Client:
Project:
Type:
Quantity:

WBA SERIES FORWARD THROW ADJUSTABLE

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 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 photocell 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)
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#

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

CERTIFICATION
Wet Location listed.
TAA compliant.
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.

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WBA SERIES FORWARD THROW ADJUSTABLE

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

BAA	Assembled in America, compliant with BAA (COTS)
EMB-8W-B**	90-Minute Self-Diagnostic Emergency Battery 8W 100-347VAC Input 170VDC Output (only for WBA-80)
EMB-18W-B**	90-Minute Self-Diagnostic Emergency Battery 18W 100-347VAC Input 170VDC Output
EMB-18W-C-B**	90-Minute Self-Diagnostic Emergency Battery 18W 100-347VAC Input 170VDC Output -20°C-50°C (-4°F-122°F)
SURGE-LSP4-U / H	10kV inline Surge Protection for Universal input / **U:** 120-277V, **H:** 480V input
CONTROL-BLE-SK104-PH	Integral Bluetooth Fixture Controller w/Button Photocell (ALS Control Mobile App)
CONTROL-LVFA*	AVI-ON Bluetooth Mesh Control System

*see page 5 for sensor spec

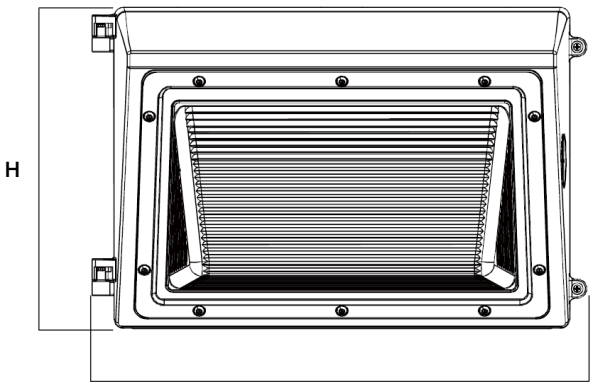
**see page 6 for emb spec

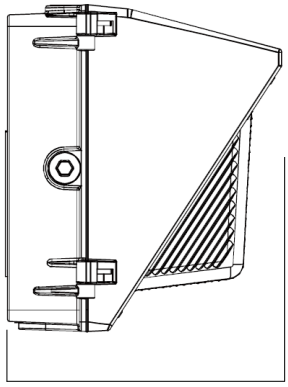
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WBA SERIES FORWARD THROW ADJUSTABLE

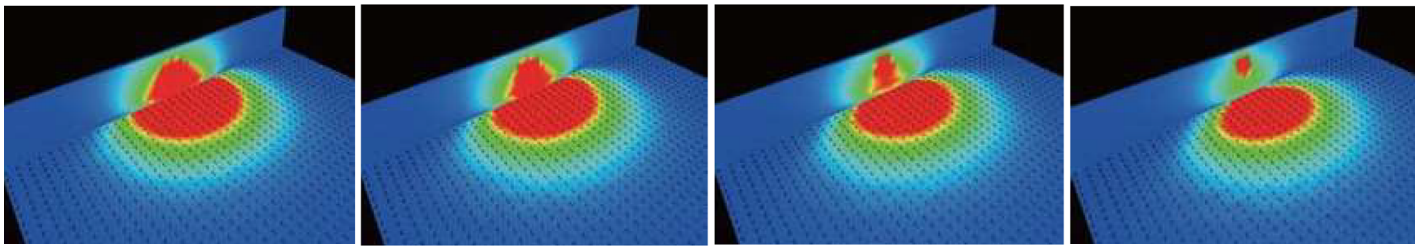
DIMENSIONS

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)

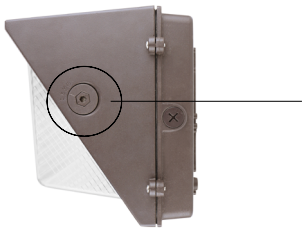




FORWARD THROW ADJUSTABLE



0° 15° 35° 45°



Forward Throw Adjustable Dial

- 0°
- 15°
- 35°
- 45°

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WBA SERIES FORWARD THROW ADJUSTABLE

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			

WBA SERIES FORWARD THROW ADJUSTABLE

SENSOR SPEC

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



CONTROL-LVFA

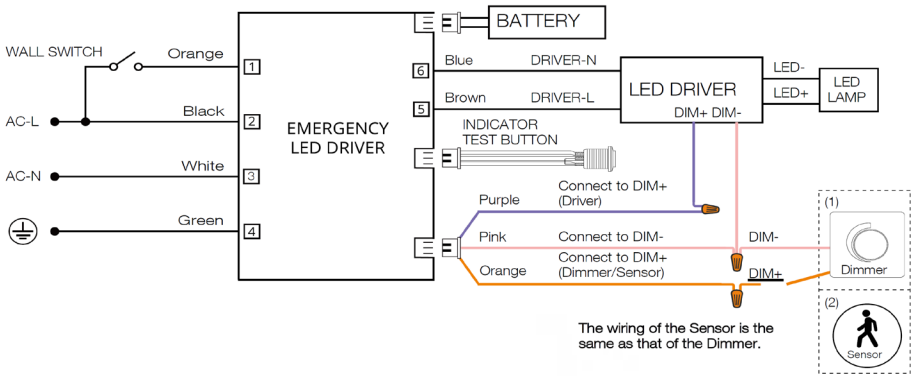


CONTROL-BLE-SK104-PH

WBA SERIES FORWARD THROW ADJUSTABLE

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



ALS CONTROL

CONTROL-BLE-SK104-PH BLUETOOTH CONTROLER

Client:
Project:
Type:
Quantity:

FEATURE

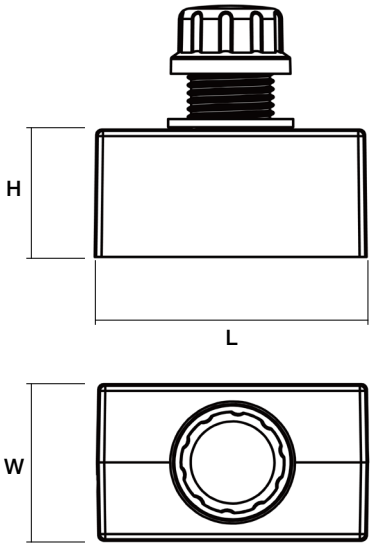
- **Installation:** Factory / Jobsite install through 1/2” knockout hole, 12V AUX power required
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** High-End Trim, Zoning, Continuous Bi-level Dimming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



SPECIFICATIONS

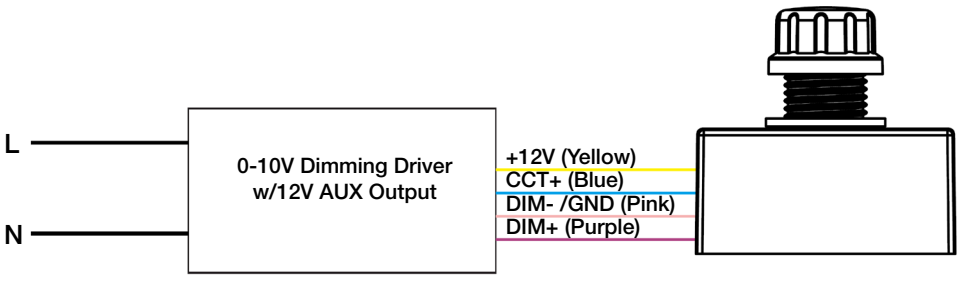
SENSOR TYPE:	Photocell
WIRELESS STANDARDS:	5.0 Bluetooth Mesh
INPUT VOLTAGE:	12-14VDC, >50mA
CONTROL OUTPUT:	0-10V
OPERATING TEMP:	-40°F ~ +158°F (-40°C ~ +70°C)
COMMISSIONING RANGE:	50FT
BLUETOOTH RANGE:	100FT
DETECTION ANGLE:	360°
WARRANTY:	5 years
IP RATING:	IP65

DIMENSIONS



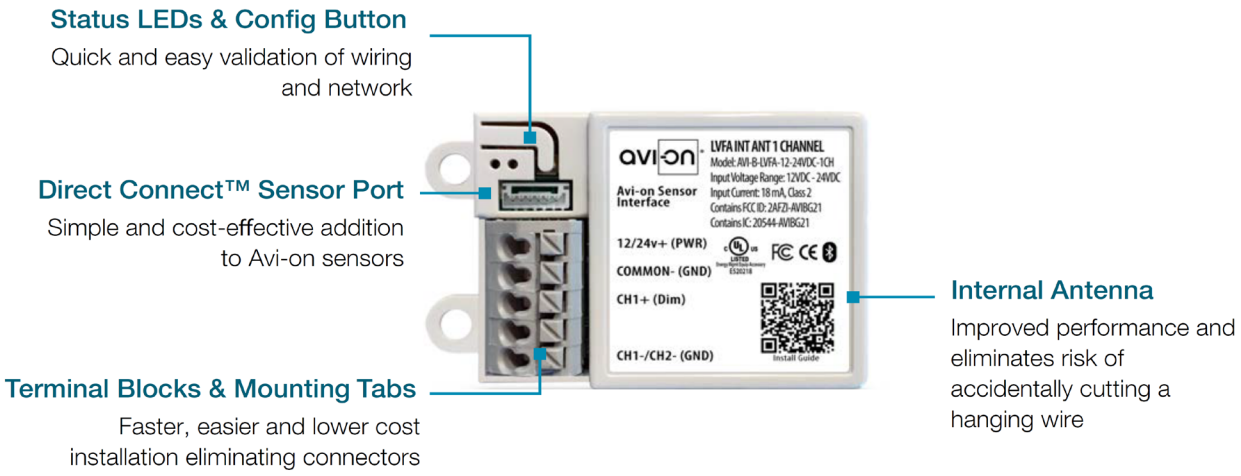
L	H	W
1.14” (29mm)	0.94” (24mm)	1.97” (50mm)

WIRING DIAGRAM



WBA SERIES FORWARD THROW ADJUSTABLE

CONTROL-LVFA SPEC



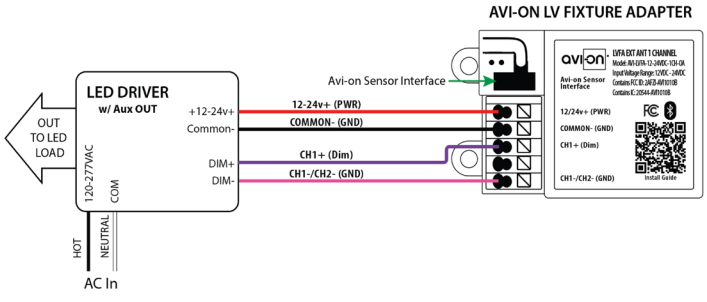
SPECIFICATIONS

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)

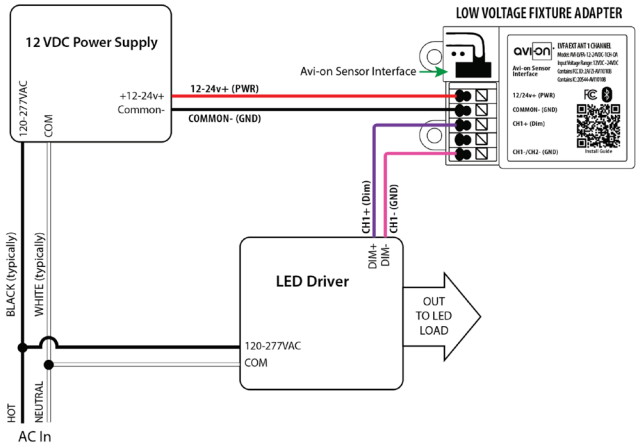
RADIO FREQUENCY:	2.4GHz
WIRELESS STANDARD:	BLE 4.2 with Mesh
POINT TO POINT RANGE*:	80ft with obstructions 350ft unobstructed
SECURITY:	AES 128-bit encryption for device to device communication AES 256-bit encryption for device to cloud communication
WARRANTY:	5 years; 10 years optional
REGULATORY:	FCC: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