



FEATURES

- · Sensor and wireless operation
- · Field rotatable optics and housing
- · Customizable side panels
- True IES Type 2, 3, 4, 5 distributions
- 3000K, 4000K, 5000K CCT
- · Integral thermal protection







CONTROL TECHNOLOGY



INSTALLATION (CONTINUED)

 Driver assembly shall be mounted to a prewired internal tray with quick disconnects for removal.

ELECTRICAL

- Luminaires shall have integral surge protection that shall be U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J.
- · Drivers shall be U.L recognized.
- 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control
- Luminaire shall be capable of operating at 100% power in a 40° ambient environment.
 Both driver and optical array shall have integral thermal protection that shall dim the luminaire upon detection of fixture temperatures in excess of 85°C.
- Luminaires not configured with an optional control system shall be provided with 0-10V purple and gray dimming leads.

CONTROLS

- Wireless enabled fixtures shall support bi-directional radio frequency (RF) communications utilizing IEEE 802.15.4 operating in the 2.4GHZ ISM band.
- Up to 1000' wireless range may be reduced by physical obstructions between lighting fixtures.
- Sensor enabled fixture settings shall come to full brightness upon detecting motion and go to 50% output after 5 minutes of detecting no motion.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

KICK™



RELATED PRODUCTS

 ϵ

8K4

8 <u>KM4</u>

8K5

SPECIFICATIONS

HOUSING

- Housing shroud shall be extruded 6061-T6 aluminum alloy with a welded top cap that shall be free of any visible weld or grind marks
- Luminaire housing shall be free of any visible heat fins, hardware or fasteners.
- Bracketry shall be aluminum and hardware shall be stainless steel.
- Housing shall be independently field rotatable of the optical distribution.
- Default factory orientations of shielding location relative to the optical system shall be:
- A Street Side
- C House SideLED/Optics

LED/OPTICS

- LEDs shall be mounted to a metal printed circuit board assembly (MCPCB).
- Optical lenses shall be clear injection molded PMMA acrylic.
- House side shield shall be field installable on any face of the housing.
- Light engine and optical distributions shall be field rotatable.

INSTALLATION

- Anchor bolts and anchor bolt template shall be included.
- Service access to the driver assembly shall require a 3/16" hex driver (information provided by engineering) to loosen (4) stainless steel set screws to allow the housing to be removed for access to the gear compartment. Gear compartment shall require a Philips driver (information provided by engineering) to open service panel.

CONTROLS (CONTINUED)

 Motion Sensor shall use microwave sensing technology that reacts to physical changes in within the coverage area. Careful consideration must be given to objects or activity that may trigger the sensor unintentionally.

CERTIFICATIONS

- Luminaire shall be listed with UL for outdoor, wet location use, UL1598, UL 8750 and Canadian CSA Std. C22.2 no.250.
- IDA approved, 3000K and warmer CCTs only.
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/06/2020. See Buy American Solutions

WARRANTY

See <u>HLI Standard Warranty</u> for additional information



continued on page 3

KEY DATA						
Lumen Range	7,744–18,763					
Wattage Range	87–173					
Efficacy Range (LPW)	79–119					
Weight	20 lbs 9.07 kg					
EPA	1.4					





DATE:	LOCATION:
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WIR

BPC

SWF

Example: KB6-LED-Y2-B-2040-347-BLT

wiScape Connectivity Ready

SiteSync Field Commission

Button Type Photocell

ORDERING GUIDE

CATA	I O	G	#

Model Distribution		ribution	Shielding	Light E	Engine ¹	Control	(May choose one)	
KB6-LED		Y2	IES Type II Clear Lens	Optional, may choose from 1 to 3	1030	3000K CCT, CRI 70, 15 Watts	SWP	SiteSync Pre-commissioned ²
OAH Bollard	Y3	IES Type III Clear Lens	sides closed from options A, B, C,	1040	4000K CCT, CRI 70, 15 Watts	SC-MW	SiteSync Motion Sensor, ~24'Ø coverage	
		144	IEC T IV Class I	D or you may choose HSS option.	4050	FOODY COT ODI 70 45 Maile	1400	10 C 11: 11

Refer to page 4 for additional

Short side closed

Side 90° counterclockwise from short side closed Side 180° counterclockwise from short side closed

Side 270° counterclockwise from short side closed HSS House side shield

information

В

D

1050 5000K CCT, CRI 70, 15 Watts

2030 3000K CCT, CRI 70, 30 Watts

2040 4000K CCT, CRI 70, 30 Watts

2050 5000K CCT, CRI 70, 30 Watts

Voltage		Fixture	e Finish	Controls	Accessories
120-277V	120-277 input standard or you may choose one	BLS BLT	Black Gloss Smooth Black Matte Textured	SWUSB	SiteSync loaded on USB flash drive (Windows® operating system only ^{2,4}
347	347 VAC input	DBS	Dark Bronze Gloss Smooth	SWTAB	SiteSync Window® based Tablet ^{2,4}
480	480 VAC input	DBT	Dark Bronze Matte Textured	SWBRG	SiteSync Wireless Bridge Node 2,4
		GTT	Graphite Matte Texture		
		LGS	Light Grey Gloss Smooth		
		LGT	Light Grey Matte Textured		
		PSS	Platinum Silver Gloss Smooth		
		VGT	Verde Green Matte Textured		
		WHS	White Gloss Smooth		
		WHT	White Matte Textured		
		СС	Custom Color ³		

Y4 IES Type IV Clear Lens

Y5 IES Type V Clear Lens

YD Symmetric distribution,

diffused lens

Notes:

- Consult factory for the following options: 560nm monochromatic amber, 2700K 80 CRI, Custom Lumen Packages
- Specify group and zone at time of order. See www.hubbelllighting.com/sitesync for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node
- Consult factory for custom color, marine and corrosive finish
- When ordering with SiteSync, one of the following interface options must be chosen and ordered separately. Each option contains the SiteSync License, GUI and Bridge Node



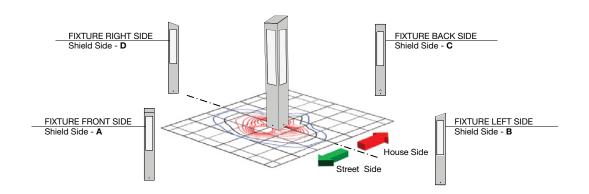


DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #	

DELIVERED LUMENS

					Optional Shielding 3000K 70CRI			રા	5000K 70CRI																							
System Watts	Output	Closed Sides	IES Type	Distribution	Chialdia		Lumen	F	Bug Rating		Efficancy	Lumen	Bug Rating		9	Efficancy	Lumen	Bug Rating			Efficancy											
					Shielding	Equivalent		В	U	G	(Lm/W)		В	U	G	(Lm/W)		В	U	G	(Lm/W)											
			Type 2	Y2	(none)	-	1281	1	0	1	92	1294	1	0	1	92	1323	1	0	1	95											
		(none)	Type 3	Y3	(none)	-	1192	1	0	1	85	1204	1	0	1	86	1233	1	0	1	88											
			Type 4	Y4W	(none)	-	1232	0	1	1	88	1245	0	1	1	89	1273	0	1	1	91											
			Type 2	Y2	С	HSS	1187	1	0	1	85	1199	1	0	1	86	1226	1	0	1	88											
			Type 3	Y3	С	HSS	1092	0	0	1	78	1103	0	0	1	79	1128	0	0	1	81											
		1 Side	Type 4	Y4W	С	HSS	1168	0	1	1	83	1180	0	1	1	84	1207	0	1	1	86											
	Assymetric			Y5	С	A/B/D	897	1	0	1	64	906	1	0	1	65	926	1	0	1	66											
			-	YD	С	A/B/D	350	0	3	1	25	373	0	3	1	27	373	0	3	1	27											
15		2 Sides		Y5	BC	AB/CD/AD	620	0	0	1	44	626	0	0	1	45	640	0	0	1	46											
		(adjacent)	-	YD	BC	AB/CD/AD	236	0	3	1	17	251	0	3	1	18	251	0	3	1	18											
	3 Sides (adjacent)			3 Sides		Y5	BCD	ABC / ABD / ACD	307	0	0	1	22	310	0	0	1	22	317	0	0	1	23									
		(adjacent)	(adjacent)	(adjacent)	(adjacent)	(adjacent)	-	YD	BCD	ABC / ABD / ACD	57	0	0	1	4	61	0	0	1	4	61	0	0	1	4							
	(none) Symmetric	' '	Type 5	Y5	(none)	-	1098	1	0	1	78	1189	1	0	1	85	1179	1	0	1	84											
			Type 5	YD	(none)	-	478	0	3	1	34	509	0	3	1	36	509	0	3	1	36											
	Symmetric	2 Sides (opposing)							_	Y5	AC	BD	593	1	0	1	42	599	1	0	1	43	612	1	0	1	44					
				YD	AC	BD	233	0	3	1	17	248	0	3	1	18	248	0	3	1	18											
			Type 2	Y2	(none)	-	2289	1	0	1	76	2302	1	0	1	77	2451	1	0	2	82											
		(none)	Type 3	Y3	(none)	-	2153	1	0	1	72	2165	1	0	1	72	2305	1	0	1	77											
			Type 4	Y4W	(none)	-	2276	1	2	1	76	2299	1	2	1	77	2351	1	2	1	78											
			Type 2	Y2	С	HSS	2199	1	0	2	73	2221	1	0	1	74	2271	1	0	2	76											
			Type 3	Y3	С	HSS	2041	1	0	1	68	2066	1	0	1	69	2107	1	0	1	70											
		1 Side	Type 4	Y4W	С	HSS	2158	0	1	1	72	2179	0	1	1	73	2229	0	1	1	74											
	Assymetric		2 Sides													Y5	С	A/B/D	1645	1	0	1	55	1662	1	0	1	55	1699	1	0	1
										_	YD	С	A/B/D	634	0	3	1	21	685	0	3	1	23	679	0	3	1	23				
30								_	Y5	BC	AB/CD/AD	1138	1	0	1	38	1149	1	0	1	38	1175	1	0	1	39						
		(adjacent)		YD	BC	AB/CD/AD	427	0	3	1	14	461	0	3	1	15	457	0	3	1	15											
		3 Sides	_	Y5	BCD	ABC / ABD / ACD	563	0	0	1	19	568	0	0	1	19	581	0	0	1	19											
		(adjacent)	(adjacent)	(adjacent)	-	YD	BCD	ABC / ABD / ACD	104	0	0	1	3	112	0	0	1	4	111	0	0	1	4									
		(none)	Type 5	Y5	(none)	-	1978	2	0	1	66	2188	2	0	1	73	2163	2	0	1	72											
	Symmetric	(HOHE)	Type 3	YD	(none)	-	866	0	3	4	29	935	0	3	1	31	927	0	3	1	31											
	Symmetric	2 Sides	_	Y5	AC	BD	1075	1	0	1	36	1085	1	0	1	36	1110	1	0	1	37											
	(opposing)	(opposing)		YD	AC	BD	426	0	3	1	14	460	0	3	1	15	456	0	3	1	15.2											

^{* -} Values are representative of the Distribution + Shielding Ordering Code combination, IES file may need to be rotated to match an equivalent shielding configuration.







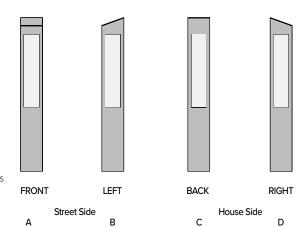
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

DIMENSIONS

MODEL	K41SMK
Overall Height	42" / 1067mm
Overall Length	6" / 152mm
Overall Width	6" / 152mm
Window Height	19.9" / 51cm
Window Width	4" / 10cm
WEIGHT	30 lbs. / 13.6kg

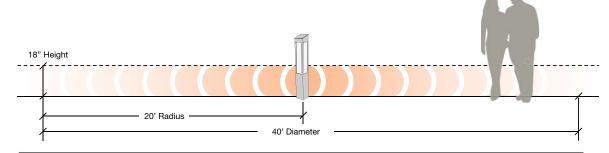
^{*} Housing and optical distribution are independently field rotatable in 90° increments . Default factory orientations shown above.

DISTRIBUTION OUTPUT* SHIELDING SIDE



SENSOR COVERAGE

Motion Sensor uses microwave sensing technology that reacts to physical changes in within the coverage area. Careful consideration must be given to objects or activity that may trigger the sensor unintentionally. Dip Switch Settings on the microwave sensor will be pre-set at the factory. For additional information on troubleshooting, please refer to the KicK Bollard Installation Instruction.





DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

0.5 FC

2 FC 3 FC 4 FC 5 FC 6 FC 7 FC 8 FC

PHOTOMETRICS

	IPLATES 5' grid		n in italics.				
		As	symmetric Distri	bution		Symmetric I	Distribution
Shielding	Type II	Type III	Type IV	Type V	Diffused Lens	Type V	Diffused Lens
(none)	KB6-Y2-1050	KB6-Y3-1050	KB6-Y4-1050			KB6-Y5-1050	KB6-YD-1050
1 Side C or HSS	KB6-Y2-C-1050 KB6-Y2-HSS-1050	KB6-Y3-C-1050 KB6-Y3-HSS-1050	KB6-Y4-C-1050 KB6-Y4-HSS-1050	KB6-Y5-C-1050	KB6-YD-C1050		
				KB6-Y5-CD-1050	KB6-YD-CD-1050		
2 Sides adjacent CD, AB, BC or AD				KB6-Y5-AB-1050 KB6-Y5-BC-1050 KB6-Y5-AD-1050	KB6-YD-AB-1050 KB6-YD-BC-1050 KB6-YD-AD-1050		
2 Sides opposing AC or BD						KB6-Y5-AC-1050 KB6-Y5-BD-1050	KB6-YD-AC-1050 KB6-YD-BD-1050
					C		
3 Sides				KB6-Y5-BCD-1050			



KB6-Y5-ABC-1050

KB6-Y5-ACD-1050

KB6-YD-ABC-1050

KB6-YD-ACD-1050

BCC, ABC, or

ACD



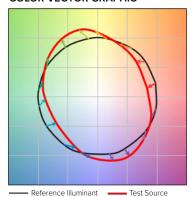
DATE: LOCATION:

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CATALOG #:

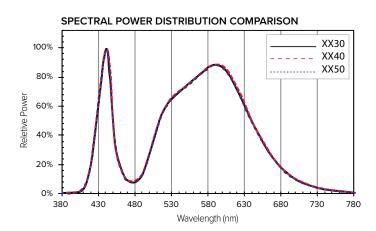
TM-30 DATA

COLOR VECTOR GRAPHIC



TEST SOURCE

Value	Ordering Code									
Value	XX30	XX50								
Rf	69	69	71							
Rg	99	99	98							
CCT(K)	3122	3852	5020							
Duv	0.001	0.0004	0.0005							
CIE Ra	74	73	74							



ELECTRICAL CHARACTERISTICS

	LED Current (mA)	System Wattage (W)	Input								Inrush Current Peak				
Ordering Code			Amps AC				Hz	Min. Power Factor	Max THD (%)		Source/Sink Current (mA)	(A)		T@50% (µs)	
			120	277	347	480		i deloi	(/0)			120	277	120	277
10XX	350	15	0.12	0.05	0.04	0.03	50/60	>0.9	20	0-10	1	15		N/A	
20XX	700	30	0.25	0.11	0.09	0.06	50/60					21	49	160	

TM-21 LIFETIME CALCULATION (500MA)

Ambient	Proje		men Maintena (Khrs)		Reported L70	
Environment °C	25	50	60 (TM-21)	75	100	·
25	98%	95%	94%	93%	90%	>60Khrs.
40	98%	95%	94%	93%	90%	>ouknrs.