

## BL3A SERIES ARCHITECTURAL BOLLARD

Client:  
Project:  
Type:  
Quantity:

### 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

70+ 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,  $T_a = 25^\circ\text{C}$ .

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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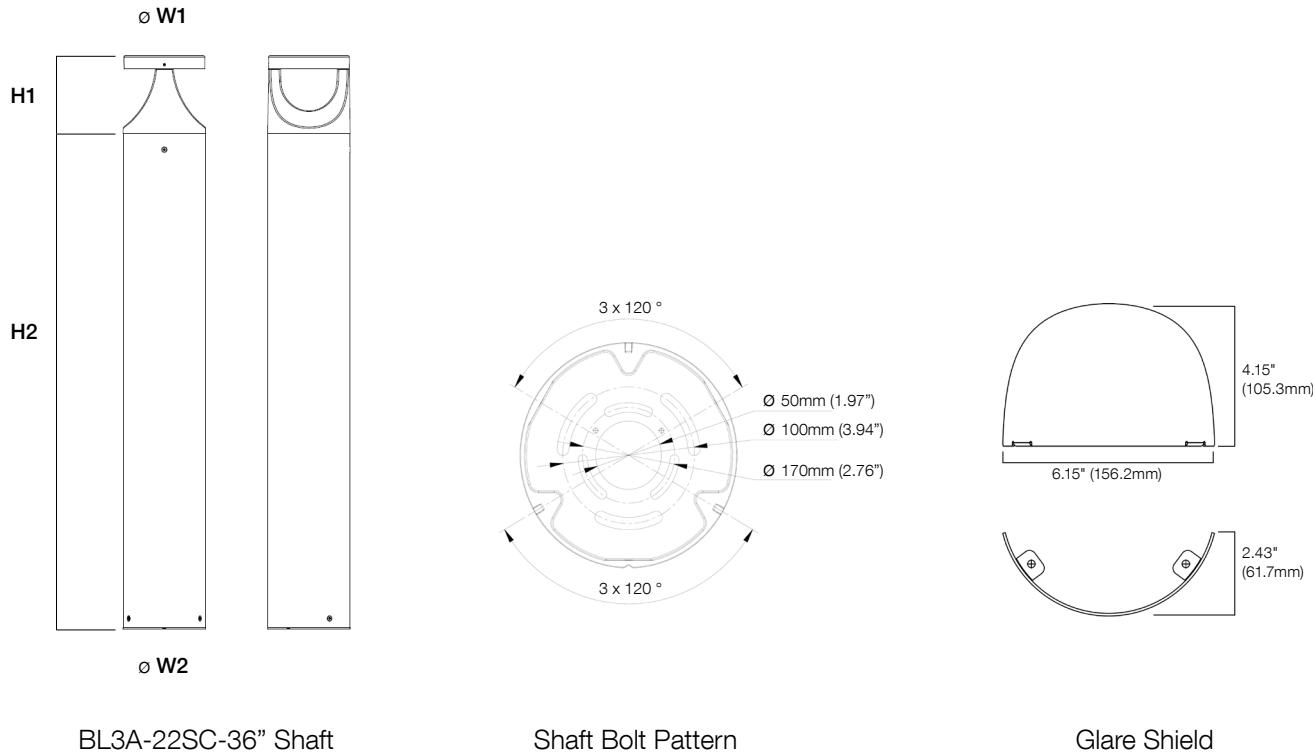
ORDER INFORMATION				EXAMPLE : BL3A 22 SC 36 BK UD						
Fixture	Series	Power & LM	CCT	Shaft Size	Finish	Input				
	<b>BL3A</b>	<b>22</b>	<b>SC</b>	<b>36</b>						
<b>Accessories</b>										
<b>Options</b>										
<b>A</b>	<b>SERIES</b>									
BL3A	Architectural Bollard									
<b>B</b>	<b>POWER &amp; LM</b>									
Code	Power			LM						
22	Field Selectable 6.6W / 11W / 16.5W / 22W			728lm / 1,214lm / 1,821lm / 2,445lm						
<b>C</b>	<b>CCT</b>									
SC	Field Selectable 3000K / 4000K / 5000K									
<b>D</b>	<b>SHAFT SIZE</b>									
36	36 inch (Fixture Overall Height 41.86 inch)									
<b>E</b>	<b>FINISH</b>									
Standard										
BK	Black									
Custom Color										
CC	DB	Dark Bronze	GM	Graphite Metallic	GR	Gray				
	SV	Silver	WH	White	RAL#					
<b>F</b>	<b>INPUT</b>									
UD	120-277V, 1-10 Dimming									
<b>G</b>	<b>ACCESSORIES/OPTIONS</b>									
AIA	Assembled in America, compliant with BAA (COTS)									
MOUNT-BL3A-BOLTS	Anchor Bolts Set (included with packaging)									
SHIELD-BL3A	Glare Shield									
EMB-8W-B*	90-Minute Self-Diagnostic Emergency Battery 8W 100-347VAC Input 170VDC Output									
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	10kV Inline Surge Protection for Universal Input									
CONTROL-LVFA*	AVI-ON Bluetooth Mesh Control System									

\*see page 5 sensor and EMB spec

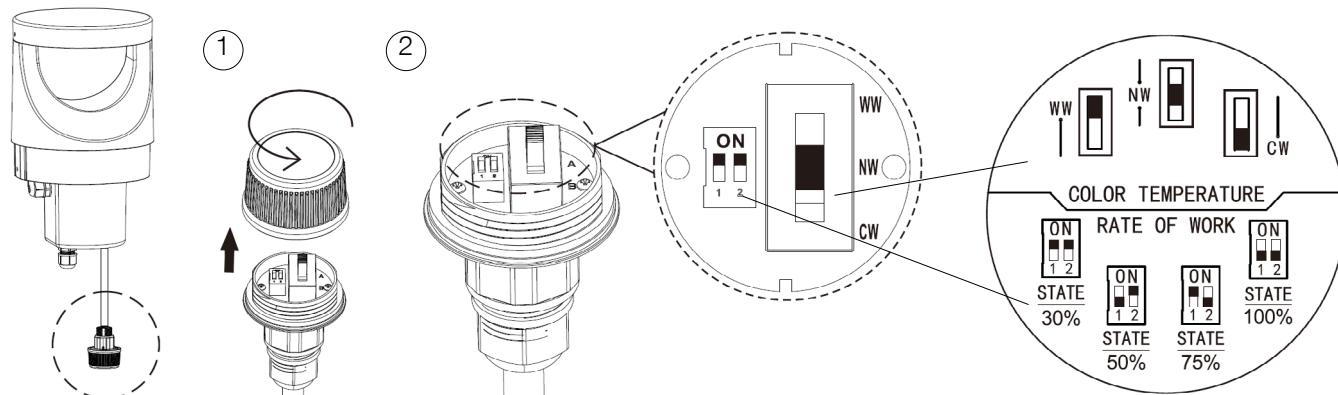
## BL3A SERIES ARCHITECTURAL BOLLARD

### DIMENSIONS

Model	H1	H2	W1	W2
BL3A-22SC-36	5.68" (144mm)	36.18" (919mm)	Ø 6.5" (Ø165mm)	Ø 6.5" (Ø165mm)



### POWER & CCT SELECTION



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### PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	3000K (80CRI)		4000K (80CRI)		5000K (80CRI)	
		LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
6.6W	120-277V	640	97	728	110	658	100
11W	120-277V	1,067	97	1,214	110	1,097	100
16.5W	120-277V	1,601	97	1,821	110	1,645	100
22W	120-277V	2,057	97	2,245	110	2,158	100

## BL3A SERIES ARCHITECTURAL BOLLARD

### SENSOR SPEC

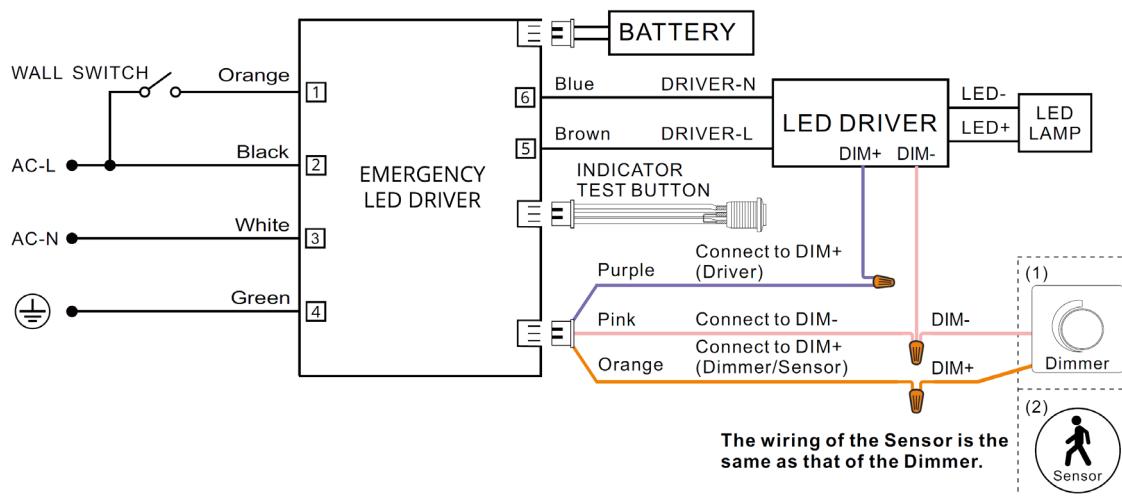
Model	Type	Mounting	Coverage	Input	Function	Programmable
CONTROL-LVFA (see page 6 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App



CONTROL-LVFA

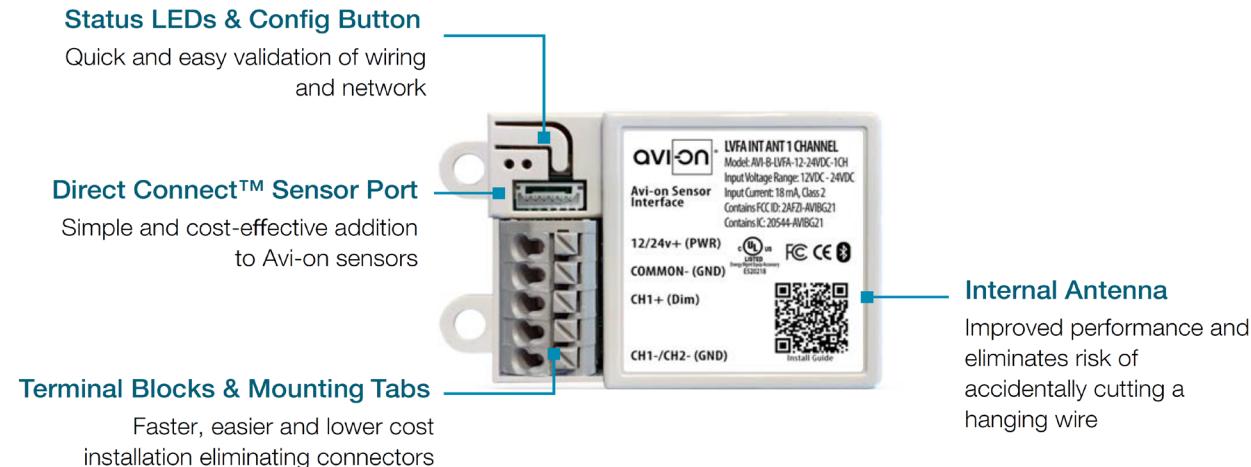
### EMB SPEC

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
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



## BL3A SERIES ARCHITECTURAL BOLLARD

### CONTROL-LVFA SPEC



### SPECIFICATIONS

<b>INPUT VOLTAGE:</b>	12-24VDC
<b>CURRENT:</b>	15mA without a Sensor
	19mA with a DC PIR Sensor
	48mA with a DC Microwave Sensor
<b>0-10V DIMMING:</b>	12-24VDC
<b>SIZE:</b>	2.30in x 1.43in x 0.75in (58.2mm x 36.4mm x 19mm)
<b>MOUNTING:</b>	Removable mounting tabs
<b>WEIGHT:</b>	0.45 oz (16g)
<b>OPERATING TEMP:</b>	-22°F to +158°F (-30°C to + 70°C)

<b>RADIO FREQUENCY:</b>	2.4GHz
<b>WIRELESS STANDARD:</b>	BLE 4.2 with Mesh
<b>POINT TO POINT RANGE*:</b>	80ft with obstructions 350ft unobstructed
<b>SECURITY:</b>	AES 128-bit encryption for device to device communication AES 256-bit encryption for device to cloud communication
<b>WARRANTY:</b>	5 years; 10 years optional
<b>REGULATORY:</b>	FCC: 2AFZ1-AV11010 B IC: 20544-AV11010 B BQB: D031801, DID: 86303 UL 916, 2043 (Plenum Rated)

\*When communicating through the mesh, range is essentially unlimited (5000ft+)

### WIRING DIAGRAM

