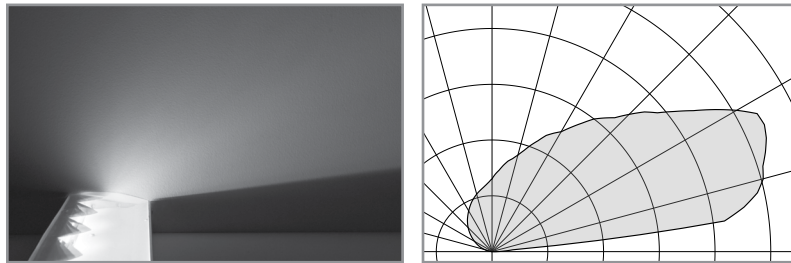


# HCB22A | Swell

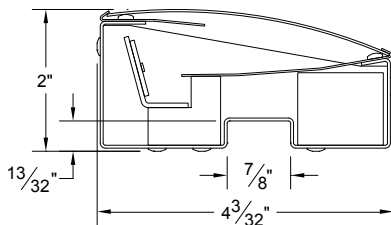
Asymmetric LED luminaire for use in manufactured cove systems, illuminated by BIOS®



Project: \_\_\_\_\_ Type: \_\_\_\_\_



## SECTION



## PERFORMANCE

NOMINAL LENGTH	OUTPUT	LUMENS/ft.	WATTS/ft.	LUMINAIRE LUMENS	EFFICACY (LPW)
4'	R: regular	585	8.2	2162	72
	H: high	780	11.3	2883	70

Note: All data reflects fixture with BIOS Static Spectrum 3500K LEDs

## HCB22A -

<b>FIXTURE LENGTH</b> 22: 22-1/4" 33: 33-1/4" 44: 44-1/4" 55: 55-1/4"	<b>CORRELATED COLOR TEMPERATURE</b> <b>[BIOS static]</b> BS30: 3000K BS35: 3500K BS40: 4000K <b>[BIOS dynamic]</b> BD30: 2700K-3000K BD35: 2700K-3500K BD40: 2700K-4000K	<b>DRIVER</b> ND: non-dimming <b>[Dimming]</b> D: 0-10V, 1%	<b>LIGHT OUTPUT</b> (lumens per foot) R: regular – 585 H: high – 780 CF: consult factory for custom output	<b>OPTIONS</b> ED: emergency driver (4' non-dim or 0-10V only)
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## FEATURES

The Swell Series HCB22A is a shallow profile asymmetric LED cove luminaire, designed to integrate with a manufactured cove system and tailored for health-centric lighting installations. The heavy gauge, sheet formed housing is fitted with a primary and saw-tooth reflector to produce a smooth, uniform gradient light across the ceiling plane. A clear dust cover shields the reflector system and LED modules.

The HCB22A fixture is embedded with BIOS SkyBlue® circadian solutions to produce the healthy “blue sky” light signal needed to stimulate human circadian biology. This specific light wavelength communicates directly with human biology through a non-visual photoreceptor to regulate circadian rhythms, providing healthier sleep patterns and ultimately, better health.

## SPECIFICATIONS

Fixture housing constructed of formed and riveted, pre-painted 20 gauge aluminum and heavy gauge steel sheet end caps

The fixture housing is proportioned and formed to integrate with a manufactured cove system (consult factory for compatibility details)

The multi-reflector optic system is formed from aluminum with finishes of up to 96% reflectance

Includes a clear acrylic dust cover

Available in nominal lengths of 2', 3', 4' and 5'

Fixtures provided with 18 ga. wiring harness for 6 Amp maximum load (consult factory for runs requiring multiple circuits, sensor integration, etc.)

Standard integral 120V-277V driver offered with 0-10V dimming or non-dim

Integral 120-277V emergency battery backup available for 4' nominal non-dim or 0-10V (consult factory for all other lengths/drivers)

Standard outputs are 585 or 780 lumens per foot

BIOS LEDs have 80+ CRI, R9 90+ and are available in static 3000K, 3500K, 4000K and two dynamic options in 2700-3000K, 2700-3500K and 2700-4000K

A supplemental optic blending film is provided for fixtures that terminate at a perpendicular wall

Life: 50,000 hours L<sub>70</sub>

UL and C-UL listed for dry and damp locations

Limited five year warranty



## CORRELATED COLOR TEMPERATURE

Consult factory for specifics when using dimming protocols other than 0-10V.  
For additional information about BIOS LED modules, visit [www.bartcolighting.com/series/swell](http://www.bartcolighting.com/series/swell)

ORDERING CODE	MODULE TYPE	LIGHT EFFECT	CONTROL METHOD	
BS30 BS35 BS40	BIOS Static	<ul style="list-style-type: none"> <li>Static color temperature</li> <li>490nm SkyBlue® LED is always on</li> </ul>	<ul style="list-style-type: none"> <li>Non-dimming or 0-10V</li> <li>No BIO-Dimming module required</li> </ul>	
BD30 BD35 BD40	BIOS Dynamic	<ul style="list-style-type: none"> <li>490nm SkyBlue® LED can be BIO dimmed out with most driver/dimmer combinations</li> <li>490nm SkyBlue® wavelengths removed through first 20% of dimming range, followed by a CCT transition to 2700K</li> </ul>	<ul style="list-style-type: none"> <li>0-10V</li> <li>Includes integral Bio-Dimming module</li> </ul>	
BDTW30 BDTW35 BDTW40	BIOS Dynamic Tunable White	<ul style="list-style-type: none"> <li>CCT and Light output can be controlled separately with appropriate driver</li> <li>3000K, 3500K and 4100K modules all transition to 2700K when dimmed.</li> </ul>	<ul style="list-style-type: none"> <li>0-10V two-channel driver</li> <li>No BIO-Dimming module required</li> </ul>	

## OPTIONS

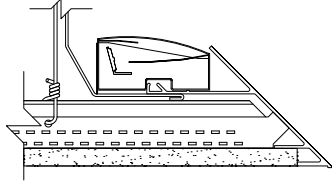
	ORDERING CODE	DESCRIPTION	SPECIFICATIONS
	ED	EMERGENCY LED DRIVER	<ul style="list-style-type: none"> <li>Universal 120-277V input voltage emergency driver delivers initial minimum power of 10W for 90 minutes</li> <li>Available for 4' nominal length non-dim or 0-10V fixture only (consult factory for all other lengths/drivers)</li> <li>Provided with combination test switch/indicator light for remote mount installation</li> </ul>

# HCB22A | Swell

Asymmetric LED luminaire for use in manufactured cove systems, Illuminated by BIOS®

## MOUNTING

### DESCRIPTION



Use appropriate fastener through  $\text{Ø}3/16''$  holes in housing  
Fixture housing engages with an aligning feature within the cove system.

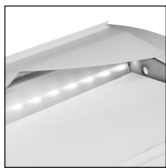
NOTE: A minimum distance of 10" is suggested from the top of the fixture to the ceiling surface for best blending of light

## ACCESSORY

### ORDERING CODE

### DESCRIPTION

### SPECIFICATIONS



HCB22-DF

End of run  
diffusion film

- 8" long piece of diffusion film blends and softens the light distribution on the end wall surfaces