

ONSITE LANDSCAPE LIGHT



KBR8 LED LED Specification Bollard

Counting Number	
Name	
Type	

Introduction

The KBR8 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 KBR8 Bollard is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Specifications
8" Round
40"
27 lbs



Ordering Information EXAMPLE: KBR8 LED 16C 700 40K SYM MVOLT DDBXD

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Control options	Other options	Finish
KBR8 LED	Asymmetric 12C (12 LEDs)	350 300mA	30K 3000K	AS7	120V	None	None	White
		450 400mA	40K 4000K	SYM	208V	None	None	Natural
		530 530mA	50K 5000K	None	240V	None	None	Aluminum
KBR8 LED	Symmetric 16C (16 LEDs)	350 300mA	30K 3000K	AS7	120V	None	None	White
		450 400mA	40K 4000K	SYM	208V	None	None	Natural
		530 530mA	50K 5000K	None	240V	None	None	Aluminum

Accessories

M8AB	Anchor bolts for KBR8 LED
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- NOTES
- Only available in the 12C, AS7 version.
 - Only available in the 16C, SYM version.
 - Only available with 450 AMBLED version.
 - Not available with ELCD.
 - MVOLT drive operates on any line voltage from 120-277V 50/60Hz. Specify 120, 208, 240 or 277 option only when ordering with ELCD, DF, or photocontrol options.
 - Not available with 347V. Not available with 347V. Not available with 450 AMBLED.
 - Single line LED requires 120, 277, or 347 voltage option. Double line (DL) requires 208 or 240 voltage option.
 - M8AB is not available with L8AB option.

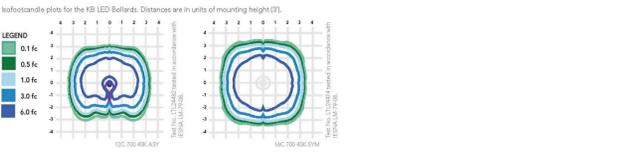
Performance Data

Type	Lumens	Beam angle	3000K				4000K				5000K				Lumen Maintenance Factor				
			12C	16C	16C	16C	12C	16C	16C	16C	12C	16C	16C	16C	12C	16C	16C	16C	
Asymmetric 3 Engines (12 LEDs)	350	22	441	48	1	1	1	809	51	1	1	1	875	54	1	1	1	1	1
Asymmetric 4 Engines (16 LEDs)	530	22	947	41	1	1	1	1391	54	1	1	1	1382	58	1	1	1	1	1
Asymmetric 5 Engines (16 LEDs)	700	31	1274	44	1	1	1	1527	51	1	1	1	1444	55	1	1	1	1	1
Asymmetric 6 Engines (16 LEDs)	850	36	1512	44	1	1	1	1746	51	1	1	1	1644	55	1	1	1	1	1

Projected LED Lumen Maintenance

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

Photometric Diagrams



FEATURES & SPECIFICATIONS

INTENDED USE
The rugged construction and clean lines of the KBR8 bollard is ideal for illuminating building entries, 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 3/8" x 11" anchor bolts with double nuts and washers and 3/4" bolt circle ensure stability. Overall height is 40" 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 withstands 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. IP65 sealed LED light engine provides smooth, graduated illumination without any uplight. Light engines are available in standard 4000 K (5-70 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-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L50/100,000 hours at 7000h 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 IP65 rated. Rated for -40°C minimum ambient. Cold-weather emergency battery backup rated for -20°C minimum ambient.

WARRANTY
Five-year limited warranty. Complete warranty terms located at www.asutylighting.com/CustomResources/Terms_and_conditions.aspx.

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.



Carlyle Acorn

The Carlyle Acorn style luminaire is frequently used in urban streetscape and pedestrian lighting applications where greater vertical illumination and a moderate amount of uplight is desired.

Comparable HID Wattage	Finish Color	Initial Lamp Lumens	Lighting Pattern	Correlated Color Temperature (CCT)	Input Wattage	Billing Tier	Basic / Premium	Recommended Mounting Height (ft.)	BUG Rating	Luminaire Stock #	WMIS CU Code
70	Black	3261	Type III	3000K	26	1	Basic	10-12	1-4-2	42316016	LEDACCA0333BXXX
70	Green	3261	Type III	3000K	26	1	Basic	10-12	1-4-2	42329981	LEDACCA0333MXXX
70	Black	3429	Type III	4000K	26	1	Basic	10-12	1-4-2	42329982	LEDACCA0334BXXX
70	Green	3429	Type III	4000K	26	1	Basic	10-12	1-4-2	42316039	LEDACCA0334MXXX
100	Black	4911	Type III	3000K	39	2	Basic	12-16	2-4-2	42316014	LEDACCA0533BXXX
100	Green	4911	Type III	3000K	39	2	Basic	12-16	2-4-2	42329983	LEDACCA0533MXXX
100	Black	5164	Type III	4000K	39	2	Basic	12-16	2-4-2	42329984	LEDACCA0534BXXX
100	Green	5164	Type III	4000K	39	2	Basic	12-16	2-4-2	42316037	LEDACCA0534MXXX
150	Black	6915	Type III	3000K	60	3	Basic	12-16	2-5-3	42316015	LEDACCA0733BXXX
150	Green	6915	Type III	3000K	60	3	Basic	12-16	2-5-3	42329985	LEDACCA0733MXXX
150	Black	7271	Type III	4000K	60	3	Basic	12-16	2-5-3	42329986	LEDACCA0734BXXX
150	Green	7271	Type III	4000K	60	3	Basic	12-16	2-5-3	42316038	LEDACCA0734MXXX
250	Black	8693	Type III	3000K	81	3	Basic	12-16	3-5-3	42329987	LEDACCA0933BXXX
250	Green	8693	Type III	3000K	81	3	Basic	12-16	3-5-3	42329988	LEDACCA0933MXXX
250	Black	9140	Type III	4000K	81	3	Basic	12-16	3-5-3	42329989	LEDACCA0934BXXX
250	Green	9140	Type III	4000K	81	3	Basic	12-16	3-5-3	42329990	LEDACCA0934MXXX

Outdoor Lighting Pole Specifications

Decorative Round Tapered Fluted Fiberglass for Post Top Luminaires

Fluted round tapered poles constructed of heavy duty fiberglass reinforced pigmented polyester resin with a decorative base for single pole top luminaires. Poles are available directly embedded or base mounted for use with underground supplied conductors only. Anchor base poles require customer-installed and maintained concrete pole foundations and anchor-bolts.

Light fixtures that match well with this pole include:

- Premium LED Colonial style
- Premium LED Acorn style
- Premium LED Cutoff style
- All LED Lantern styles

POLE SPECIFICATIONS

TOTAL POLE LENGTH (ft.)	BASE DIAMETER (in)	BASE HEIGHT (ft)	POLE TOP DIAMETER (in)	EMBED DEPTH (ft)	LUMINAIRE MOUNTING HEIGHT (ft)	TENON SIZE (in)	FINISH COLOR	WMIS CU	POLE ONLY STOCK #
10.0	16.5	20.0	5.4	N/A	10.0	3.0 OD X 3.5	Black RAL-9005	PPF10AB	50497900
12.0	16.5	20.0	5.4	N/A	12.0	3.0 OD X 3.5	Black RAL-9005	PPF12AB	50498100
12.0	16.5	20.0	5.4	N/A	12.0	3.0 OD X 3.5	Green RAL-6009	PPF12ABGN	42362746
14.0	16.5	20.0	5.4	N/A	14.0	3.0 OD X 3.5	Black RAL-9005	PPF14AB	50498200
14.0	16.5	20.0	5.4	N/A	14.0	3.0 OD X 3.5	Green RAL-6009	PPF14ABGN	42362757
15.0	16.5	20.0	5.0	3.0	12.0	3.0 OD X 3.5	Black RAL-9005	PPF15	50498500
15.0	16.5	20.0	5.0	3.0	12.0	3.0 OD X 3.5	Black RAL-9005	PPF15GN	50499000
15.0	16.5	20.0	5.0	3.0	12.0	3.0 OD X 3.5	Green RAL-6009	PPF15GN	42362744
18.0	16.5	20.0	5.0	4.0	14.0	3.0 OD X 3.5	Black RAL-9005	PPF18	50499200
18.0	16.5	20.0	5.0	4.0	14.0	3.0 OD X 3.5	Green RAL-6009	PPF18GN	42362745

Note: Double Post Top Arm Available for this pole (Black) Stock#42291525, BKT3DEC2POS (Green) Stock#42315436, BKT3DEC2POSG

Many localities have restrictions on light distribution and placement of outdoor lighting equipment. Consult with your local government before selecting outdoor lighting equipment.

Outdoor Lighting Pole Specifications

Optional Double Post Top Arm for Post Top Luminaires

(Black) Stock#42291525, BKT3DEC2POS
(Green) Stock#42315436, BKT3DEC2POSG



Shoebox

The Shoebox luminaire provides a full cut-off distribution for lighting parking areas and for roadway lighting.

Comparable HID Wattage	Finish Color	Initial Lamp Lumens	Lighting Pattern	Correlated Color Temperature (CCT)	Input Wattage	Billing Tier	Basic / Premium	Recommended Mounting Height (ft.)	BUG Rating	Luminaire Stock #	WMIS CU Code
70	Black	4011	Type III	3000K	37	2	Basic	25	1-0-2	42323689	LEDSBBA0333BXXX
70	Black	3935	Type IV	3000K	37	2	Basic	25	1-0-2	42323690	LEDSBBA0333MXXX
70	Gray	4011	Type III	3000K	37	2	Basic	25	1-0-2	42323687	LEDSBBA0333GXXX
70	Gray	3935	Type IV	3000K	37	2	Basic	25	1-0-2	42323688	LEDSBBA0333GXXX
70	Black	4313	Type III	4000K	37	2	Basic	25	1-0-2	42315809	LEDSBBA0334BXXX
70	Black	4232	Type IV	4000K	37	2	Basic	25	1-0-2	42315810	LEDSBBA0334BXXX
70	Gray	4313	Type III	4000K	37	2	Basic	25	1-0-2	42315789	LEDSBBA0334GXXX
70	Gray	4232	Type IV	4000K	37	2	Basic	25	1-0-2	42315790	LEDSBBA0334GXXX
100	Black	5340	Type III	3000K	54	2	Basic	25-30	1-0-2	42323693	LEDSBBA0533BXXX
100	Black	5257	Type IV	3000K	54	2	Basic	25-30	1-0-2	42323694	LEDSBBA0533MXXX
100	Gray	5340	Type III	3000K	54	2	Basic	25-30	1-0-2	42323691	LEDSBBA0533GXXX
100	Gray	5257	Type IV	3000K	54	2	Basic	25-30	1-0-2	42323692	LEDSBBA0533GXXX
100	Black	5653	Type IV	4000K	54	2	Basic	25-30	1-0-2	42315631	LEDSBBA0534BXXX
100	Black	5742	Type III	4000K	54	2	Basic	25-30	1-0-2	42315810	LEDSBBA0534BXXX
100	Gray	5742	Type III	4000K	54	2	Basic	25-30	1-0-2	42315781	LEDSBBA0534GXXX
100	Gray	5653	Type IV	4000K	54	2	Basic	25-30	1-0-2	42315782	LEDSBBA0534GXXX
150	Black	8023	Type III	3000K	71	3	Basic	25-30	2-0-2	42323697	LEDSBBA0833BXXX
150	Black	7969	Type IV	3000K	72	3	Basic	25-30	2-0-2	42323698	LEDSBBA0833BXXX
150	Gray	8023	Type III	3000K	71	3	Basic	25-30	2-0-2	42323695	LEDSBBA0833GXXX
150	Gray	7969	Type IV	3000K	72	3	Basic	25-30	2-0-2	42323696	LEDSBBA0833GXXX
150	Black	8569	Type IV	4000K	72	3	Basic	25-30	2-0-2	42315632	LEDSBBA0834BXXX
150	Black	8606	Type III	4000K	71	3	Basic	25-30	2-0-2	42315811	LEDSBBA0834BXXX
150	Gray	8606	Type III	4000K	71	3	Basic	25-30	2-0-2	42315783	LEDSBBA0834GXXX
150	Gray	8569	Type IV	4000K	72	3	Basic	25-30	2-0-2	42315784	LEDSBBA0834GXXX
200	Gray	12748	Type III	3000K	121	4	Basic	30-35	3-0-3	42323134	LEDSBBA1233GXXX
250	Gray	15059	Type III	3000K	145	5	Basic	30-35	3-0-3	42329991	LEDSBBA1533GXXX
250	Gray	15310	Type IV	3000K	145	5	Basic	30-35	3-0-3	42329992	LEDSBBA1533GXXX
250	Gray	16193	Type III	4000K	145	5	Basic	30-35	3-0-3	42315785	LEDSBBA1534GXXX
250	Gray	16463	Type IV	4000K	145	5	Basic	30-35	3-0-3	42315786	LEDSBBA1534GXXX
400	Gray	22735	Type III	3000K	204	7	Basic	30-40	3-0-4	42329993	LEDSBBA2233GXXX
400	Gray	22643	Type IV	3000K	204	7	Basic	30-40	3-0-4	42329994	LEDSBBA2233GXXX
400	Gray	25520	Type III	4000K	204	7	Basic	30-40	3-0-4	42315787	LEDSBBA2234GXXX
400	Gray	25423	Type IV	4000K	204	7	Basic	30-40	3-		