CO²

Precision²

BKSSL® SOLID STATE LIGHTING

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

Remote Transformer (RD) • Offset

CATALOG NUMBER LOGIC

	CO2	OS	LED	RD								AH

Example B - CO2 - OS - LED - RD - e22 - NSP - A8 - SAP - 13 - 11 - AH

Material
Blank - Aluminum **B** - Brass **S** - Stainless Steel

Faceplate
CO2 - Flange

Style
OS - Offset Lens

OptiLock®
LED - 'e' Technology with Integral Dimming Driver (25W min. load when dimmed)
Designed for use with remote 12VAC BKSSL® transformers. Requires magnetic Low Voltage dimmer.

Housing
RD - Remote Deep Housing *(Requires Remote Transformer)*

LED Type
e36 - 8WLED/2.7K   **e23** - 8WLED/4K
e22 - 8WLED/3K   **e27** - 8WLED/Amber

Optics
NSP - Narrow Spot (Red Indicator)   **SP** - Spot (Green Indicator)   **MFL** - Medium Flood (Yellow Indicator)   **WFL** - Wide Flood (Blue Indicator)

Adjust-e-Lume® Output Intensity** *(Choose factory setting)*
A9 (Standard), A8, A7, A6, A5, A4, A3, A2, A1
**Please see Adjust-e-Lume® photometry to determine desired intensity.

Finish

Aluminum & Brass Faceplates

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

Brass Faceplates

Machined	MAC
Polished	POL
Mitique™	MIT

Stainless Faceplates

Machined	MAC
Polished	POL
Brushed	BRU *Interior use only.*

Premium Finish

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

Lens Type
12 - Soft Focus Lens   **13** - Rectilinear Lens

Shielding
11 - Honeycomb Baffle

Option
AH - Accessory Holder *(Accommodates up to 2 Media. Included as Standard)*
DG - Dome Glass Lens *(Replaces Flat Glass. Not Driveover Rated)*
GM-R - Round Grout Mask
GM-S - Square Grout Mask

DRIVER DATA

Input Volts	InRush Current	Operation Ambient Temperature
12VAC/DC 50/60Hz	250mA. Max. (non-dimmed) Magnetic Low Voltage Dimmer	-10°F-130°F

LM79 DATA

BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI (Typ.)
e36	2700K	8.4	80
e22	3100K	8.4	80
e23	4100K	8.4	80
e27	Amber (590nm)	7.9	~

L70 DATA

Minimum Rated Life (hrs.) 70% of initial lumens (L$_{70}$)
50,000
50,000
50,000
50,000

*OPTICAL DATA

Beam Type	Angle	e23 CBCP	Visual Indicator
Narrow Spot	14°	3594	Red Dot
Spot	18°	2456	Green Dot
Medium Flood	25°	1335	Yellow Dot
Wide Flood	36°	747	Blue Dot

B-K LIGHTING

RELEASED	DRAWING NUMBER
06-29-15	SUB-2384-00

CO²

Precision²
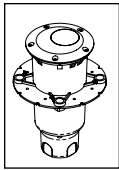IP-68 Rated In-Grade Lighting

BKSSL
SOLID STATE LIGHTING

the power of
with adjust-e-lume® TECHNOLOGY

Remote Transformer (RD) • Offset

| PROJECT: | |
| TYPE: | |

SIDE VIEW

7 1/2" Dia.
(190mm)

3 1/8" Dia.
(79mm)

1/2"
(12mm)

14 1/2"
(368mm)

10 1/8" Dia.
(257mm)

Patented
Stability
Flange

Patented
Hydro-Lock®
Barrier Plate
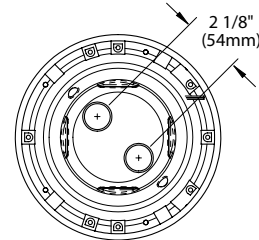Assembly (ACV™)

4"
(102mm)

FACEPLATE

7 1/2" Dia.
(190mm)

BOTTOM VIEW

2 1/8"
(54mm)
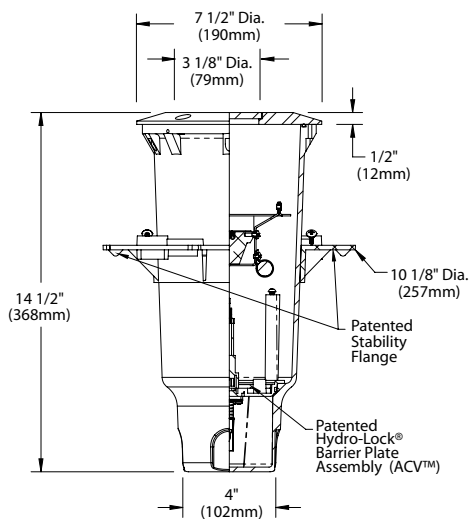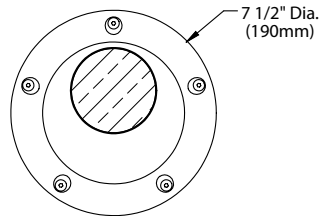
All dimensions indicated on this submittal are nominal.
Contact Technical Sales if you require more stringent specifications.

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 for program requirements.

Fixture Housing
Corrosion-free composite, made from high strength, thermo-formed, sheet molded polyester compound. Glass reinforced, flame retardant and UV stabilized. (2) bottom-entry, 3/4" NPT female conduit entries with knockout plugs and (4) side flats for 1/2" or 3/4" conduit adapters.

Patented Stability Flange
Corrosion-free composite flange projects into installation sub-strate to reinforce housing stability. Integral REBAR saddles simplify installation onto concrete form. (4) Orthogonal bosses permit use of 1/2" PCV conduit or EMT to simplify vertical position and leveling of housing. Pre-set self-tapping screws anchor housing at proper elevation.

Aiming
Dual axis OptiLock® stainless steel aiming bracket rotates 360° and provides vertical adjustment up to 35° from nadir. Positive lock action ensures optical orientation.

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.

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 250mA. (non-dimmed). Conforms to Safety Std. C22.2 No. 250.13-12.

Line dimmable. For use with low voltage dimmer with dedicated neutral conductor. Minimum 25 watt load required for dimming.

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 (WFL) = Blue.

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.

Installation
For direct burial installation in soil or concrete. Consult Drainage Installation Guide for In-Grade Fixtures (DIG-IT) for compliance with proper soil preparation and drainage requirements prior to installation.

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 / Connectors
Teflon® coated wire, 18 gauge, 600V, 250℃ rated and certified to UL1659 standard. Features OptiLock® and gear tray quick disconnects. Patented HydroLock® with anti-siphon valve (ASV™) wireway. (3) Water-Tight connectors supplied for line connection. Maximum (2) #10 & (1) #18. Minimum (1) #12 & (1) #18.

Water Management
Self Evacuating Airtight Lamp Module (S.E.A.L.™). IP-68 rated, vacuum sealed enclosure. Patented Anti-Condensation Valve (ACV™) eliminates condensation from optical chamber. High temperature silicone 'O' Ring at faceplate. Patented HydroLock® technology provides fail safe water barrier between junction box and interior components. Anti-siphon valve (ASV™) prevents "wicking" through conductor insulation.

Lens
High heat, shock resistant, tempered 1/4" borosilicate flat glass lens. Suitable for walk-over and drive-over applications to 35,000 lbs. Specify soft focus (#12) or rectilinear (#13) lens.

Faceplate
Solid, 1/2" machined 6061T6 aluminum with (5) black oxide, captive, stainless steel mounting screws. Faceplate options include solid, 1/2" machined brass and solid, 1/2" machined stainless steel.

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. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

Listings
ETL Listed to ANSI/UL Standard 1598 and Certified to CAN/CSA Standard C22.2 No. 250. RoHs compliant. IP68 Rated. Made in the USA.

ETL Intertek   MADE IN USA   RoHS   lighting facts

*Teflon is a registered trademark of DuPont Corporation.
Energy Star is a registered trademark of the United States Environmental Protection Agency.

B-K LIGHTING

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| RELEASED | DRAWING NUMBER |
| 06-29-15 | SUB-2384-00 |

Precision2® and its features are covered in whole or in part by U.S. Patent Nos. 7,033,038; 6,254,258 B1; 7,249,867 B2; 7,370,988 B2; 7,553,042; 7,560,148; and 7,699,489.