**HCB01**

Rectilinear LED luminaire with flush lens illuminated by BIOS®

**FEATURES**

The HCB01 is a linear LED luminaire tailored for health-centric lighting installations. The 2” wide by 3” tall extrusion is fitted with a flush, frosted lens and machined aluminum end caps.

The HBC01 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 constructed of an extruded aluminum housing, extruded, frosted acrylic lens and machined aluminum end caps**
- **Model variations offered for surface, wall mount and cable suspended applications**
- **Standard finishes as shown below**
- **Available in nominal lengths of 2’, 4’, 6’ and 8’ single fixtures and continuous runs**
- **Basic continuous run fixtures provided with 18 ga. wiring harness for 6 Amp maximum load (consult factory for runs requiring multiple circuits, sensor integration, etc.)**
- **Standard integral 120-277V driver offered with 0-10V dimming or non-dim**
- **Integral 120-277V emergency battery backup available for 4’ or 8’ nominal non-dim or 0-10V (consult factory for all other lengths/drivers)**
- **Standard light outputs are 590 and 780 lumens per foot**
- **BIOS Static Spectrum or Dynamic LEDs available in 3000K, 3500K and 4000K, with a CRI of 80+ to 90 depending on color**
- **Life: 50,000 hours L70**
- **Limited five year warranty**
- **UL and C-UL listed for dry and damp locations**

**PERFORMANCE**

<table>
<thead>
<tr>
<th>NOMINAL LENGTH</th>
<th>OUTPUT</th>
<th>LUMENS/ft.</th>
<th>WATTS/ft.</th>
<th>LUMINAIRE LUMENS</th>
<th>EFFICACY (LPW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4’</td>
<td>R: regular</td>
<td>590</td>
<td>9.7</td>
<td>2201</td>
<td>61</td>
</tr>
<tr>
<td></td>
<td>H: high</td>
<td>780</td>
<td>13.6</td>
<td>2908</td>
<td>58</td>
</tr>
</tbody>
</table>

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

**HCB01 -**

**NOMINAL FIXTURE LENGTH**

- 2: 22-5/8”
- 4: 44-5/8”
- 6: 66-5/8”
- 8: 88-5/8”

**CORRELATED COLOR TEMPERATURE**

- BIOS static:
  - BS30: 3000K-85 CRI
  - BS35: 3500K-85 CRI
  - BS40: 4000K-90 CRI
- BIOS dynamic:
  - BD30: 3000K-83 CRI
  - BD35: 3500K-83 CRI
  - BD40: 4000K-83 CRI

**DRIVER**

- ND: non-dimming
- Dimming

**LIGHT OUTPUT**

- (lumens per foot)
  - R: regular – 590
  - H: high – 780
  - CF: consult factory for custom output

**MOUNT**

- SM: surface mount
- WD: wall mount - direct
- WI: wall mount - indirect
- C4: cable mount 4’ cable length
- CB: cable mount 8’ cable length

**RUN CONFIGURATION**

- SN: single
- ST: starter
- AD: adder
- TR: terminator

**OPTIONS**

- ED: emergency driver (4’ or 8’ non-dim or 0-10V only)
- S1: occ sensor pos. 1 (see options section)
- L: louvre (4’ and 8’ ONLY)

**FINISH**

- AW: architectural white (semi-matte)
- WH: white (semi-gloss)
- BL: black (semi-matte)
- MB: matte black
- ESS: environmental satin silver
- BZ: bronze
- PR: primer
- CF: consult factory for custom finish
- SA: satin anodize (may require additional lead time)

©2019 Bartco Lighting, Inc. These products are protected by patents and patents pending. Unauthorized use or reproduction of illustrations, photographs or text is prohibited. Bartco Lighting reserves the right to discontinue products or to change the technical and/or design specifications at any time. SkyBlue, BIOS, Illuminated By BIOS are registered trademarks of Biological Innovations and Optimization Systems, LLC.
### MOUNTING

<table>
<thead>
<tr>
<th>ORDERING CODE</th>
<th>DESCRIPTION</th>
<th>SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM</td>
<td>SURFACE MOUNT</td>
<td>Use appropriate fastener through Ø3/16&quot; holes in housing</td>
</tr>
</tbody>
</table>
| WD            | WALL MOUNT – DIRECT ORIENTATION | Mounting option includes:  
  - 1-7/8" H x 2-1/2" W aluminum bracket projects the fixture housing 3/4" from the wall surface |
| WI            | WALL MOUNT – INDIRECT ORIENTATION | Mounting option includes:  
  - 1-7/8" H x 2-1/2" W aluminum bracket projects the fixture housing 3/4" from the wall surface |
| C4 and C8     | CABLE MOUNT | Mounting option includes:  
  - Ø 1/16" x 48" (C4) or 96" (C8) aircraft cables  
  - 60" (C4) or 108" (C8) power cable (in coordinating finish)  
  - Bracket bars  
  - Ø 5" white canopies  
  - Ceiling couplers  
  - Side exit cable grippers |

### OPTIONS

<table>
<thead>
<tr>
<th>ORDERING CODE</th>
<th>DESCRIPTION</th>
<th>SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED</td>
<td>EMERGENCY LED DRIVER</td>
<td></td>
</tr>
</tbody>
</table>
  - Universal 120-277V input voltage emergency driver delivers initial minimum power of 10W for 90 minutes  
  - Available for 4' or 8' nominal length non-dim or 0-10V fixture only (consult factory for all other lengths/drivers)  
  - Indicator/test switch located on the top for C4/C8 mount and on the side at an end for SM mount |
| S1            | OCCUPANCY SENSOR - POSITION 1 | Passive infrared occupancy sensor with hold-off daylighting adjustment (10-120 foot candles) and time delay adjustment from 30 seconds to 30 minutes  
  - Light aperture length reduced by 4"  
  - Sensor located on underside at an end |
| L             | LOUVER | Parabolic louver with 5/8" blades at 1" spacing, formed from diffuse, high reflectance aluminum and supplied with light diffusion film |