



KBA8 LED

LED Specification Bollard



Catalog
Number

Notes

Type

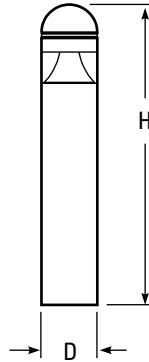
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

8" Round
(20.3 cm)

Height: 42"
(106.7 cm)

Weight (max): 27 lbs
(12.25 kg)



Introduction

The KBA8 Bollard is a stylish, fully integrated LED solution for walkways. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 70% in energy savings over comparable 100W metal halide luminaires, the KBA8 Bollard is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: KBA8 LED 16C 700 40K SYM MVOLT DDBXD

KBA8 LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Control options
KBA8 LED	Asymmetric	12C 12 LEDs ¹	350 350 mA	30K 3000 K	ASY Asymmetric ¹ SYM Symmetric ²	MVOLT ⁵	Shipped installed PE Photoelectric cell, button type DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ELCW Emergency battery backup, CA Title 20 Noncompliant ⁶
			450 450 mA ^{3,4}	40K 4000 K		120 ⁵	
			530 530 mA	50K 5000 K		208 ⁵	
	Symmetric	16C 16 LEDs ²	700 700 mA	AMBPC Amber phosphor converted	240 ⁵		
				AMBLW Amber limited wavelength ^{3,4}	277 ⁵		
					347 ⁴		

Other options	Finish (required)
Shipped installed	DWHXD White
SF Single fuse (120, 277, 347V) ^{4,7}	DNAXD Natural aluminum
DF Double fuse (208, 240V) ^{4,7}	DDBXD Dark bronze
H24 24" overall height	DBLXD Black
H30 30" overall height	DDBTXD Textured dark bronze
H36 36" overall height	DBLBXD Textured black
FG Ground-fault festoon outlet	DNATXD Textured natural aluminum
L/AB Without anchor bolts (3 bolt base)	DWHGXD Textured white
L/AB4 4 bolt retrofit base without anchor bolts ⁸	

Accessories

Ordered and shipped separately.

MRAB U Anchor bolts for KBA8 LED⁸

NOTES

- 1 Only available in the 12C, ASY version.
- 2 Only available in the 16C, SYM version.
- 3 Only available with 450 AMBLW version.
- 4 Not available with ELCW.
- 5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
- 6 Not available with 347V. Not available with fusing. Not available with 450 AMBLW.
- 7 Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
- 8 MRAB U not available with L/AB4 option.
- 9 Striping is available only in the colors listed.



Performance Data

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K					50K									
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW					
12C	350mA	16	ASY	1,126	1	1	1	70	1,210	1	1	1	76	1,217	1	1	1	76										
	530 mA	22	ASY	1,622	1	1	1	74	1,741	1	1	1	79	1,752	1	1	1	80										
	700mA	30	ASY	2,050	1	1	1	68	2,201	1	1	1	73	2,215	1	1	1	74										
	Amber 450	16	ASY																324	0	1	0	20					
16C	350mA	20	SYM	1,527	1	0	0	76	1,640	1	0	0	82	1,650	1	0	0	83										
	530 mA	28	SYM	2,186	1	0	0	78	2,348	1	0	1	84	2,362	1	0	1	84										
	700mA	39	SYM	2,744	1	0	1	70	2,947	1	0	1	76	2,965	2	0	1	76										
	Amber 450	20	SYM																374	0	0	0	19					

Note: Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.00	0.98	0.97	0.95

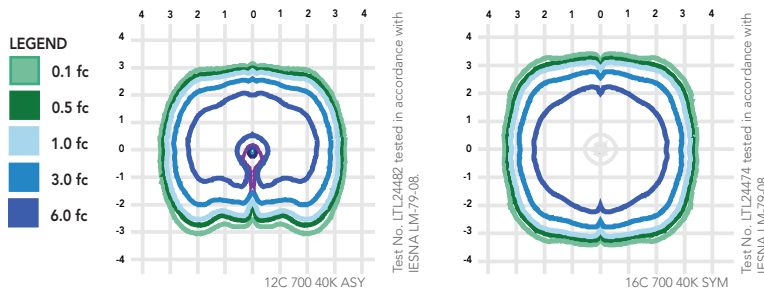
Electrical Load

Light Engines	Drive Current (mA)	System Watts	Current (A)				
			120	208	240	277	347
12C	350	16W	0.158	0.118	0.114	0.109	0.105
	530	22W	0.217	0.146	0.136	0.128	0.118
	700	31W	0.296	0.185	0.168	0.153	0.139
	Amber 450	16W	0.161	0.120	0.115	0.110	0.106
16C	350	20W	0.197	0.137	0.128	0.121	0.114
	530	28W	0.282	0.178	0.162	0.148	0.135
	700	39W	0.385	0.231	0.207	0.185	0.163
	Amber 450	20W	0.199	0.139	0.130	0.123	0.116

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [KBA8 Bollard homepage](#).

Isofootcandle plots for the KB LED Bollards. Distances are in units of mounting height (3').



FEATURES & SPECIFICATIONS

INTENDED USE

The rugged construction and clean lines of the KBA bollard is ideal for illuminating building entryways, walking paths, and pedestrian plazas, as well as any other location requiring a low mounting height light source with fully cutoff illumination.

CONSTRUCTION

One-piece 8-inch round extruded aluminum shaft with thick side walls for extreme durability, a high-impact clear acrylic lens and welded top cap. Die-cast aluminum mounting ring allows for easy leveling even in sloped locations and a full 360-degree rotation for precise alignment during installation. Three 1/2" x 11" anchor bolts with double nuts and washers and 3 3/4" bolt circle template ensure stability. Overall height is 42" standard.

FINISH

Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering for maximum retention of gloss and luster. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand the elements without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Two fully cutoff optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination without any uplight. Light engines are available in standard 4000 K (>70 CRI) or optional 3000 K (>80 CRI) or 5000 K (67 CRI). Limited-wavelength amber LEDs are also available.

ELECTRICAL

Light engines consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L95/100,000 hours at 700mA at 25°C). Class 2 electronic drivers are designed for an expected life of 100,000 hours with < 1% failure rate. Electrical components are mounted on a removable power tray.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient. Cold-weather emergency battery backup rated for -20°C minimum ambient.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

