ALS®
Advantage Lighting Solutions

BL3A SERIES ARCHITECTURAL BOLLARD

CONSTRUCTION
Low profile extruded aluminum shaft with thick side walls for excellent durability, Features a sleek, modern design and carefully engineered to provide long-lasting, energy-efficient lighting. Die-cast aluminum mounting base allows for easy leveling even in sloped locations and a full 360-degree rotation for precise alignment during installation.

OPTICS
Polycarbonate lens offer glare-free uniform illumination.
Efficacy at 110 lm/W.

ELECTRICAL
80+ CRI.
-30°C up to 45°C (-22°F up to 113°F) maximum operating temperature.
Designed for an expected life >50,000 hours.
L_{90} 57,000 hours, L_{80} 150,000 hours, L_{70} 236,000 hours, Ta = 25°C.
CCT selectable light engine 3000K ~ 5000K.
Driver operates at 120-277V, 50/60 Hz 1-10V dimmable driver, down to 10%.
>.9 power factor, 6kV line-line surge protection standard. Optional 10kV surge protection.

CONTROL (OPTIONAL)
CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.

STANDARD FINISH
Corrosion resistant Black powder coating finish.
CUSTOM FINISH
Corrosion resistant Dark Bronze, Graphite Metallic, Gray, Silver, White, Custom RAL#

SHIPPING DATA

Product	Measurement	Weight
BL3A-22	49"L x 9"W x 9"H	18 lb

CERTIFICATION
Meets Buy America Act requirements.
IP66 Wet location label listed.
IK10 rated.
Category of corrosion - C3.
All luminaires are built to UL1598 standards and bear appropriate cULus labels.
For Emergency application, equipment with UL924 certified battery packs.

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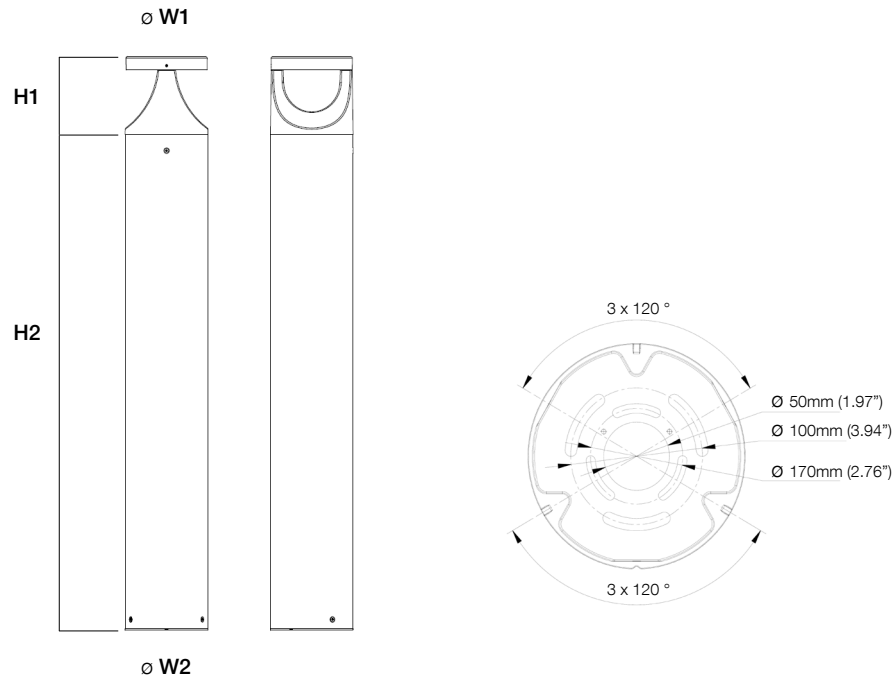5 year warranty, see Limited Warranty for additional information.

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Specifications are subject to change without notice

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BL3A SERIES ARCHITECTURAL BOLLARD

ORDER INFORMATION						EXAMPLE : BL3A 22 SC 36 BK UD
Fixture	Series	Power & LM	CCT	Shaft Size	Finish	Input
	BL3A	22	SC	36		

**Accessories
Options**

A	SERIES
BL3A	Architectural Bollard

B	POWER & LM	
Code	**Power**	**LM**
22	Field Selectable 6.6W / 11W / 16.5W / 22W	726lm / 1,210lm / 1,815lm / 2,420lm

C	CCT
SC	Field Selectable 3000K / 4000K / 5000K

D	SHAFT SIZE
36	36 inch (Fixture Overall Height 41.86 inch)

E	FINISH					
Standard						
BK	Black					
Custom Color						
CC	DB	Dark Bronze	GM	Graphite Metallic	GR	Gray
	SV	Silver	WH	White	RAL#	

F	INPUT
UD	120-277V, 1-10 Dimming

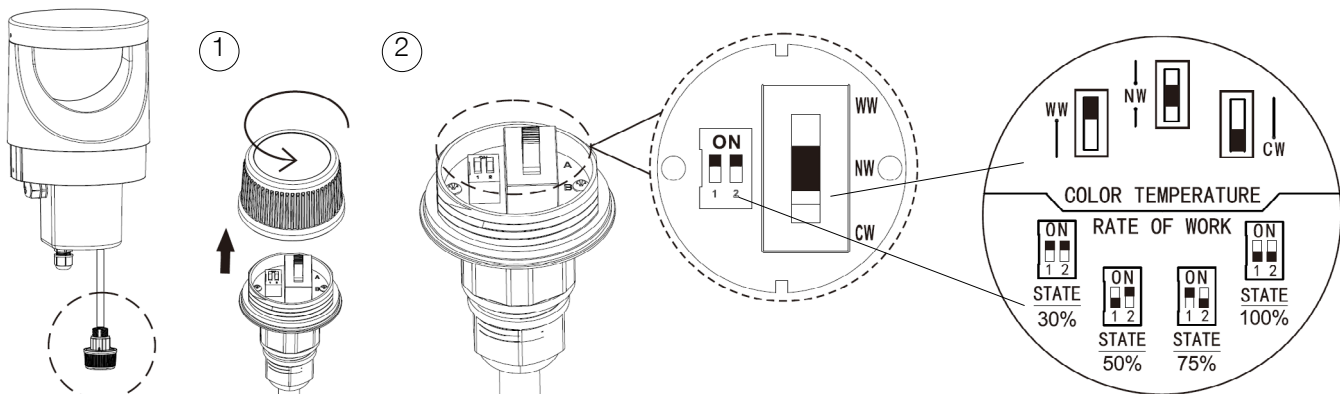| G	ACCESSORIES/OPTIONS
AIA	Assembled in America, compliant with BAA (COTS)
MOUNT-BL3A-BOLTS	Anchor Bolts Set (included with packaging)
EMB-8W-B*	Self-Diagnostic High Voltage Output Emergency Battery 8W 100-347VAC Input 170VDC Output
SURGE-LSP4-U	10kV Inline Surge Protection for Universal Input
CONTROL-LVFA*	AVI-ON Bluetooth Mesh Control System

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DIMENSIONS

Model	H1	H2	W1	W2
BL3A-22SC-36	5.68" (144.36mm)	36.18" (919mm)	Ø 6.5" (ø165mm)	Ø 6.5" (ø165mm)

ø W1

H1

H2

3 x 120 °

Ø 50mm (1.97")
Ø 100mm (3.94")
Ø 170mm (2.76")

3 x 120 °

ø W2

BL3A-22SC-36" Shaft

Shaft Bolt Pattern

POWER & CCT SELECTION

① ②

WW
NW
CW

ON
1 2

WW   NW   CW

COLOR TEMPERATURE

RATE OF WORK

ON
1 2
STATE
30%

ON
1 2
STATE
50%

ON
1 2
STATE
75%

ON
1 2
STATE
100%

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PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	3000K (70CRI)		4000K (70CRI)		5000K (70CRI)	
		LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
6.6W	120-277V	647	98	733	111	660	100
11W	120-277V	1,078	98	1,221	111	1,100	100
16.5W	120-277V	1,617	98	1,832	111	1,650	100
22W	120-277V	2,070	98	2,259	111	2,172	100

SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
CONTROL-LVFA (see page 6 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App

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

WALL SWITCH — Orange — [1]

AC-L — Black — [2]

EMERGENCY LED DRIVER

AC-N — White — [3]

Green — [4]

BATTERY

[6] Blue — DRIVER-N

[5] Brown — DRIVER-L

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

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

(2) Sensor

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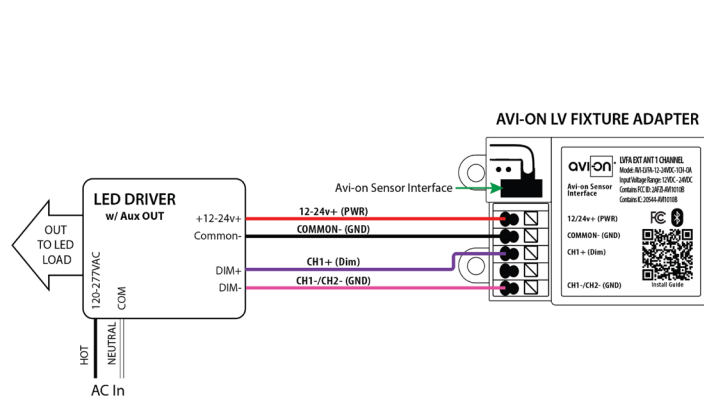
Fixture adapter powered by LED driver auxiliary output
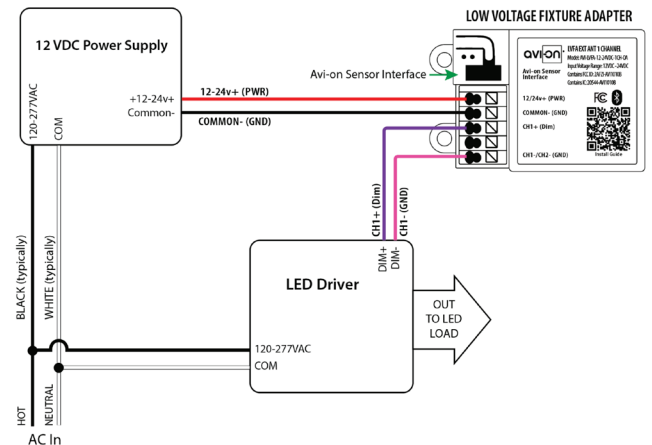
Fixture adapter connected to LED driver and using power supply