

**BKSSL**  
SOLID STATE LIGHTING

the power of  
dimming



**STEP STAR™**

**PROJECT:**

**TYPE:**

**CATALOG  
NUMBER:**

**SOURCE:**

**NOTES:**

## CATALOG NUMBER LOGIC

Example:  -  **SS** -  **LED** -   -   -  **MAC** -  **A**

Material

**Blank** - Aluminum  
**B** - Brass

Series

**SS** - Step Star™

Source

**LED** - 'e' Technology with Integral Dimming Driver (See Specifications for Dimming)  
*Designed for use with remote 12VAC BKSSL® transformers. Requires magnetic Low Voltage dimmer.*

LED Type

**e100** - 5WLED/2.7K      **e102** - 5WLED/4K  
**e101** - 5WLED/3K      **e103** - 5WLED/Amber

Adjust-e-Lume® Output Intensity (Choose factory setting)

**A9** (Standard), **A8, A7, A6, A5, A4, A3, A2, A1**

Finish

### Aluminum Finish

Powder Coat Color	Satin	Wrinkle
Bronze	<b>BZP</b>	<b>BZW</b>
Black	<b>BLP</b>	<b>BLW</b>
White (Gloss)	<b>WHP</b>	<b>WHW</b>
Aluminum	<b>SAP</b>	—
Verde	—	<b>VER</b>

### Brass Finish

Machined	<b>MAC</b>
Polished	<b>POL</b>
Mitique™	<b>MIT</b>

### Premium Finish

<b>ABP</b> Antique Brass Powder	<b>CMG</b> Cascade Mountain Granite	<b>RMG</b> Rocky Mountain Granite
<b>AMG</b> Aleutian Mountain Granite	<b>CRI</b> Cracked Ice	<b>SDS</b> Sonoran Desert Sandstone
<b>AQW</b> Antique White	<b>CRM</b> Cream	<b>SMG</b> Sierra Mountain Granite
<b>BCM</b> Black Chrome	<b>HUG</b> Hunter Green	<b>TXF</b> Textured Forest
<b>BGE</b> Beige	<b>MDS</b> Mojave Desert Sandstone	<b>WCP</b> Weathered Copper
<b>BPP</b> Brown Patina Powder	<b>NBP</b> Natural Brass Powder	<b>WIR</b> Weathered Iron
<b>CAP</b> Clear Anodized Powder	<b>OCP</b> Old Copper	<i>Also available in RAL Finishes See submittal SUB-1439-00</i>

Cutoff

**A** - 68° Cutoff (Short)  
**B** - 90° Cutoff (Long)

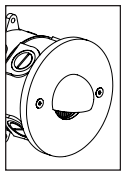
**B-K LIGHTING**

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RELEASED  
05-17-17

DRAWING NUMBER  
SUB000938

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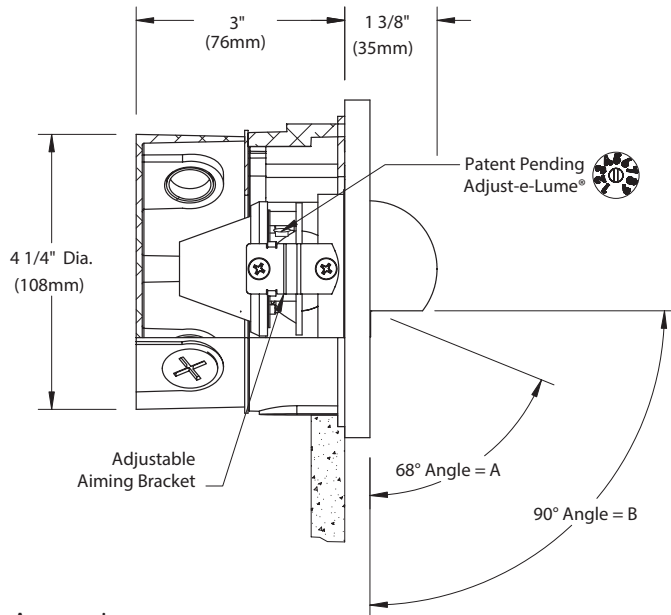
the power of  
dimming. with **adjust-e-lume®**  
TECHNOLOGY

**STEP STAR™**

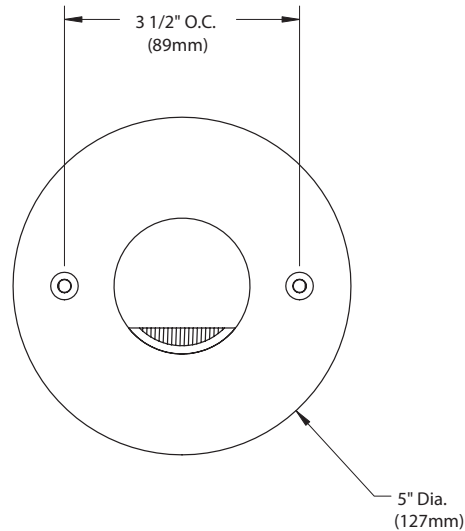
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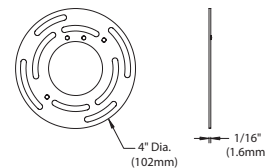
### SIDE VIEW



### FACEPLATE DETAIL



### UNIVERSAL RING



Accessories (Configure separately)

#### Remote options:



TR Series



UPMRM™

All dimensions indicated on this submittal are nominal.  
Contact Technical Sales if you require more stringent specifications.

## SPECIFICATIONS

### GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced on site. 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](http://www.bklighting.com/greensource) for program requirements.

### Materials

Furnished in Copper-Free Aluminum (Type 360) or Brass (Type 360).

### Backbox

Round, 4-1/4" dia. x 3-1/8" deep construction with [2] mounting tabs. Front access for wire connection and inspection. Provided with [5] 1/2" NPS tapped holes and [4] plugs. Suitable for concrete pour.

### Faceplate

Cast construction with machined finish. Countersunk holes provide for flush hardware mounting with [2] tamper-resistant, stainless steel mounting screws. Stainless steel universal mounting ring for faceplate adjustment and 1/8" thick HT-805A silicone foam gasket with acrylic adhesive for water-tight seal.

### Lens

Shock resistant, tempered, glass lens is factory adhered to faceplate.

### 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, constant current driver. 12VAC/VDC input. 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current. Output, over-voltage, open-circuit, and short circuit protected. Inrush current limited to <1A (non-dimming). Conforms to Safety Std. C22.2 No. 250.13-12.

### Dimming

Line voltage dimmable via magnetic low voltage dimmer. For use with low voltage dimmer with dedicated neutral conductor. For purposes of dimming: Remote magnetic transformer with BKSSL® Power of 'e' technology loads should be loaded to 25% of the transformer VA (watts) rated value.

### Optics

Rectilinear design provides wide lateral distribution and long forward throw.

### Adjust-e-Lume® (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.

### Cutoff and Aiming

Choice of 90° or 68° optical cutoff for mounting heights well below typical visual glare angles. Adjustable optical bracket provides up to 24° vertical aiming.

### Remote Transformer

For use with 12VAC BKSSL remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.

### Wiring

Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

### Hardware

Tamper-resistant, stainless steel hardware. Faceplate screws are additionally black oxide treated for additional corrosion resistance.

### Finish

StarGuard®, our exclusive RoHS compliant, 15 stage chromate-free 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.

### Warranty

5 year limited warranty.

### Certification and Listing

ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. RoHS compliant. Suitable for indoor or outdoor use. Suitable for installation in combustible materials (Type Non-IC). Suitable for use in wet locations. Suitable for installation within 4' of the ground. IP65 Rated. Made in USA.



\*Teflon is a registered trademark of DuPont Corporation.

\*Energy Star is a registered trademark of the United States Environmental Protection Agency.

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DRIVER DATA	Input Volts	InRush Current	Operating	Dimmable	Operation Ambient Temperature
	12VAC/DC 50/60Hz	<250mA (non-dimmed)	500mA	Magnetic Low Voltage Dimmer	-22°F-194°F (-30°C - 90°C)

LM79 DATA				L70 DATA	OPTICAL DATA	
BK No.	CCT (Typ.)	CRI (Typ.)	Input Watts (Typ.)	Minimum Rated Life (hrs.) 70% of initial lumens (L70)	Louver Angle	Delivered Lumens
e100	2700K	80	5	50,000	C-30°	59
	2700K	80	5	50,000		
e101	3000K	80	5	50,000	C-30°	60
	3000K	80	5	50,000		
e102	4000K	80	5	50,000	C-30°	68
	4000K	80	5	50,000		
e103	Amber (590nm)	~	5	50,000	~	~