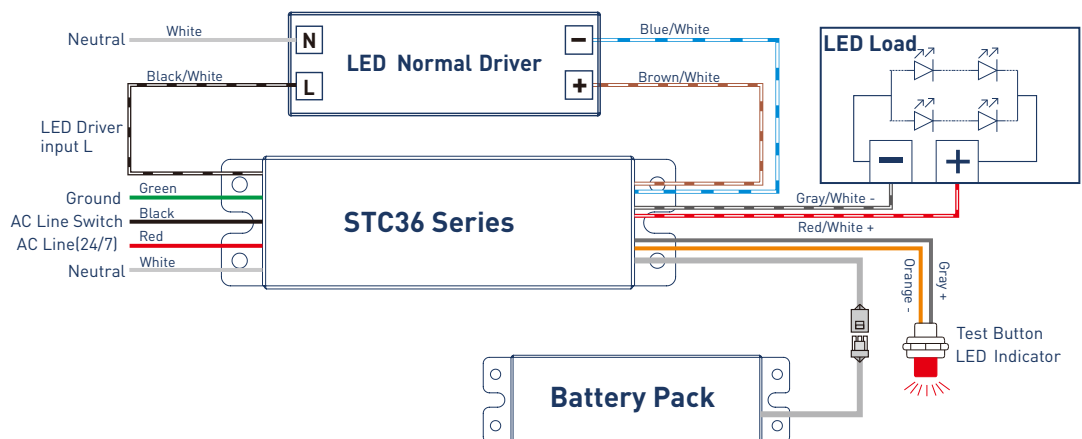
EMB SPEC

Model	Battery Capacity	Input	Output	Output Power	Operating Temp	Installation
EMB-4W-Y	90mins	100-347VAC	300VDC	4w	0°C ~ 60°C 32°F ~ 140°F	Factory or Field Install
EMB-9W-Y	90mins	100-347VAC	300VDC	9w	0°C ~ 60°C 32°F ~ 140°F	Factory or Field Install
EMB-16W-Y	90mins	100-347VAC	300VDC	16w	0°C ~ 60°C 32°F ~ 140°F	Factory or Field Install
EMB-8W-Y-C	90mins	100-347VAC	300VDC	8w	-20°C ~ 60°C -4°F ~ 140°F	Factory or Field Install
EMB-16W-Y-C	90mins	100-347VAC	300VDC	16w	-20°C ~ 60°C -4°F ~ 140°F	Factory or Field Install

EMB-4W-Y
EMB-9W-Y
EMB-16W-Y



EMB-8W-Y-C
EMB-16W-Y-C



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CONTROL-LVFA SPEC

Status LEDs & Config Button

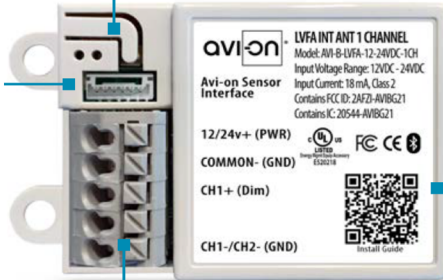
Quick and easy validation of wiring and network

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

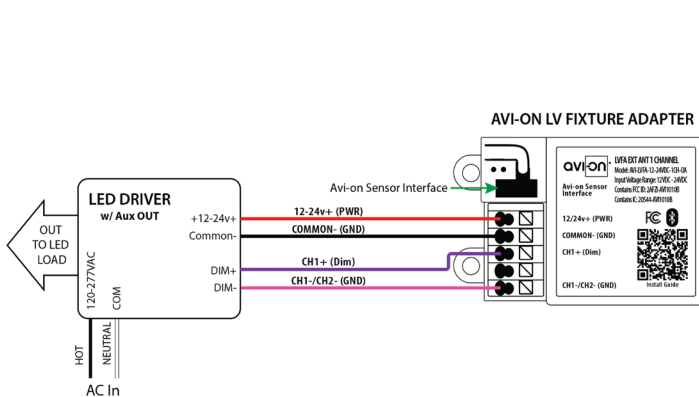
SPECIFICATIONS

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)

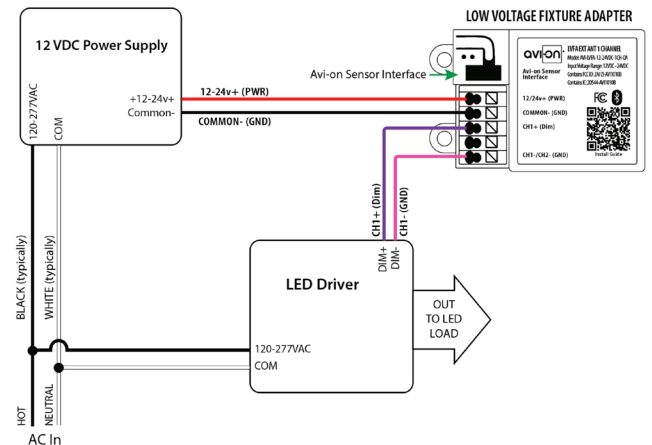
RADIO FREQUENCY: 2.4GHz
WIRELESS STANDARD: BLE 4.2 with Mesh
POINT TO POINT RANGE*: 80ft with obstructions
 350ft unobstructed
SECURITY: AES 128-bit encryption for device to device communication
 AES 256-bit encryption for device to cloud communication
WARRANTY: 5 years; 10 years optional
REGULATORY: 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

FEATURE

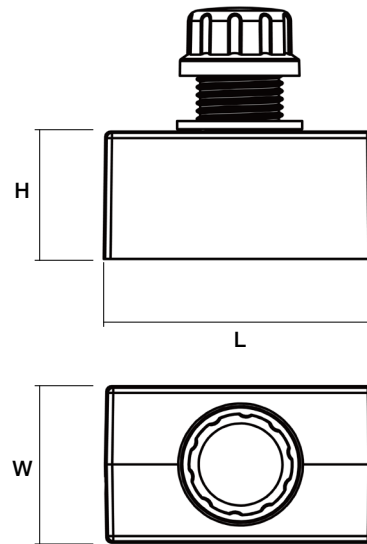
- **Installation:** Factory / Jobsite install through 1/2" knockout hole, 12V AUX power required
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** High-End Trim, Zoning, Continuous Bi-level Dimming
- **CCT Tuning:** CCT Tuning feature for Dual/Multi-CCT LED board fixture only
- **Sensor:** Photocell
- **Zone Control:** Zoning and Grouping control, Scheduling



SPECIFICATIONS

SENSOR TYPE:	Photocell
WIRELESS STANDARDS:	5.0 Bluetooth Mesh
INPUT VOLTAGE:	12-14VDC, >50mA
CONTROL OUTPUT:	0-10V
OPERATING TEMP:	-40°F ~ +158°F (-40°C ~ +70°C)
COMMISSIONING RANGE:	50FT
BLUETOOTH RANGE:	100FT
DETECTION ANGLE:	360°
WARRANTY:	5 years
IP RATING:	IP65

DIMENSIONS



L	H	W
1.14" (29mm)	0.94" (24mm)	1.97" (50mm)

WIRING DIAGRAM

