

# **B-K LIGHTING**

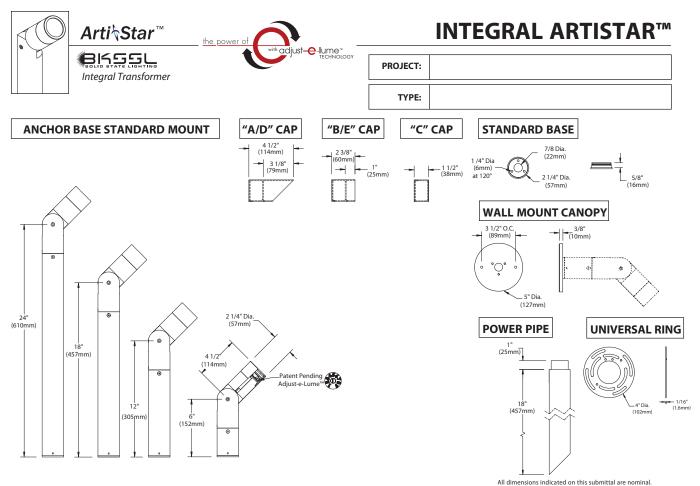
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

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www.bklighting.com • info@bklighting.com

SUB001108

5-8-12



### SPECIFICATIONS GreenSource Initiative

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

#### Materials

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

#### Body

Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

#### Knuckle

'Aim and Lock' knuckle is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb, static load prior to movement to ensure decades of optical alignment. Biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap Fully machined. Accommodates [1] lens or louver media. Choose from 45° cutoff ('A' or 'D'), 1" deep bezel with 90° cutoff ('B' or 'E'), or flush lens ('C') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E caps exclude weep-hole and are for interior use only.

#### Lens

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

#### BKSSL™

Integrated solid state system with 'e' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components.

Integral non-dimming driver. Minimum 50,000 hour rated life at 70% of initial lumens (L70). BKSSL technology provides long life, significant energy reduction and exceptional thermal management.

#### Optics

Interchangeable OPTIKIT™ modules permit field changes to optical distribution. Color-coded for easy reference: Narrow Spot (NSP) = Red. Spot (SP) = Green. Medium Flood (MFL) = Yellow. Wide Flood = Blue.

#### Adjust-e-Lume<sup>™</sup> (Pat. Pending)

Integral electronics allows dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed as conditions require. Specify factory preset output intensity.

#### Installation

Available for installation in three distinct mounting conditions:

#### Anchor Base (Standard)

Machined anchor base with 7/8" dia. slip conduit hole and [3] 3/16" dia. anchor bolt holes (hardware by others).

#### Power Pipe<sup>™</sup> (Optional)

Provides a clean transition from wiring system to fixture. Schedule 80, 18" PVC housing for direct burial into soil or concrete. Machined 2-1/4" dia. cap for fixture mounting. Stainless steel hardware. Optional 6" diameter, molded stability flange, which simplifies installation and projects into substrate to reinforce housing stability.

Contact Technical Sales if you require more stringent specifications.

#### Wall Mount Canopy (Optional)

Optional 5" dia. machined canopy permits mounting to junction box (gasket by others). 6" maximum base height for canopy-mounted brass or stainless steel fixture.

#### Transformer

Integral, low voltage, magnetic transformer. 120, or 277VAC primary voltage, 50/60Hz. 12VAC secondary voltage.

#### Hardware

Tamper-resistant, stainless steel hardware. Knuckle vertical aiming screw is additionally black oxide treated for additional corrosion resistance.

#### Finish

StarGuard® (Pat. Pend.), a RoHs compliant, 15 stage chromatefree process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

#### Warranty

5 year limited warranty.

**Certification and Listing** ITL tested to IESNA LM-79. Lighting Facts Registration per USDOE (www.lightingfacts.com). ETL Listed to ANSI/UL Standard 1598 and UL Standard 8750. Certified to CAN/CSA Standard C22.2 No. 250. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. IP66 Rated. Made in USA



emark of DuPont Corporation. red trademark of the United States Environmental \*Telfostels a register \*Energy Star is a Protection Agency



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SUBMITTAL DATE	DRAWING NUMBER
5-8-12	SUB001108

Photometry for use with e36



#### Select OptiKit<sup>™</sup> for desired distribution



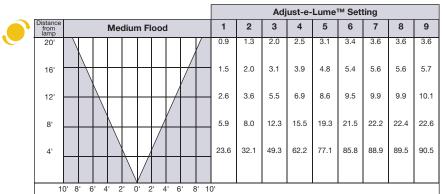
Set adjust-e-lume™ Dial to desired output



Narro					Auj	ust-e-	Lume	™ Set	ling		
Narro	w Sp	oot	1	2	3	4	5	6	7	8	9
		$\left[ \right]$	2.4	3.1	5.0	6.3	7.6	8.9	9.2	9.3	9.3
			3.8	4.9	7.9	9.9	11.9	13.9	14.3	14.6	14.6
			6.7	8.6	14.0	17.6	21.2	24.7	25.5	25.9	25.9
			15.1	19.4	31.4	39.7	47.6	55.5	57.3	58.3	58.3
	$\mathbb{V}$		60.4	77.7	125.8	158.6	190.4	222.1	229.2	233.0	233.2
2'	0' 2'	4									
	2'	2' 0' 2	2' 0' 2' 4	3.8 6.7 15.1 60.4	3.8   4.9     6.7   8.6     15.1   19.4     60.4   77.7     2'   0'   2'	3.8   4.9   7.9     6.7   8.6   14.0     15.1   19.4   31.4     60.4   77.7   125.8	3.8   4.9   7.9   9.9     6.7   8.6   14.0   17.6     15.1   19.4   31.4   39.7     60.4   77.7   125.8   158.6	3.8 4.9 7.9 9.9 11.9   6.7 8.6 14.0 17.6 21.2   15.1 19.4 31.4 39.7 47.6   60.4 77.7 125.8 158.6 190.4   2' 0' 2' 4' 51.2	3.8 4.9 7.9 9.9 11.9 13.9   6.7 8.6 14.0 17.6 21.2 24.7   15.1 19.4 31.4 39.7 47.6 55.5   60.4 77.7 125.8 158.6 190.4 222.1   2' 0' 2' 4' 55.5 55.5	3.8 4.9 7.9 9.9 11.9 13.9 14.3   6.7 8.6 14.0 17.6 21.2 24.7 25.5   15.1 19.4 31.4 39.7 47.6 55.5 57.3   60.4 77.7 125.8 158.6 190.4 222.1 229.2   2' 0' 2' 4' 55.5 57.3	3.8 4.9 7.9 9.9 11.9 13.9 14.3 14.6   6.7 8.6 14.0 17.6 21.2 24.7 25.5 25.9   15.1 19.4 31.4 39.7 47.6 55.5 57.3 58.3   60.4 77.7 125.8 158.6 190.4 222.1 229.2 233.0

							Adj	ust-e-	Lume	™ Set	ting		
Distance from lamp		Spo	t		1	2	3	4	5	6	7	8	9
20'					1.6	2.1	3.3	4.3	5.3	5.9	6.1	6.3	6.3
16'					2.6	3.3	5.2	6.7	8.2	9.3	9.6	9.8	9.9
12'			/	$\vdash$	4.5	5.8	9.3	12.0	14.7	16.5	17.0	17.5	17.5
8'				$\left  \right $	10.2	13.0	20.9	26.9	33.0	37.0	38.3	39.4	39.4
4'			$\mathbb{A}$		40.9	52.1	83.4	107.8	131.9	148.1	153.1	157.5	157.8
		$\mathbb{N}$	/										
8	6' 4'	2' 0'	2' 4	4' 6'	8'								

Note: If using No. 11 honeycomb baffle multiply footcandle values by .80



Note: If using No. 11 honeycomb baffle multiply footcandle values by .80

																		Adj	ust-e-	Lume	™ Set	ting		
	Distance from lamp						W	ide	Flo	od						1	2	3	4	5	6	7	8	9
C	20'														ľ	0.4	0.6	0.9	1.1	1.4	1.6	1.6	1.7	1.7
	16'		$\sum$													0.7	0.9	1.4	1.8	2.1	2.5	2.6	2.6	2.6
				$\setminus$															-			-	-	
	12'				$\setminus$								ſ			1.2	1.6	2.5	3.2	3.8	4.4	4.6	4.7	4.7
	8'															2.7	3.7	5.6	7.2	8.6	10.0	10.3	10.5	10.6
	Ŭ									/	/													
	4'						$\backslash$									10.9	14.8	22.3	28.6	34.3	39.9	41.1	42.2	42.3
								$\backslash$	/															
	14	4' 12	2' 10	)' 8	6	' 4	' 2	' 0	' 2	' 4	l' 6	6' 8	8' 1	0' 1:	2'1	4'								

Note: If using No. 11 honeycomb baffle multiply footcandle values by .80



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Photometry for use with e22

## Select OptiKit™ for desired distribution



Set adjust-e-lume™ Dial to desired output

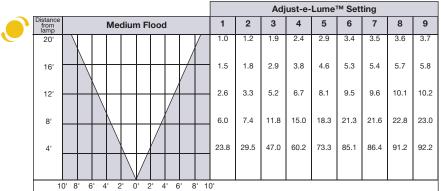


								Adj	ust-e-	Lume	™ Set	ting		
	Distance from lamp	Na	rrov	N S	pot	1	2	3	4	5	6	7	8	9
	20'					2.4	2.9	4.9	6.1	7.3	8.8	9.1	9.3	9.3
	16'					3.8	4.6	7.6	9.6	11.4	13.8	14.3	14.5	14.6
	12'			$\square$		6.7	8.2	13.5	17.0	20.3	24.5	25.4	25.7	25.9
	8'					15.1	18.4	30.3	38.2	45.8	55.2	57.0	57.9	58.2
	4'			/		60.3	73.6	121.3	152.8	183.1	220.9	228.2	231.6	232.8
	4	2	' C	<u> </u>	2' 4									
l.	4						Noto	Husing	la 11 har	ou comb l	offlo mul	tinh foot	andloval	une hu 00

Note: If using No. 11 honeycomb baffle multiply footcandle values by .80

								Adj	ust-e-	Lume	™ Set	ting		
Distance from lamp		5	Spot			1	2	3	4	5	6	7	8	9
20'	V				/	1.6	2.1	3.1	4.1	4.9	6.0	6.1	6.2	6.3
16'			+			2.5	3.3	4.9	6.4	7.6	9.3	9.6	9.8	9.9
12'			_			4.5	5.9	8.7	11.4	13.5	16.6	17.0	17.3	17.5
8'		$\left  \right $	_			10.2	13.2	19.5	25.6	30.5	37.3	38.3	39.0	39.4
4'						40.6	52.7	78.1	102.3	121.9	149.1	153.1	156.0	157.8
			$\bigvee$											
8	6'4	2'	0' 2	2' 4' 6	' 8	1								uar by 80





Note: If using No. 11 honeycomb baffle multiply footcandle values by .80

																		Adj	ust-e-	Lume	™ Set	ting		
	Distance from lamp						W	ide	Flo	od						1	2	3	4	5	6	7	8	9
C	20'															0.4	0.5	0.9	1.1	1.3	1.6	1.7	1.7	1.7
	16'		$\rightarrow$			_			_				/	/		0.7	0.8	1.4	1.7	2.0	2.4	2.6	2.7	2.7
	12'											/				1.2	1.5	2.5	3.0	3.5	4.3	4.7	4.7	4.7
	8'															2.8	3.4	5.5	6.7	7.9	9.8	10.5	10.7	10.7
	4'									/						11.1	13.4	22.2	26.8	31.7	39.0	41.9	42.6	42.7
										/														
	14	4' 12	2' 10	)' 8	' 6	' 4	2	' 0	2	' 4	' 6	i' 8	3' 1	0' 12	2'1	4'								

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# adjust**-,⊖**•lume™

## TECHNOLOGY

Photometry for use with e23

#### Select OptiKit™ for desired distribution



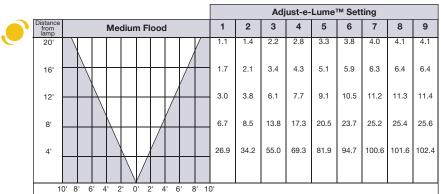
Set adjust-e-lume™ Dial to desired output



16' 4.3 5.7 8.7 10.8 13.3 15.7 16.2 16.3   12' 7.6 10.2 15.4 19.2 23.6 27.9 28.8 29.3   8' 17.1 23.0 34.7 43.2 53.0 62.8 64.8 66.0								Adj	ust-e-	Lume	™ Set	ting		
16' 4.3 5.7 8.7 10.8 13.3 15.7 16.2 16.3   12' 7.6 10.2 15.4 19.2 23.6 27.9 28.8 29.3   8' 17.1 23.0 34.7 43.2 53.0 62.8 64.8 66.0	from	Na	rrov	N S	pot	1	2	3	4	5	6	7	8	9
12' 7.6 10.2 15.4 19.2 23.6 27.9 28.8 29.3   8' 17.1 23.0 34.7 43.2 53.0 62.8 64.8 66.0	20'					2.7	3.7	5.5	6.9	8.5	10.1	10.4	10.6	10.6
8 <sup>°</sup> 17.1 23.0 34.7 43.2 53.0 62.8 64.8 66.0	16'					4.3	5.7	8.7	10.8	13.3	15.7	16.2	16.5	16.5
	12'					7.6	10.2	15.4	19.2	23.6	27.9	28.8	29.3	29.4
4' 68.6 91.9 138.6 172.9 212.1 251.3 259.2 263.	8'			1		17.1	23.0	34.7	43.2	53.0	62.8	64.8	66.0	66.1
	4'			+		68.6	91.9	138.6	172.9	212.1	251.3	259.2	263.8	264.3
4' 2' 0' 2' 4'	4	2	' C	)' 2	2' 4									

							Adj	ust-e-	Lume	™ Set	ting		
Distance from lamp		Sp	ot		1	2	3	4	5	6	7	8	9
20'					1.9	2.4	3.7	4.8	6.0	6.8	7.1	7.1	7.1
16'					2.9	3.7	5.9	7.4	9.4	10.6	11.0	11.1	11.2
12'	-	_			5.2	6.6	10.4	13.2	16.7	18.9	19.6	19.8	19.8
8'					11.8	14.9	23.4	29.7	37.6	42.5	44.1	44.6	44.6
4'					47.0	59.6	93.6	118.9	150.3	170.1	176.3	178.3	178.6
			/		1								
8	6' 4'	2' 0	' 2	' 4' 6'	8'	1	1			1			

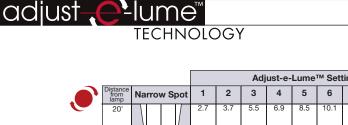
Note: If using No. 11 honeycomb baffle multiply footcandle values by .80



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																	Adj	ust-e-	Lume	™ Set	ting		
Distance from lamp						W	ide	Flo	od						1	2	3	4	5	6	7	8	9
20'														/	0.5	0.6	1.0	1.2	1.4	1.7	1.8	1.8	1.8
16'												/	/		0.8	1.0	1.5	1.8	2.2	2.7	2.8	2.8	2.9
12'											/	r 			1.3	1.8	2.7	3.3	3.9	4.7	4.9	5.0	5.1
8'					A										3.0	4.0	6.0	7.3	8.8	10.7	11.1	11.3	11.4
4'						$\setminus$									12.0	15.9	23.9	29.3	35.1	42.6	44.4	45.1	45.7
							$\setminus$																
14	4' 12	2' 10	)' 8	6 '	6' 4	' 2	' 0	1'2	' 4	l' 6	6' 8	3' 1	0' 12	2' 1	4'								

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lighting facts
Light Output (Lumens) 365 Watts 8.2 Lumens per Watt (Efficacy) 44
Color Accuracy Color Rendering Index (CRI) 68
ted Color Temperature (CCT) 4102 (Bright Wh ted Color Temperature (CCT) 4102 (Bright Wh ted Color Temperature (CCT) 2000
2700K 3000K 4500K 6500K 6500K All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) vertiles product test data and results.
Visit www.lightingfacts.com for the Label Reference Guide. Registration Number. GCXV-175,INT Model Number. AR-LED-TR-e25-NSP-12-C Type: Other
<b>Iighting facts</b> <sup>cm</sup> . W. Flood
Light Output (Lumens) 345 Watts 8.3 Lumens per Watt (Efficacy) 41
Color Accuracy Calor Rendering Index (CRI) 67
sature (CCT) 3981 (Bright Wh
27.00N JOUN HENAL HATTE POOL POOL CONTRACT CONTRACT CONTRACT Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) vertifies product test data and results.
Visit www.lightingfacts.com for the Label Reference Guide. Registration Number. GCXV-S3LEVG Model Number. AR-LED-TR-823-WFL-12-C

