

WBA SERIES FORWARD THROW ADJUSTABLE

Client:
Project:
Type:
Quantity:

CONSTRUCTION

Cast aluminum frame holds lens and seals to housing gasket with two stainless steel screws. Door assembly hinges to side, cast aluminum housing with three 1/2" conduit entries (on top and sides), for surface conduit. Casting thermally conducts LED heat to optimize performance and long life.

OPTICS

UV stabilized polycarbonate refractor softens LED image and provides uniform distribution and glare control. Click-adjustable throw allows field set the distribution angle (0°, 15°, 30°, 45°). CCT and output selectable between 3000K ~ 5000K configuration settings.

ELECTRICAL

80+ CRI Lumileds LED.
-40°C up to 40°C (-40°F up to 104°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, button photocontrol standard included.
Four adjustable Wattage levels available for each model.
Optional 10kV surge protector.
Optional Self-Diagnostic emergency back up.
Optional Self-Diagnostic Sub-Zero emergency back up.

SENSORS (OPTIONAL)

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

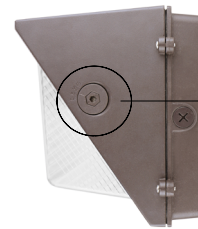
Black, Graphite Metallic, Gray, Silver, and White, or custom RAL#

CERTIFICATION

Wet Location listed.
Meets Buy America Act requirements.
IDA compliant: with 3000K color temperature selection.
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.



Forward Throw Adjustable Dial

- 0°
- 15°
- 35°
- 45°

SHIPPING DATA

Product	Measurement	Weight
WBA-60	15"L x 8"W x 10"H	10 lb
WBA-100	15"L x 8"W x 10"H	10 lb
WBA-150	19"L x 10"W x 10"H	13 lb



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ORDER INFORMATION					EXAMPLE: WBA 150 MC DB UNVD P		
Fixture	Series	Power & LM		CCT	Finish	Input	Sensor
	WBA			SC			P
Accessories Options							
A	SERIES						
	WBA	Forward Throw Adjustable Wall Pack					
B	POWER & LM						
	Code	Power			LM		
	60	Selectable 24W / 36W / 48W / 60W			3,900lm ~ 8,900lm		
	100	Selectable 40W / 60W / 80W / 100W			6,000lm ~ 14,000lm		
	150	Selectable 60W / 90W / 120W / 150W			9,000lm ~ 22,000lm		
C	CCT						
	SC	Selectable: 3000K / 4000K / 5000K					
D	FINISH						
	Standard						
	DB	Dark Bronze					
	Custom Color						
	CC	BK	Black	GM	Graphite Metallic	GR	Gray
		SV	Silver	WH	White	RAL#	
E	INPUT						
	UNVD-P	120-277V, 0-10V Dimming, with Photocell					
	HVLD-P	347-480V, 1-10V Dimmable, with Photocell					
G	ACCESSORIES/OPTIONS						
	AIA	Assembled in America, compliant with BAA (COTS)					
	WIREGUARD-WBA-__	Wireguard, specify: A: WBA-60 / 100, B: WBA-150					
	SHIELD-WBA-__	Glare Shield, specify: A: WBA-60 / 100, B: WBA-150					
	EMB-8W-B**	High Voltage Output Smart Emergency Battery 8W 100-347VAC Input 170VDC					
	EMB-18W-B**	High Voltage Output Smart Emergency Battery 18W 100-347VAC Input 170VDC					
	EMB-18W-C-B**	High Voltage Output Smart Cold Weather Emergency Battery 18W 100-347VAC Input 170VDC Output					
	SENSOR-ANT-6-4T**	Plug-N-Play PIR on/off/dimming/photosensing					
	SENSOR-ANT-6-4T-EM*	Plug-N-Play PIR on/off/dimming/photosensing with EMB					
	SENSOR-BLE-6-4T**	Plug-N-Play Integral Bluetooth Daylight Harvesting Sensor (ALS Control Mobile App)					
	REMOTE-RC100	Handheld Remote Commissioning Tool for SENSOR-ANT (1 per job)					
	SURGE-LSP4-U / H	10kV inline Surge Protection for Universal input / U: 120-277V, H: 480V input					
	CONTROL-LVFA*	AVI-ON Bluetooth Mesh Control System					

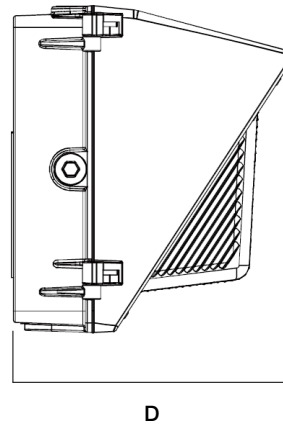
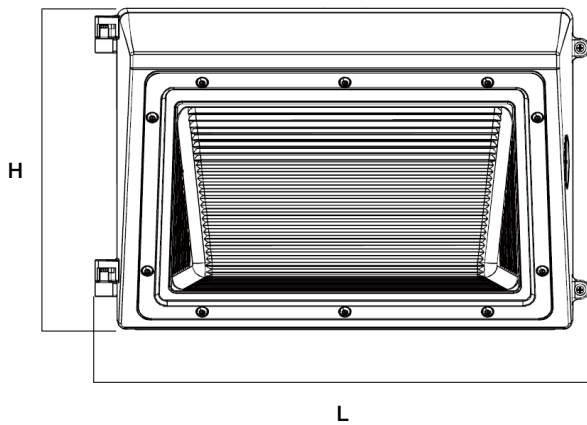
*see page 5 for sensor spec

**see page 6 for emb spec

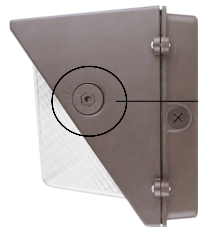
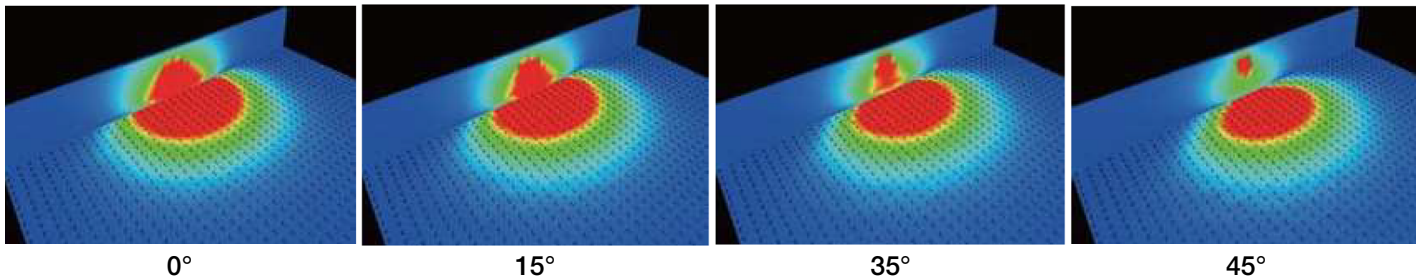
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DIMENSIONS

Model	H	L	D
WBA-60 / 100	9.25" (235mm)	14.20" (361mm)	7.73" (196mm)
WBA-150	9.75" (248mm)	17.99" (457mm)	9.76" (234mm)



FORWARD THROW ADJUSTABLE



Forward Throw Adjustable Dial

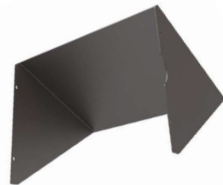
- 0°
- 15°
- 35°
- 45°

ACCESSORIES

Glare Shield

SHIELD-WBA-A (1:1)
60W & 100W housing

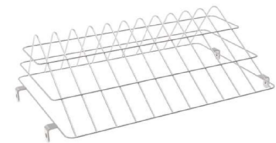
SHIELD-WBA-B (1:1)
150W housing



Wireguard

WIREGUARD-WBA-A (1:1)
60W & 100W housing

WIREGUARD-WBA-150 (1:1)
150W housing



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PERFORMANCE DATA / DLC CODE

SYSTEM WATTS	CCT	VOLTAGE	LUMEN	LPW	PART NUMBER	DLC PRODUCT ID / ORDER CODE	DLC CLASS
WBA-60 24W Selection	3000K	120-277V	3900	163	WBA-60SC-DBUNVD-P	pending	DLC 5.1 Premium
	4000K	120-277V	4200	175			
	5000K	120-277V	4000	167			
WBA-60 36W Selection	3000K	120-277V	5600	156	WBA-60SC-DBUNVD-P	pending	DLC 5.1 Premium
	4000K	120-277V	6000	167			
	5000K	120-277V	5700	158			
WBA-60 48W Selection	3000K	120-277V	7100	148	WBA-60SC-DBUNVD-P	pending	DLC 5.1 Premium
	4000K	120-277V	7500	156			
	5000K	120-277V	7300	152			
WBA-60 60W Selection	3000K	120-277V	8400	140	WBA-60SC-DBUNVD-P	pending	DLC 5.1 Premium
	4000K	120-277V	8900	148			
	5000K	120-277V	8600	143			
WBA-100 40W Selection	3000K	120-277V	6000	150	WBA-100SC-DBUNVD-P	pending	DLC 5.1 Premium
	4000K	120-277V	6600	165			
	5000K	120-277V	6250	156			
WBA-100 60W Selection	3000K	120-277V	8700	145	WBA-100SC-DBUNVD-P	pending	DLC 5.1 Premium
	4000K	120-277V	9500	158			
	5000K	120-277V	9000	150			
WBA-100 80W Selection	3000K	120-277V	11000	138	WBA-100SC-DBUNVD-P	pending	DLC 5.1 Premium
	4000K	120-277V	12000	150			
	5000K	120-277V	11400	143			
WBA-100 100W Selection	3000K	120-277V	13000	130	WBA-100SC-DBUNVD-P	pending	DLC 5.1 Premium
	4000K	120-277V	14000	140			
	5000K	120-277V	13500	135			
WBA-150 60W Selection	3000K	120-277V	9000	150	WBA-150SC-DBUNVD-P	pending	DLC 5.1 Premium
	4000K	120-277V	10000	167			
	5000K	120-277V	9600	160			
WBA-150 90W Selection	3000K	120-277V	13000	144	WBA-150SC-DBUNVD-P	pending	DLC 5.1 Premium
	4000K	120-277V	14500	161			
	5000K	120-277V	13800	153			
WBA-150 120W Selection	3000K	120-277V	16500	138	WBA-150SC-DBUNVD-P	pending	DLC 5.1 Premium
	4000K	120-277V	18500	154			
	5000K	120-277V	17500	146			
WBA-150 150W Selection	3000K	120-277V	20000	133	WBA-150SC-DBUNVD-P	pending	DLC 5.1 Premium
	4000K	120-277V	22000	147			
	5000K	120-277V	21000	140			

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SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
Button Photocell	-	Integral	-	12V	Dusk-to-Dawn Control	Removable Cap
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 (see page 7 for detail)	PIR	up to 40FT	30FT radius	12V DC	Bluetooth Mesh On/Off/Dimming Daylight Harvesting	ALS Control Bluetooth Mobile App
CONTROL-LVFA (see page 7 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App



SENSOR-PH-PB-U



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

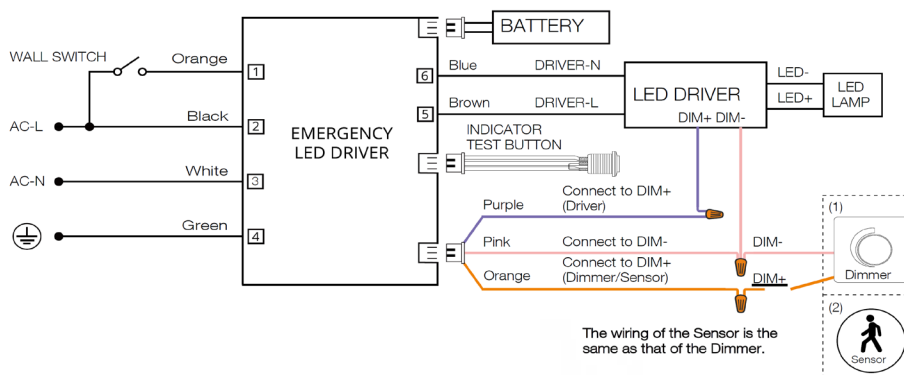


CONTROL-AVI-LVFA

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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-18W-B	90mins	100-347VAC	170VDC	18W	0°C ~ 50°C 32°F ~ 122°F	Factory or Field Install
EMB-18W-C-B	90mins	100-347VAC	170VDC	18W	-20°C ~ 50°C -4°F ~ 122°F	Factory or Field Install



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SENSOR SPEC

FEATURE

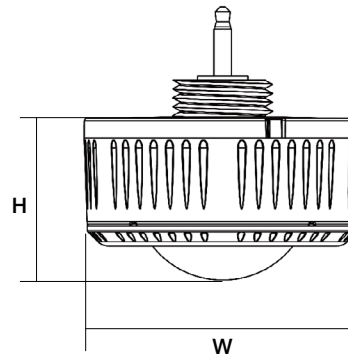
- **Installation:** Plug-N-Play via AUX socket on attached fixture
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** Hold time, High-Low setting, continuous Bi-level dimming, Code-compliant manual-on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



SPECIFICATIONS

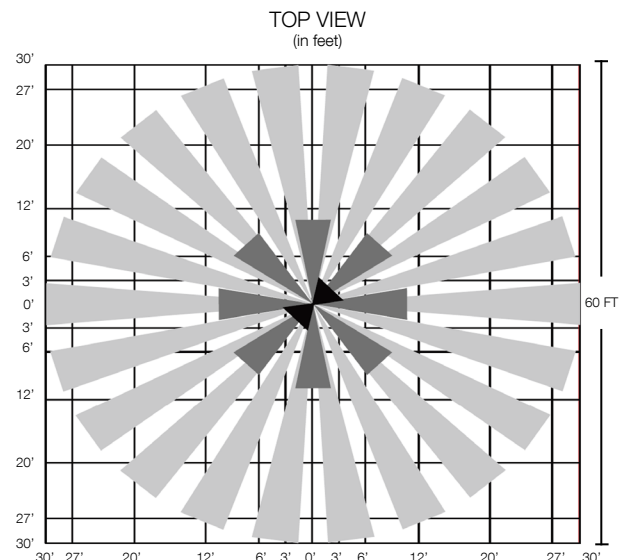
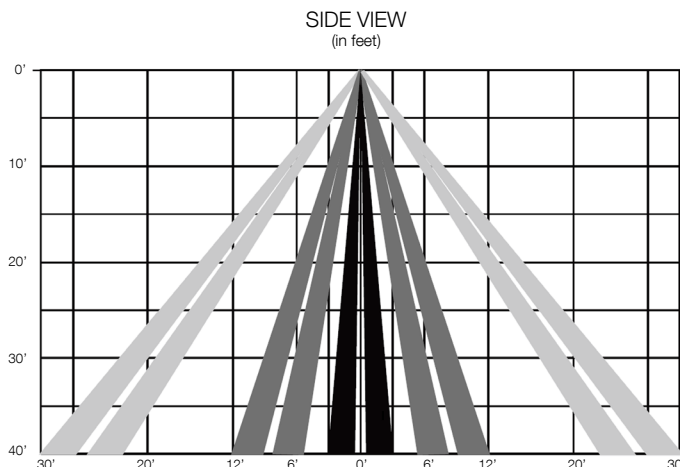
SENSOR TYPE:	Passive Infrared Sensor (PIR)
WIRELESS STANDARDS:	5.0 Bluetooth Mesh
INPUT VOLTAGE:	12-24VDC, >50mA
CONTROL OUTPUT:	0-10V
OPERATING TEMP:	-4°F ~ +140°F (-20°C ~ +60°C)
COMMISSIONING RANGE:	50FT
BLUETOOTH RANGE:	164FT
DETECTION ANGLE:	360°
MOUNTING HEIGHT:	Up to 40FT
WARRANTY:	5 years
IP RATING:	IP65

DIMENSIONS



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

COVERAGE PATTERNS



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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

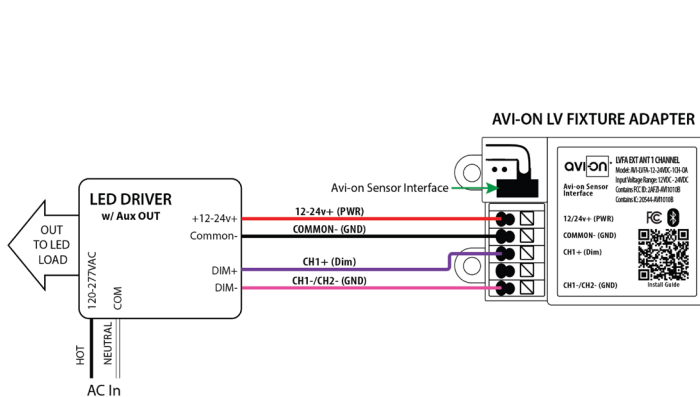
SPECIFICATIONS

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)

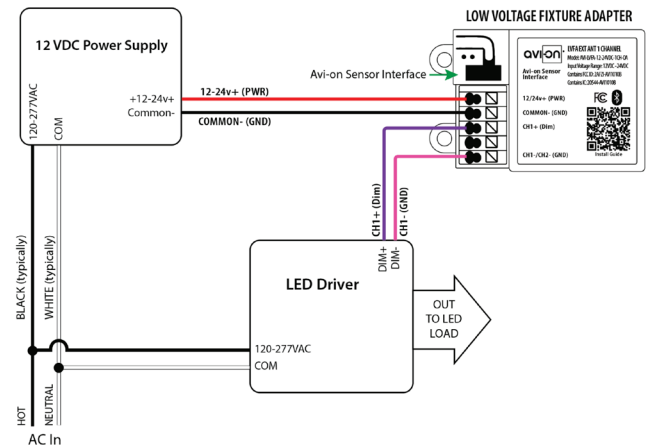
RADIO FREQUENCY: 2.4GHz
WIRELESS STANDARD: BLE 4.2 with Mesh
POINT TO POINT RANGE*: 80ft with obstructions
 350ft unobstructed
SECURITY: AES 128-bit encryption for device to device communication
 AES 256-bit encryption for device to cloud communication
WARRANTY: 5 years; 10 years optional
REGULATORY: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