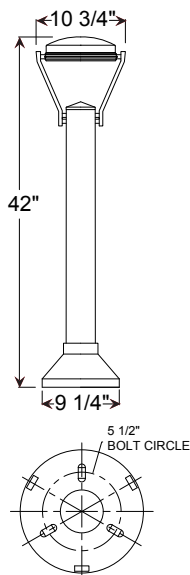




BL2301 LED
Dark Sky Friendly



Weight: 17 lbs.



Specifications

Material:

Durable A356 cast aluminum, 6061 extruded aluminum, and aluminum sheet metal. Hardware is stainless steel or zinc-plated steel. Exposed hardware matches body finish.

Lens:

Clear PMMA Acrylic IES Distribution Lens

Mounting:

3/8" x 10" galvanized steel anchor bolts.

Drivers:

Universal Voltage 120-277V. 0-10V to 1% dimming is standard. (Refer to Driver Specification section for other specifications.)

Dark Sky Friendly:

To maintain dark sky friendly compatibility: ≤ 3000K. Amber option also available.

Project Name: _____

Bollard Type: _____ Quantity: _____

Customer: _____

Electrical:

A lightning surge protective device is standard (20KA³ Max/10KA² Nominal). Luminaires are prewired with 0-10V dimming leads.

Finish:

A polyester powder coat high quality finish. Marine grade finish is available.

Modifications:

Consult factory for custom or modified designs.

Certifications:

UL Listed for outdoor, wet location. LED is IP66.

Buy American:

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations. [Click here for additional information.](#)

Catalog Logic

BL2301	A010LD2	T5	40K	-	IBOLT	-	72
Bollard Series	Light Source & Wattage	Optics	CCT		Accessories		Finish

Catalog Number

BL2301

1 LIGHT SOURCE & WATTAGES

- A010LD2 (10W)
- A018LD4 (18W)
- A032LD8 (32W)

2 OPTICS

- T1 (Type I)
- T2 (Type II)
- T3 (Type III)
- T5 (Type V)

3 CCT (COLOR TEMPERATURE)

- 27K (2700K)
- 30K (3000K)
- 35K (3500K)
- 40K (4000K)
- AMB (590nm True Amber)

4 ACCESSORIES

- HLMSIN (Integral high-low motion sensor)
- HSS180-BL2-BL7 (180° House Side Shield)
- IBOLT (Eye Bolt)
- EMG-LEDRO5 (5W Emergency Driver)
- EMG-LED7.8 (7.8W Emergency Driver)
- EMG-LED10.7 (10.7W Emergency Driver)
- EMG-LED17 (17W Emergency Driver)
- GFI20 (20 Amp GFCI outlet with cover)
- GFI-WPU (20 Amp GFCI outlet w/weather proof while-in-use cover)
- PC (Dusk-till-dawn Button Photocell)

Accessory finish will match fixture finish. GFI20 & GFI-WPU standard location is @18" & to the rear of the bollard.

5 FINISHES

*Premium and Marine Grade Finish have additional charges

Standard Colors	Standard Grade	Marine Grade*	Standard Colors	Standard Grade	Marine Grade*
Aspen Green	10	10M	Copper Clay	53	53M
Cantaloupe	11	11M	Silver	56	56M
Lilac	12	12M	Black Verde	61	61M
Putty	13	13M	Painted Chrome	70	70M
Raw Unfinished	40	NA	Painted Copper	71	71M
Black	41	41M	Textured Black	72	72M
Forest Green	42	42M	Matte Black	73	73M
Bright Red	43	43M	Textured Architectural Bronze	76	76M
White	44	44M	Textured White	77	77M
Bright Blue	45	45M	Textured Silver	78	78M
Sunny Yellow	46	46M	PREMIUM FINISH	Premium Grade*	Marine Grade*
Aqua Green	47	47M	Textured Desert	80	80M
Galvanized	49	NA	Graystone	82	82M
Navy	50	50M	Oil Rubbed Bronze	83	83M
Architectural Bronze	51	51M	Carbon Graphite	96	96M
Patina Verde	52	52M			

Consult Factory for additional paint charges and availability.

Project Name: _____

Fixture Type: _____ Quantity: _____

Customer: _____

PERFORMANCE TABLE - 12 LED ARRAY - DELIVERED LUMENS

LED CATALOG	WATTS	DISTRIBUTION	AMBER				2700K				3000K				3500K				4000K			
			DELIVERED LUMENS	lm/W	B	U	G	DELIVERED LUMENS	lm/W	B	U	G	DELIVERED LUMENS	lm/W	B	U	G	DELIVERED LUMENS	lm/W	B	U	G
A010LD2	10W	TYPE I	360	36	0	0	0	726	73	0	0	0	794	79	1	0	1	836	84	1	0	1
		TYPE II	379	38	0	0	0	755	76	0	0	0	826	83	0	0	0	869	87	0	0	0
		TYPE III	380	38	0	0	0	816	82	0	0	0	892	89	0	0	0	939	94	0	0	0
		TYPE V	412	41	0	0	0	884	88	1	0	1	967	97	1	0	1	1018	102	1	0	1
A018LD4	18W	TYPE I	648	36	0	0	0	1308	73	1	0	1	1430	79	1	0	1	1505	84	1	0	1
		TYPE II	682	38	0	0	0	1359	76	1	0	1	1487	83	1	0	1	1564	87	1	0	1
		TYPE III	684	38	0	0	0	1469	82	1	0	0	1606	89	1	0	0	1690	94	1	0	1
		TYPE V	742	41	1	0	1	1591	88	1	0	1	1740	97	1	0	1	1832	102	1	0	1
A032LD8	32W	TYPE I	1152	36	1	0	1	2325	73	1	0	1	2542	79	1	0	1	2676	84	1	0	1
		TYPE II	1212	38	1	0	1	2416	76	1	0	1	2643	83	1	0	1	2781	87	1	0	1
		TYPE III	1215	38	0	0	0	2611	82	1	0	1	2856	89	1	0	1	3005	94	1	0	1
		TYPE V	1319	41	1	0	1	2829	88	1	0	1	3094	97	1	0	1	3256	102	2	0	2

LED SPECIFICATION

- PMMA Optical Lens
- 12 High-power LEDs
- Efficacy: 94-120 lm/W
- Distributions: Type I, II, III, V
- CCT: 2700K, 3000K, 3500K, 4000K, 590nm True Amber
- CRI: >90
- Ingress Protection: IP66

MOTION SENSOR SPECIFICATION AND FACTORY DEFAULTS

- Sensor Type: Microwave
- 330° Detection Range, Approximately 15' (30' Diameter)
- Line Voltage Sensor: 120 / 240 / 277 VAC, 50/60 Hz
- Dim Levels: High / Low 50%
- Motion Time Delay: 5 min
- For other settings consult factory

DRIVER SPECIFICATION

- Universal Input 120-277V
- Dimming: 0-10V, TRIAC, ELV (Dims to 1%)
- Power Factor @ Full Load >90%
- THD @ Full Load <20%
- Constant Current Output 50/60Hz
- Operating Temperature: -30°C Minimum (32W is -10° Minimum)
- Lifetime: >50,000 hours
- Ingress Protection: IP66
- Certifications: UL Recognized, FCC, Energy Star, CA Title 24, RoHS

Project Name: _____

Fixture Type: _____ Quantity: _____

Customer: _____

ACCESSORIES



IBOLT



EMG-LED



GFI20



GFI-WPU



PC



HLMSIN



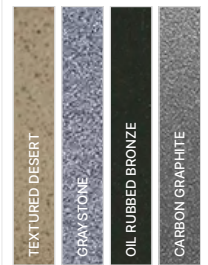
HSS180

FINISHES COLORS

STANDARD



PREMIUM



FINISHES

- A polyester powder coat high quality finish is electro-statically applied and baked at 430° for exceptional durability and color retention. Products undergo an intensive five-step cleansing and pretreatment process for maximum paint adhesion. 5-year warranty for aluminum products. 2-year warranty for steel products.
- Marine grade finish provides superior salt, humidity and UV protection. This coating withstands up to 3,000 hours of continuous salt spray, comes with a 2-year warranty and is available in either a textured or gloss surface.

WARRANTY

- See www.ANPlighting.com for complete fixture warranty.
- LED warranty information
- 5 year limited warranty*
- *Limited Warranty: A typical year is defined as 4,380 hours of operation.