

BL2A 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

Frosted Polycarbonate lens offer glare-free uniform illumination.
Efficacy higher than 140 lm/W.

ELECTRICAL

70+ CRI. -40°C up to 40°C (-40°F up to 113°F) maximum operating temperature.
Designed for an expected life >50,000 hours.
CCT selectable light engine 3000K ~ 5000K.
>.9 power factor, 50/60Hz, <20% THD.
Driver operates at 120-277V, 347V input, 0-10V dimmable driver, down to 10%.
Optional 10kV surge protection.
Built-in Photocell.

CONTROL (OPTIONAL)

CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.

STANDARD FINISH

Corrosion resistant Dark Bronze coating finish.

CUSTOM FINISH

Corrosion resistant Black, Graphite Metallic, Gray, Silver, White, Custom RAL#

SHIPPING DATA

Product	Measurement	Weight
BL2A-24SC	43" L x 12" W x 12" H	13 lb

CERTIFICATION

Meets Buy America Act requirements.
IP65 Wet location label listed.
All luminaires are built to UL1598 standards and bear appropriate cULus labels.
For Emergency application, equipment with UL924 certified battery packs.
DLC® Premium (DesignLights Consortium Qualified)

WARRANTY

5 year warranty, see Limited Warranty for additional information.



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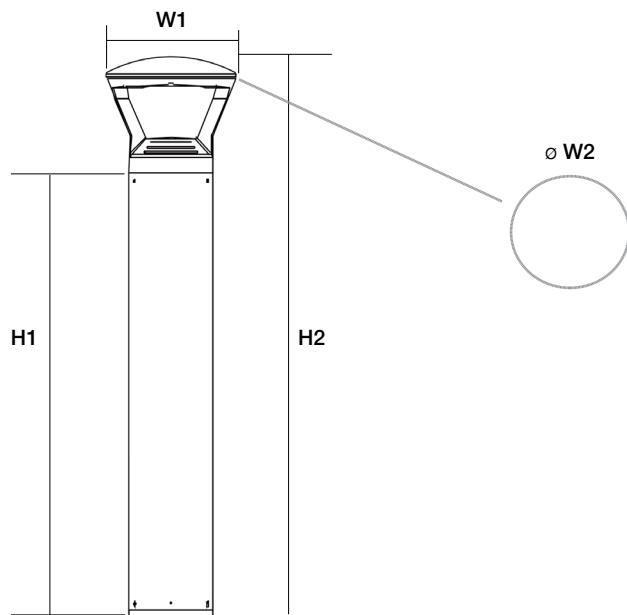
ORDER INFORMATION				EXAMPLE : BL2A 24 SC 33 DB UD-P							
Fixture	Series	Power & LM	CCT	Shaft Size	Finish	Input					
	BL2A	24	SC	33							
Accessories											
Options											
A	SERIES										
	BL2A	Architectural Bollard									
B	POWER & LM										
Code	Power	LM									
24	Selectable	Selectable									
	14W / 19W / 24W	1,900lm / 2,500lm / 3,200lm									
C	CCT										
SC	Field Selectable 3000K / 4000K / 5000K										
D	SHAFT SIZE										
33	33 inch (Fixture Overall Height 41.65 inches)										
E	FINISH										
Standard											
DB	Dark Bronze										
Custom Color											
CC	BK	Black	GM	Graphite Metallic	GR	Gray					
	SV	Silver	WH	White	RAL#						
F	INPUT										
UD-P	120-277V, 0-10 Dimming with Built-in Photocell										
	*see page 4 for spec										
G	ACCESSORIES/OPTIONS										
AIA	Assembled in America, compliant with BAA (COTS)										
MOUNT-BL2A-BOLT	Spare Anchor Bolts Set										
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

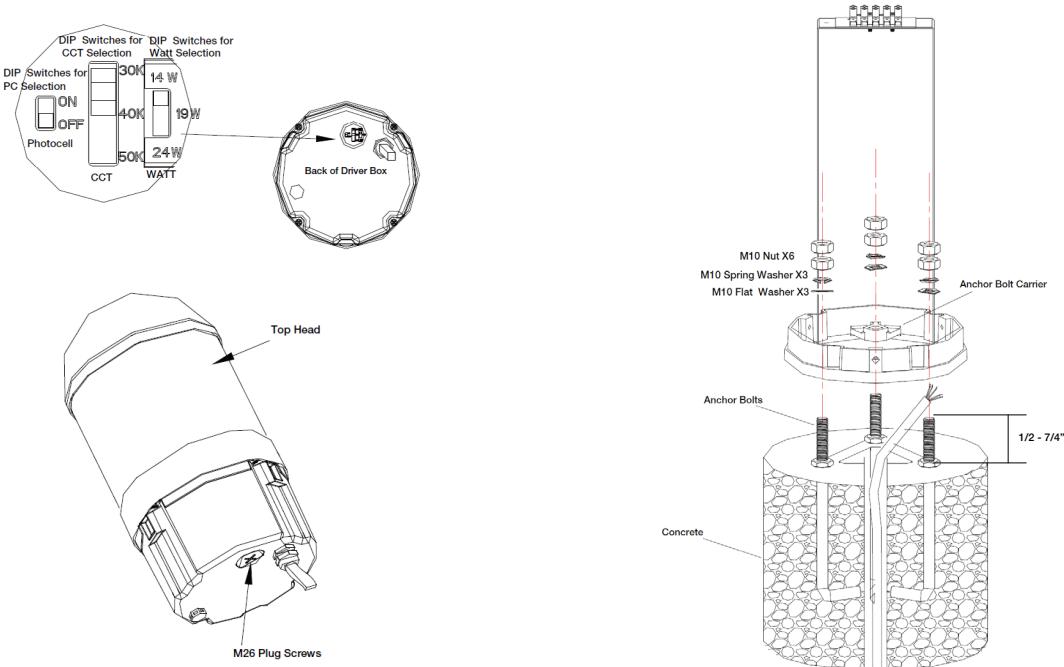
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DIMENSIONS

Model	W1	W2	H1	H2
BL2A-24SC	9.80" (249mm)	Ø 9.80" (Ø248mm)	33.03" (839mm)	41.65" (1058mm)



INSTALLATION INFORMATION



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PERFORMANCE DATA

SYSTEM WATTS	3000K (70CRI)			4000K (70CRI)			5000K (70CRI)		
	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING
14W	1745	127	B1-U0-G1	1869	140	B1-U0-G1	1805	130	B1-U0-G1
19W	2350	127	B2-U0-G2	2517	139	B2-U0-G2	2431	130	B2-U0-G2
24W	2970	125	B2-U0-G2	3181	137	B2-U0-G2	3072	128	B2-U0-G2

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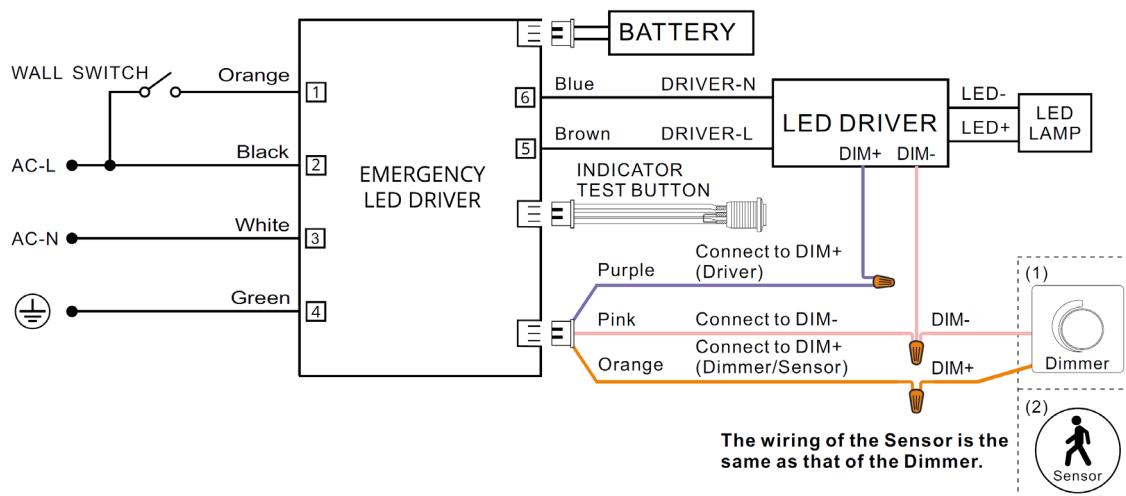
SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
-	-	Built in the PCB	-	-	Dusk-to-Dawn Control	-
NTROL-LVFA	Fixture Controller	Fixture	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App



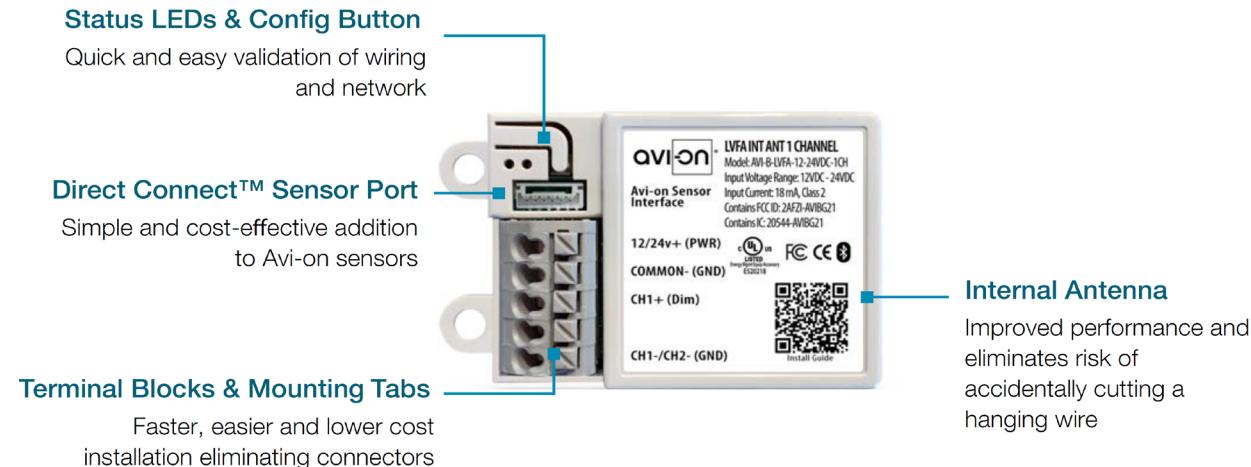
FMB SPEC

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



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: 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

