

Recessed ceiling downlights with symmetrical light distribution · narrow beam

Housing: Constructed of die-cast and extruded aluminum. Housing is provided with mounting clamps that provide a vibration proof installation in ceilings up to 1 3/8" total thickness. Rough-in housing constructed of galvanized steel with through wiring box. Rough-in housing included.

Enclosure: Tempered clear glass, retained by a one piece, die-cast aluminum step baffle frame that is treaded into luminaire housing. Internal reflector made from pure, anodized aluminum. Fully gasketed for weather tight operation using a molded silicone rubber gasket.

Electrical: 6.5W LED luminaire, 9 total system watts, -30°C start temperature. Integral 120V through 277V electronic LED driver, 0-10V dimming. LED module(s) are available from factory for easy replacement. Standard LED color temperature is 3000K with an 85 CRI. Available in 4000K (85 CRI); add suffix K4 to order.

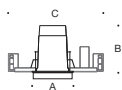
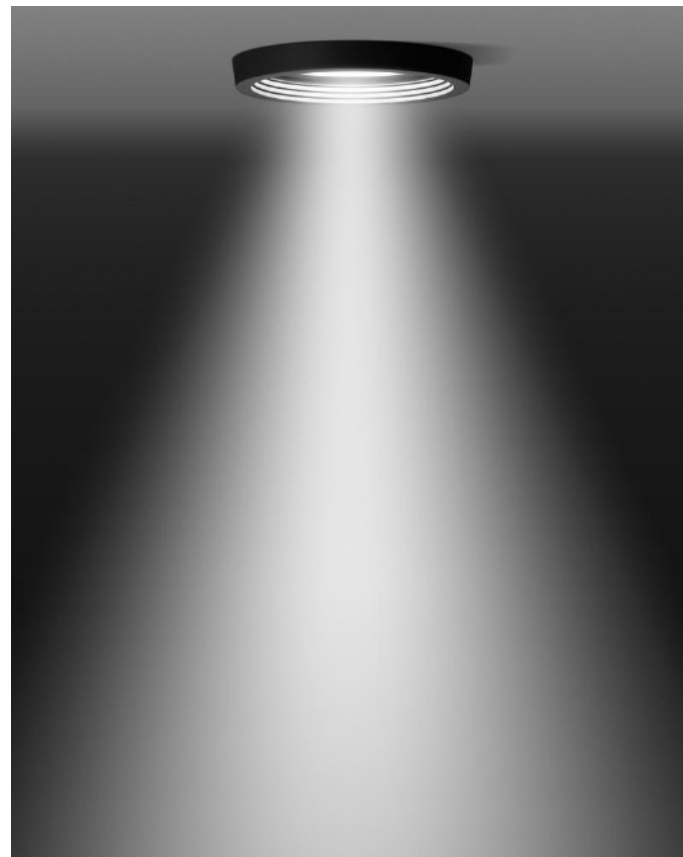
Note: LEDs supplied with luminaire. Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of BEGA-US. For the most current technical data, please refer to www.bega-us.com.

Finish: #4 brushed stainless steel. Stainless steel requires regular cleaning and maintenance, much like appliances, to maintain its luster and to prevent tarnishing or the appearance of rust like stains.

CSA certified to U.S. and Canadian standards, suitable for wet locations. Protection class IP65

Weight: 1.6 lbs.

Type:
 BEGA Product:
 Project:
 Voltage:
 Color:
 Options:
 Modified:



Lamp	β	A	B	C
6604 LED 6.5W LED	26°	4 3/4	7 1/4	18

Wall luminaires with directed light

Housing: One piece die-cast aluminum for direct attachment to wall over 3½" or 4" octagonal wiring box.

Enclosure: One piece die-cast aluminum guard, secured by two (2) captive socket head, stainless steel screws threaded into stainless steel inserts. Tempered etched glass with matte finish. Pure anodized aluminum reflector. Fully gasketed for weather tight operation using a molded silicone rubber O-ring gasket.

Electrical: 12W LED luminaire, 14.3 total system watts, -20°C start temperature. Integral 120V through 277V electronic LED driver, 0-10V dimming. The LED module and driver are mounted on a removable inner assembly for easy replacement. Standard LED color temperature is 3000K with an 85 CRI. Available in 4000K (85 CRI); add suffix K4 to order.

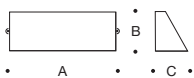
Finish: Available in four standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV). To specify, add appropriate suffix to catalog number. Custom colors supplied on special order.

UL listed, suitable for wet locations.
Protection class: IP64

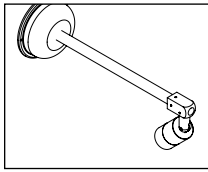
Luminaire Lumens: 465

Tested in accordance with LM-79-08.

Type:
BEGA Product:
Project:
Voltage:
Color:
Options:
Modified:



		Lamp	A	B	C
2380 LED	ADA	12W LED	11 ¾	4 ⅝	3 ⅝



SIGN STAR™ STYLE C with Power Canopy

PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

CATALOG NUMBER LOGIC

Example: **SN - LED - e22 - SP - A9 - CAP - 12 - 11 - A - 24 - C - PC**

Series: **SN** - Sign Star™

Source: **LED** - 'e' Technology with Integral Driver

LED Type: **e22** - 8WLED/3K, **e23** - 8WLED/4K, **e24** - 8WLED/Red, **e25** - 8WLED/Green, **e26** - 8WLED/Blue, **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 Finish** (Powder Coat Color, Satin, Wrinkle) and **Premium Finish** (ABP, CMG, RMG, AMG, CRI, SDS, AQW, CRM, SMG, BCM, HUG, TXF, BGE, MDS, WCP, BPP, NBP, WIR, CAP, OCP)

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

Shielding: **11** - Honeycomb Baffle

Cap Style: **A** - 45°, **B** - 90°, **C** - Flush, **D** - 45° without Weep Hole, **E** - 90° without Weep Hole

Stem Length (Specify in inches): 18", 24", 30", or 36"

Style: **C** - Straight Mount

Transformer Style: **PC** - Power Canopy with TRe20 Electronic Transformer*
 *105-300 VAC, 50/60 Hz, Non-Dimming

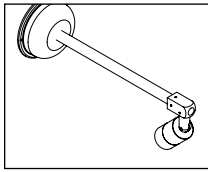
DRIVER DATA	Input Volts	InRush Current	Operation Ambient Temperature
	12VAC/DC 50/60Hz	<1A (non-dimmed)	-10°F-130°F

LM79 DATA				L70 DATA	
BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI (Typ.)	Minimum Rated Life (hrs.) 70% of initial lumens (L70)	
e36	2700K	8.4	90	50,000	
e22	3100K	8.4	90	50,000	
e23	4100K	8.4	75	50,000	
e24	Red (627nm)	7.9	~	50,000	
e25	Green (530nm)	8.4	~	50,000	
e26	Blue (470nm)	8.4	~	50,000	
e27	Amber (590nm)	7.9	~	50,000	

*OPTICAL DATA		
Beam Type	Angle	Visual Indicator
Narrow Spot	14°	Red Dot
Spot	18°	Green Dot
Medium Flood	25°	Yellow Dot
Wide Flood	36°	Blue Dot

B-K LIGHTING	40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com	SUBMITTAL DATE	DRAWING NUMBER
		8-21-13	SUB000973.1

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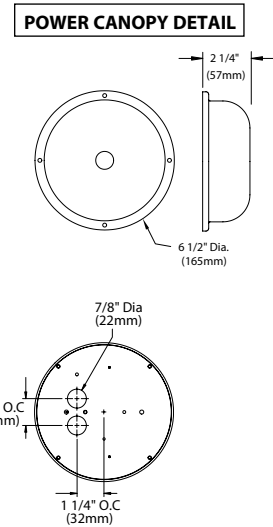
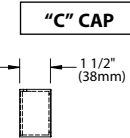
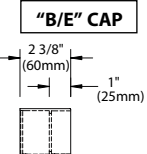
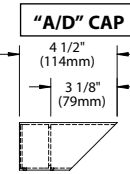
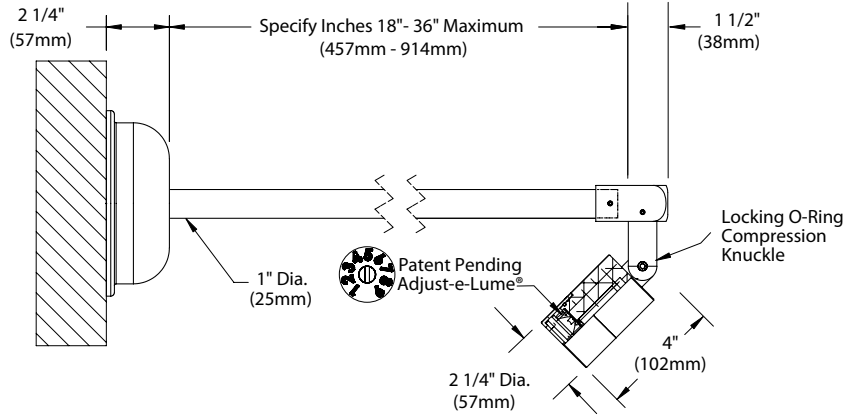
BKSSL
SOLID STATE LIGHTING

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

SIGN STAR™ STYLE C with Power Canopy

PROJECT:	
TYPE:	

SIDE VIEW



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 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).

Style
'C' Style provides straight profile with machined adapter for 90° transition from fixture to stem.

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
The LOCK™ (Locking 'O' Ring Compression 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.

Stem
Fully machined, 1" dia. with internal threads for maximum visual appeal. Available in configurable lengths to 36" maximum overall.

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, 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. Conforms to Safety Std. C22.2 No. 250.13-12.

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® (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
6-1/2" dia. Power Canopy™ features gasketed mounting plate for surface or junction box installation with two 1/2" KO's for wiring (hardware by others). Junction box installation must be designed to hold full fulcrum weight of fixture.

Transformer
Integral, TRe20 electronic transformer. 105-300VAC primary voltage. 50/60Hz. Non Dimming. 20VA maximum load.

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

Hardware
Tamper-resistant, stainless steel hardware. LOCK™ aiming screw and canopy mounting 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. Lighting Facts Registration per USDOE (www.lightingfacts.com). ETL Listed to ANSI/UL Standard 1838 and UL Subject 8750 and Certified to CAN/CSA Standard C22.2 No. 9. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. IP 66 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.

Select OptiKit™ for desired distribution

- RED**  **Narrow Spot (NSP)**
- GREEN**  **Spot (SP)**
- YELLOW**  **Medium Flood (MFL)**
- BLUE**  **Wide Flood (WFL)**

Set adjust-e-lume™ Dial to desired output



Distance from lamp	Narrow Spot	Adjust-e-Lume™ Setting									
		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'		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'	0'	2'	4'					

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

Distance from lamp	Spot	Adjust-e-Lume™ Setting								
		1	2	3	4	5	6	7	8	9
20'		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'		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
		8'	6'	4'	2'	0'	2'	4'	6'	8'

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

Distance from lamp	Medium Flood	Adjust-e-Lume™ Setting										
		1	2	3	4	5	6	7	8	9		
20'		1.0	1.2	1.9	2.4	2.9	3.4	3.5	3.6	3.7		
16'		1.5	1.8	2.9	3.8	4.6	5.3	5.4	5.7	5.8		
12'		2.6	3.3	5.2	6.7	8.1	9.5	9.6	10.1	10.2		
8'		6.0	7.4	11.8	15.0	18.3	21.3	21.6	22.8	23.0		
4'		23.8	29.5	47.0	60.2	73.3	85.1	86.4	91.2	92.2		
		10'	8'	6'	4'	2'	0'	2'	4'	6'	8'	10'

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

Distance from lamp	Wide Flood	Adjust-e-Lume™ Setting														
		1	2	3	4	5	6	7	8	9						
20'		0.4	0.5	0.9	1.1	1.3	1.6	1.7	1.7	1.7						
16'		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'	12'	10'	8'	6'	4'	2'	0'	2'	4'	6'	8'	10'	12'	14'

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

lighting facts

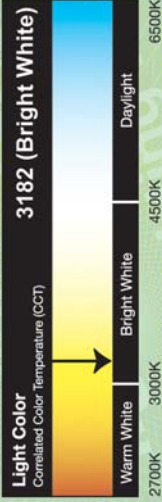
CM
A Program of the U.S. DOE

Light Output (Lumens)
Watts
Lumens per Watt (Efficacy)

253
8.2
30

Color Accuracy
Color Rendering Index (CRI)

83



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) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: GCXV-WRRN7E
Model Number: SN-LED-e22-SP-12-C
Type: Other

lighting facts

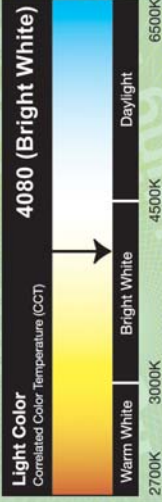
CM
A Program of the U.S. DOE

Light Output (Lumens)
Watts
Lumens per Watt (Efficacy)

354
8.1
43

Color Accuracy
Color Rendering Index (CRI)

68



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Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: GCXV-KCSWRE
Model Number: SN-LED-e23-SP-12-C
Type: Surface-mounted fixture (other)

lighting facts

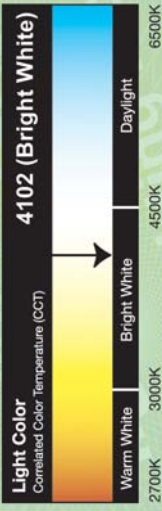
CM
A Program of the U.S. DOE

Light Output (Lumens)
Watts
Lumens per Watt (Efficacy)

365
8.2
44

Color Accuracy
Color Rendering Index (CRI)

68



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) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: GCXV-PNVP1B
Model Number: SN-LED-e23-NSP-12-C
Type: Surface-mounted fixture (other)

lighting facts

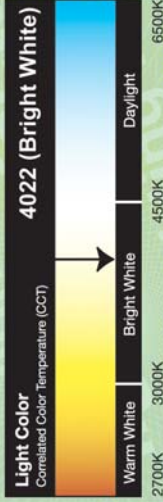
CM
A Program of the U.S. DOE

Light Output (Lumens)
Watts
Lumens per Watt (Efficacy)

299
8.5
35

Color Accuracy
Color Rendering Index (CRI)

66



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Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: GCXV-YMSK1B
Model Number: SN-LED-e23-MFL-13-C
Type: Surface-mounted fixture (other)

lighting facts

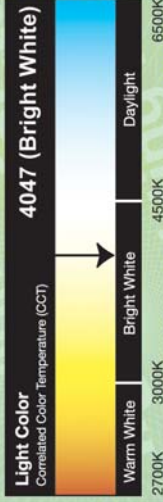
CM
A Program of the U.S. DOE

Light Output (Lumens)
Watts
Lumens per Watt (Efficacy)

346
8.2
42

Color Accuracy
Color Rendering Index (CRI)

68



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) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: GCXV-N7PELT
Model Number: SN-LED-e23-MFL-12-C
Type: Surface-mounted fixture (other)

lighting facts

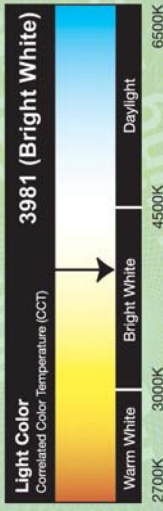
CM
A Program of the U.S. DOE

Light Output (Lumens)
Watts
Lumens per Watt (Efficacy)

345
8.3
41

Color Accuracy
Color Rendering Index (CRI)

67



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) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: GCXV-TWK83Q
Model Number: SN-LED-e23-WFL-12-C
Type: Surface-mounted fixture (other)