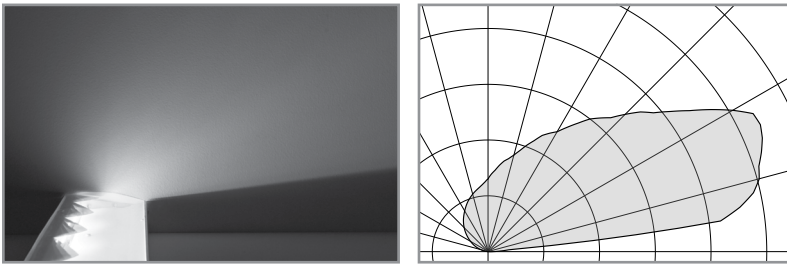


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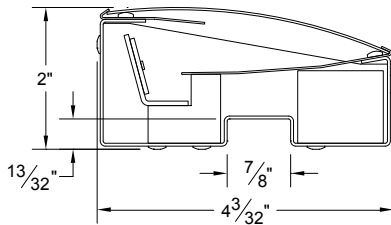
Asymmetric LED luminaire for use in manufactured cove systems, illuminated by BIOS®



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 -

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

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 L₇₀

UL and C-UL listed for dry and damp locations

Limited five year warranty



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

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

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

OPTIONS

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

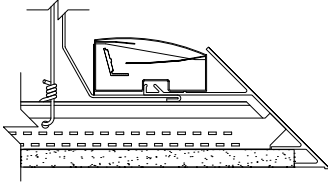


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MOUNTING

DESCRIPTION



Use appropriate fastener through Ø3/16" holes in housing
Fixture housing engages with an aligning feature within the cove system.

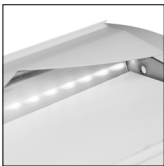
NOTE: A minimum distance of 10" is suggested from the top of the fixture to the ceiling surface for best blending of light

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