

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.
 L₉₀ 57,000 hours, L₈₀ 150,000 hours, L₇₀ 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.



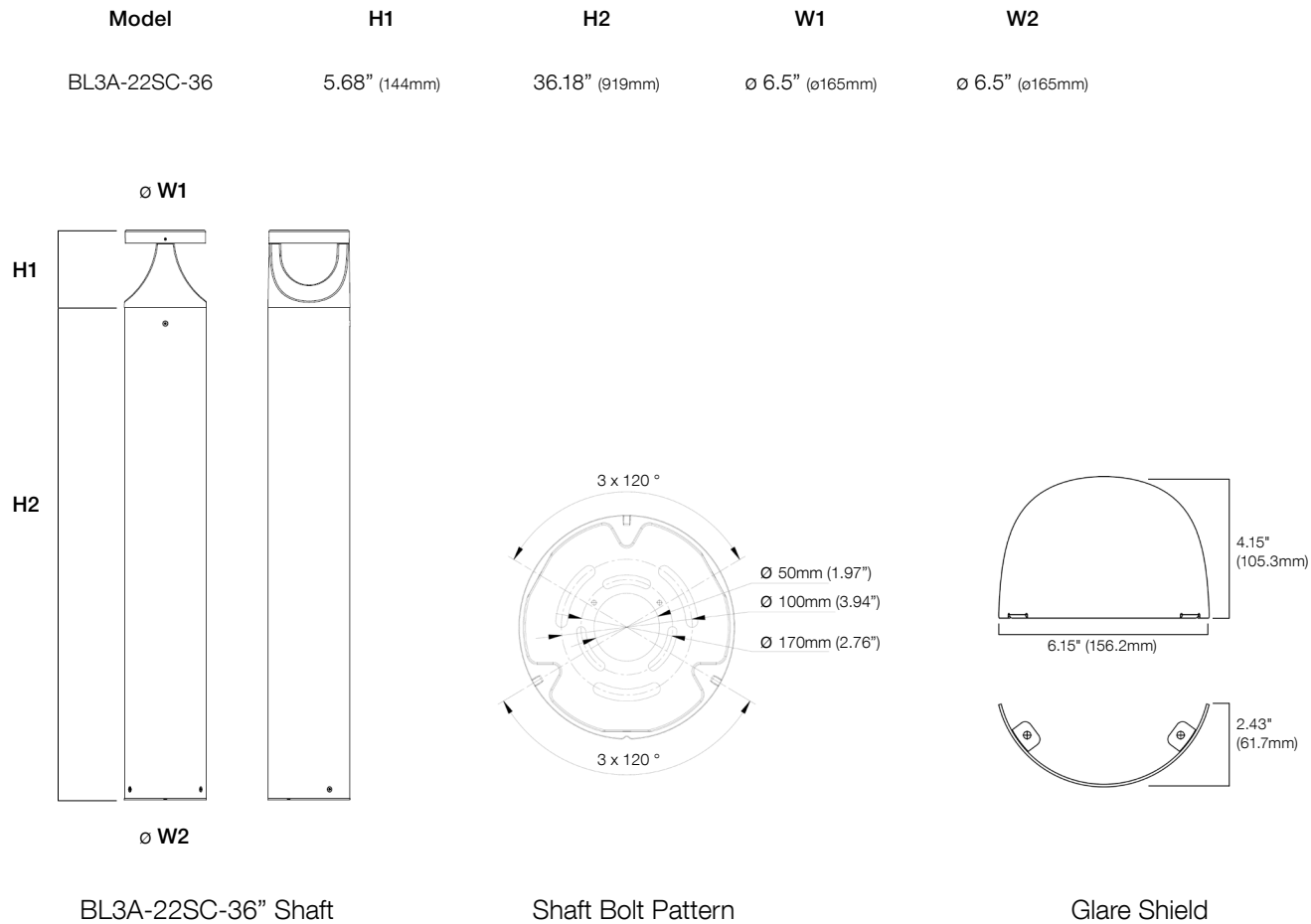
BL3A SERIES ARCHITECTURAL BOLLARD

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			728lm / 1,214lm / 1,821lm / 2,445lm			
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)						
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						

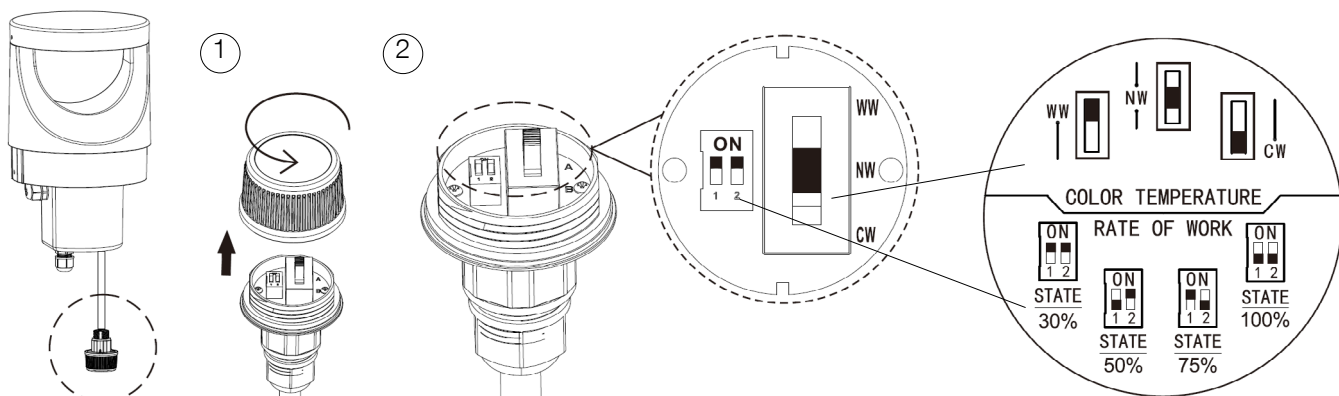
*see page 5 sensor and EMB spec

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DIMENSIONS



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

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SENSOR SPEC

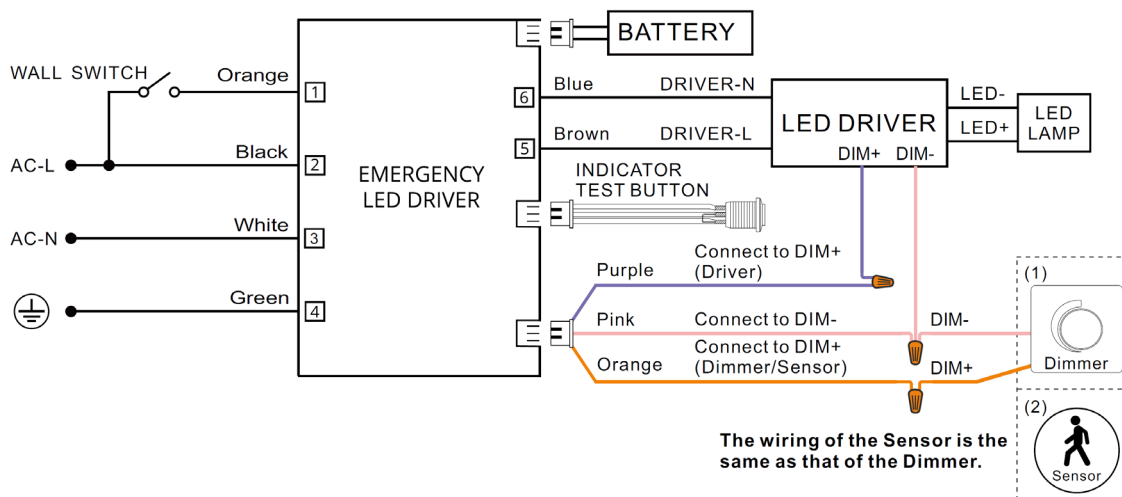
Model	Type	Mounting	Coverage	Input	Function	Programmable
CONTROL-LVFA (see page 6 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App



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



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CONTROL-LVFA SPEC

Status LEDs & Config Button

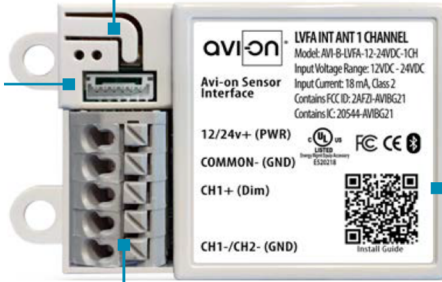
Quick and easy validation of wiring and network

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

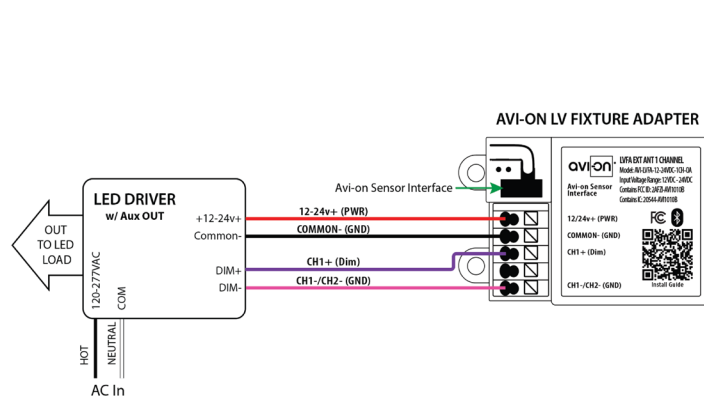
SPECIFICATIONS

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)

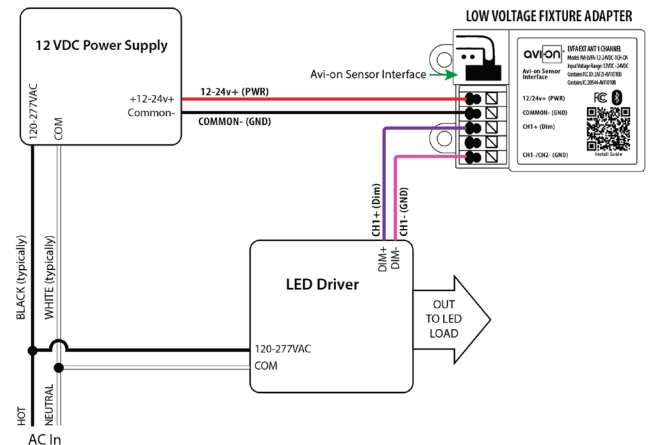
RADIO FREQUENCY: 2.4GHz
WIRELESS STANDARD: BLE 4.2 with Mesh
POINT TO POINT RANGE*: 80ft with obstructions
 350ft unobstructed
SECURITY: AES 128-bit encryption for device to device communication
 AES 256-bit encryption for device to cloud communication
WARRANTY: 5 years; 10 years optional
REGULATORY: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