

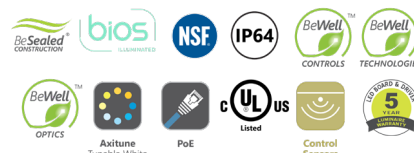
**Silver Winner**  
**GRANDS PRIX**  
**DU DESIGN**

**Type** \_\_\_\_\_

## Notes

- Designed with comfortable BeWell Optics providing ambient lighting and wall glow
- White CCT 2700K - 4000K or Tunable White 2700K - 5000K
- Amber nightlight option to aid navigation
- Detachable backplate for quick-disconnect and room-side access to driver
- Horizontal or vertical orientation, surface mounting in multiple lengths
- Shallow depth - 2" - exceeds ADA compliance
- BIOS and tunable white available in select sizes
- UL Listed IP64 for both indoor and outdoor applications
- Number of circuits corresponds to number of functions; i.e., for ambient, one circuit is standard; if night light is selected, two circuits are standard (not selectable options)

\*See performance chart on page 4.



## Ordering Guide

**\*Patent pending**

| BCSB       |            |  |       |                      |            |                           |          |   |                               |
|------------|------------|--|-------|----------------------|------------|---------------------------|----------|---|-------------------------------|
| PRODUCT ID |            | NOMINAL LENGTH                               |       | MOUNTING ORIENTATION |            | CRI                       |          | COLOR TEMP.   |                               |
| BCSB       | Sconce box | 12"  | 12"   | H                    | horizontal | 80                        | 80 CRI   | 27  | 2700 K                        |
|            |            | 18"  | 18" * | V                    | vertical   | 90                        | 90 CRI * | 30  | 3000 K                        |
|            |            | 24"  | 24"   |                      |            |                           |          | 35  | 3500 K                        |
|            |            | 36"  | 36"   |                      |            |                           |          | 40  | 4000 K                        |
|            |            |  |       |                      |            |                           |          | B30   | 3000 K - BIOS*                |
|            |            |  |       |                      |            |                           |          | B35   | 3500 K - BIOS*                |
|            |            |  |       |                      |            |                           |          | B40   | 4000 K - BIOS*                |
|            |            |  |       |                      |            |                           |          | TW2750  | 2700-5000 K - Tunable White** |
|            |            | * Not available with BIOS and Tunable White. |       |                      |            | * Not available with BIOS |          | *Consult BIOS guide for more information on BIOS technology. Only available with 80 CRI.<br>Not available for 18" length<br>** Consult factory for Tunable White. <a href="#">Consult Axitone technical sheet for more information on color technology.</a> |                               |

| FINISH                    |                              | VOLTAGE   |               | DRIVER  |  | EMERGENCY (OPT.)  |  | NIGHTLIGHT (OPT.)  |                  |
|---------------------------|------------------------------|---|---------------|---|--|---|--|--|------------------|
| AMW                       | antimicrobial white          | 120   | 120 V         | DP dimming (0-10V) 1%   |  | GTD(#)<br>generator transfer device*<br><br>+ E(#)<br>emergency section |  | NTLA   | amber nightlight |
| AMA                       | antimicrobial aluminum paint | 277   | 277 V         | LT Lutron (remote)  |  |   |  |  |                  |
| C                         | custom*                      | 347   | 347 V*        | BI bi-level dimming (remote)  |  |   |  |  |                  |
|                           |                              | UNV   | universal     | O(#) other (remote)**   |  |   |  |  |                  |
|                           |                              | DC  | low voltage** | DPB(#) dimming (0-10V) 1% with Bios*  |  |   |  |  |                  |
|                           |                              |   |               | TW(#) tunable white drivers (remote)*   |  |   |  |  |                  |
|                           |                              |   |               | POE(#) POE drivers (remote)*  |  |   |  |  |                  |
| * Consult factory for NSF |                              | * With remote driver only.<br>** Only available with POE drivers. |               | Consult factory for Tunable White<br>* See page 2 to specify system<br>** Please consult factory; see page 2. |  | * Consult factory. Remote.  |  | Available only in vertical mounting position.<br>When Nightlight is selected a 2nd circuit is standard |                  |

| LV CONTROLLER (OPT.)   |  | BATTERY (OPTIONAL)      |                       |
|--|--|-------------------------|-----------------------|
| <b>LVC1</b>  | low voltage controller (Mode 1)            | <b>BR(#)</b>            | battery pack (remote) |
| <b>LVC2</b>  | low voltage controller (Mode 2)            |                         |                       |
| <b>LVC3</b>  | low voltage controller (Mode 3 step dim)   |                         |                       |
| <b>LVC4</b>  | low voltage controller (Mode 3 smooth dim) |                         |                       |
| Available with DP driver single CCT options only<br>Controllers are remote only.<br>Remote enclosure by others.<br>SEE WIRING DIAGRAMS ON PAGE 3-4 |  | Not available with 347V |                       |

### ● LIGHT GUIDE

High precision light guide made of PMMA material, allows distribution of controlled light in all 3-dimensions to put light on both vertical and horizontal planes within the space. Patented lightguide design featuring molecular optics and precision-coupled optic components yield a high efficiency luminaire.

### ● ELECTRICAL

|  |  |
|--|--|
| <b>Lutron driver (remote only)</b>   | LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black<br>*Consult factory  |
| <b>Other drivers** (remote only)</b>   | DALI - Digital Addressable Lighting Interface<br>DMX - Digital Multiplex<br>Xitanium SR - For wireless sensor  |
| <b>BIOS DPB drivers*</b>   | STC - BIOS control 0-10V with static spectrum and BIOS SkyBlue enabled from 100% to 1%.<br>DCA - DynamicCare™ for Axis; BIOS control 0-10V with dynamic spectrum and BIOS SkyBlue with Bio-Dimming™, which changes spectral qualities by removing the SkyBlue component when dimming from 100% to 51%, while light output remains relatively constant; CCT will decrease approximately 500K through bio-dimming; dimming from 50% to 1% will then reduce light output. |
| <b>Tunable White TW drivers* (remote only)</b>   | DALIDT6 - DALI Type 6 (Two DALI Addresses)<br>DALIDT8 - DALI Type 8 (One DALI Address)   |
| <b>Power over Ethernet POE drivers* (remote, consult factory for more information)</b> | MOLEX<br>IGOR<br>SMARTENGINE<br>O - Other (Consult factory)  |
| <b>Emergency (remote only) Consult factory</b>   | Remote emergency battery pack or emergency circuit optional.   |
| <b>Input Voltage</b>   | 120V, 277V, 347V (Remote driver only), UNV, DC.  |

\*Choose driver from available options.

**i** Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

### ● OPTICS



#### BeWell™ Optics

Axis' BeWell™ light guide technology provides the visually comfortable distribution required in healthcare environments.

### ● WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at [axislighting.com](http://axislighting.com).

### ● LED SYSTEM

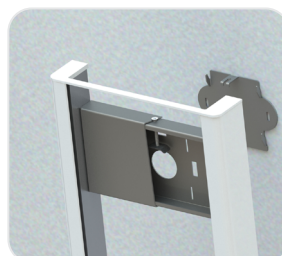
|                            |   |
|----------------------------|---|
| <b>CRI</b>                 | Minimum 80 or 90 color rendering index options.   |
| <b>CRI BIOS</b>            | Minimum 80 color rendering index with R9>75 for all CCTs.   |
| <b>CCT Single Color</b>    | Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.   |
| <b>CCT BIOS</b>            | BIOS Static (STC) Choice of 3000K, 3500K and 4000K.<br>BIOS SkyBlue® DynamicCare™ for Axis (DCA) Choice of 3000K, 3500K, and 4000K with Bio-Dimming™ which then reduces by 500K.<br><a href="#">Consult BIOS guide for more information on BIOS technology.</a>   |
| <b>CCT Axitune Systems</b> | <a href="#">Consult Axitune technical sheet for more information on color technology.</a>   |
| <b>LED life</b>            | Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.   |
| <b>Thermal Management</b>  | Aluminum housing acting as the heat sink to maximize life.  |
| <b>Environment</b>         | For all line voltage drivers, dry and damp rated for indoor use only in ambient operating temperature of -20° to +40°C (-4° to +104°F)<br>For POE driver option, dry and damp rated for indoor use only in ambient operating temperature of 0° to +40°C (+32° to +104°F)<br>Consult factory for temperature outside this range. |

### ● CONSTRUCTION

|                    |                                    |
|--------------------|------------------------------------|
| <b>Housing</b>     | Extruded aluminum (0.075" nominal) |
| <b>End Cap</b>     | Die cast aluminum (0.10" nominal)  |
| <b>Top Covers</b>  | Extruded aluminum                  |
| <b>Smooth Lens</b> | Uniform acrylic lens               |

**i** Specification sheets for wall mounted Sconce luminaires are available at: [www.axislighting.com](http://www.axislighting.com) under 'Downloads' tab.

### ● MOUNTING DETAILS



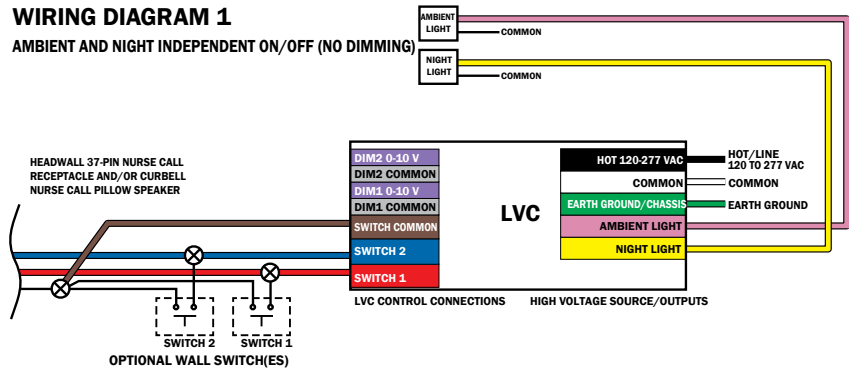
**i** Installation sheets are available at: [www.axislighting.com](http://www.axislighting.com)

● LOW VOLTAGE CONTROLLERS - CONFIGURATIONS

|   |               | MODE #1 (DEFAULT)                                  | MODE #2                                  | MODE #3   |   |
|---|---------------|--|--|---|---|
|   |               | Ambient Light and Night Light Independent (ON/OFF) | Ambient Light and Night Light Sequential | Ambient Light Dimming, Night Light Independent (ON/OFF) |   |
|   |               |  |  | Step Dimming (one direction)                            | Smooth Dimming (two direction)  |
| Toggling Switch 1<br>(Pillow Speakers, wall switch) affects Ambient Light as follows: | First Toggle  | Ambient ON   | Ambient ON, Night Light OFF              | Ambient ON, Full brightness                             | First toggle: Ambient ON, dim level set to Approx. 100% brightness<br><br>Subsequent sustained presses: smooth dimming*<br><br>Second toggle: Ambient OFF |
|   | Second Toggle | Ambient OFF  | Ambient OFF, Night Light ON              | Ambient ON, Approx. 60% (4 VDC) brightness              |   |
|   | Third Toggle  | -  | Ambient ON, Night Light ON               | Ambient ON, Approx. 30% (1.37 VDC) brightness           |   |
|   | Fourth Toggle | -  | Ambient OFF, Night Light OFF             | Ambient ON, Approx. 10% (0.8 VDC) brightness            |   |
|   | Fifth Toggle  | -  | -  | Ambient OFF   |   |
| Toggling Switch 2<br>(Pillow Speakers, wall switch) affects Night Light as follows:   | First Toggle  | Night Light ON                                     | -  | Night light ON  | Night light ON  |
|   | Second Toggle | Night Light OFF                                    | -  | Night light OFF   | Night light OFF   |
|   | Third Toggle  | -  | -  | -   | -   |
|   | Fourth Toggle | -  | -  | -   | -   |
|   | Fifth Toggle  | -  | -  | -   | -   |

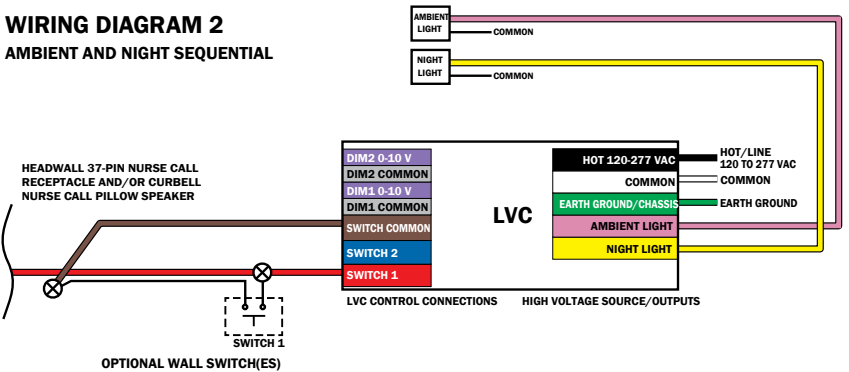
● LOW VOLTAGE CONTROLLERS WIRING DIAGRAMS

WIRING DIAGRAM 1  
AMBIENT AND NIGHT INDEPENDENT ON/OFF (NO DIMMING)



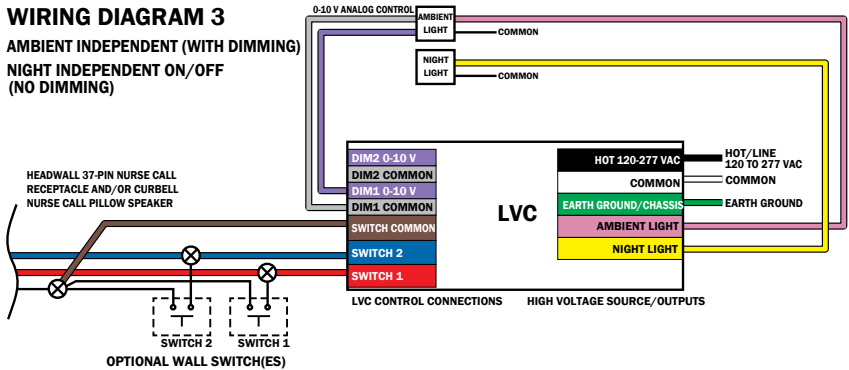
1. LVC Mode 1 (independent ON/OFF no dimming) DEFAULT mode

WIRING DIAGRAM 2  
AMBIENT AND NIGHT SEQUENTIAL



2. LVC mode 2 (sequential ON/OFF no dimming)

WIRING DIAGRAM 3  
AMBIENT INDEPENDENT (WITH DIMMING)  
NIGHT INDEPENDENT ON/OFF (NO DIMMING)



3. LVCD Mode 3 step dimming (Ambient Light-dimming, Night Light ON/OFF)  
4. LVCD Mode 3 smooth dimming (Ambient dimming, Night Light ON/OFF)

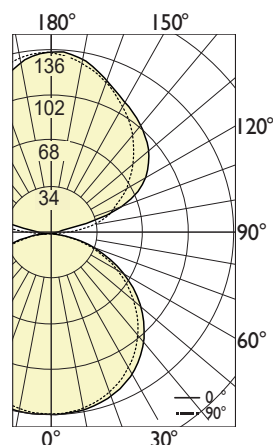
### PERFORMANCE AT 3500K

| WIDTH | NOMINAL LUMEN OUTPUT | INPUT WATTS* | EFFICACY | Estd. L85 LED Life (hrs.) |
|-------|----------------------|--------------|----------|---------------------------|
| 10"   | 830 lm               | 11.49 W      | 72 lm/W  | 50000, min                |

\* Based on a 10 inch luminaire using one driver  
Please consult factory for custom lumen output and wattage.

### ● PHOTOMETRIC DATA

#### PHOTOMETRIC CURVE



**Luminaire Lumens: 830 lm**  
**Input Watts: 11.49 W**  
**Efficacy: 72 lm/W**

IES FILE: BCSB-1000-80-35-FL-12x10-W-UNV-D-1.ies

TESTED ACCORDING TO IES LM-79-2008

#### CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |     |      |     |
|----------------|-------------------|------|-----|------|-----|
|                | 0                 | 22.5 | 45  | 67.5 | 90  |
| 0              | 135               | 135  | 135 | 135  | 135 |
| 5              | 135               | 135  | 135 | 135  | 134 |
| 15             | 133               | 133  | 132 | 132  | 131 |
| 25             | 128               | 127  | 126 | 124  | 123 |
| 35             | 117               | 117  | 115 | 113  | 111 |
| 45             | 102               | 101  | 99  | 96   | 95  |
| 55             | 81                | 81   | 79  | 76   | 75  |
| 65             | 57                | 57   | 56  | 54   | 53  |
| 75             | 31                | 31   | 31  | 29   | 29  |
| 85             | 9                 | 9    | 8   | 8    | 7   |
| 90             | 1                 | 2    | 4   | 4    | 2   |
| 95             | 3                 | 8    | 15  | 18   | 19  |
| 105            | 30                | 32   | 37  | 42   | 44  |
| 115            | 74                | 64   | 56  | 58   | 59  |
| 125            | 92                | 85   | 76  | 74   | 75  |
| 135            | 103               | 98   | 93  | 90   | 91  |
| 145            | 111               | 107  | 105 | 104  | 105 |
| 155            | 118               | 117  | 116 | 117  | 117 |
| 165            | 129               | 128  | 128 | 128  | 127 |
| 175            | 136               | 135  | 135 | 134  | 133 |
| 180            | 135               | 135  | 135 | 135  | 135 |

#### ZONAL LUMENS

| Zone    | Lumens |
|---------|--------|
| 0       |        |
| 0-10    | 13     |
| 10-20   | 37     |
| 20-30   | 57     |
| 30-40   | 71     |
| 40-50   | 74     |
| 50-60   | 68     |
| 60-70   | 52     |
| 70-80   | 29     |
| 80-90   | 8      |
| 90-100  | 14     |
| 100-110 | 39     |
| 110-120 | 59     |
| 120-130 | 70     |
| 130-140 | 71     |
| 140-150 | 65     |
| 150-160 | 53     |
| 160-170 | 36     |
| 170-180 | 13     |
| 180     | 0      |

#### LUMINANCE DATA (cd/m<sup>2</sup>)

| Vertical Angle | Horizontal Angles |      |      |
|----------------|-------------------|------|------|
|                | 0                 | 45   | 90   |
| 45             | 2355              | 2295 | 2200 |
| 55             | 2318              | 2250 | 2144 |
| 65             | 2208              | 2151 | 2033 |
| 75             | 1986              | 1930 | 1806 |
| 85             | 1635              | 1549 | 1363 |