

# HBEAM 3.5

## HB3.5 | SUSPENDED, WALL

### STANDARD SIZES

3.5" Aperture  
Configurable in linear shapes and straight run sections

### LAMPING

LED - Direct & Indirect - 80/90 CRI - 3000K/3500K/4000K  
Output Options: LOW/MED/HI/DECOR/Tunable White/RGB/RGB+W  
Dimming down to 0%  
Accent Downlights Available (800/1000/1500LM Output Options)

### FINISH

Anodized Aluminum, White, Black, Silver, Brass, RAL Classic Colors

### CONSTRUCTION

Industrial Strength Extruded 6061 Aluminum





# PRODUCT SUBMITTAL WORKSHEET

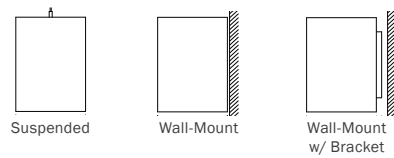
## SAMPLE PRODUCT CODE

**HB3.5S – S5 – MED/90/3500 – 0/10V/0% – EXT/F – MED/90/3500 – 0/10V/S – WD – DL1000/80/3500/25 – HEXSNT – 0/10V/S – 1 – WH –**

**UNV – EMB/1 – OS/1 – COMBO – SB**

### 1. BASE MODEL (CHOOSE ONE)

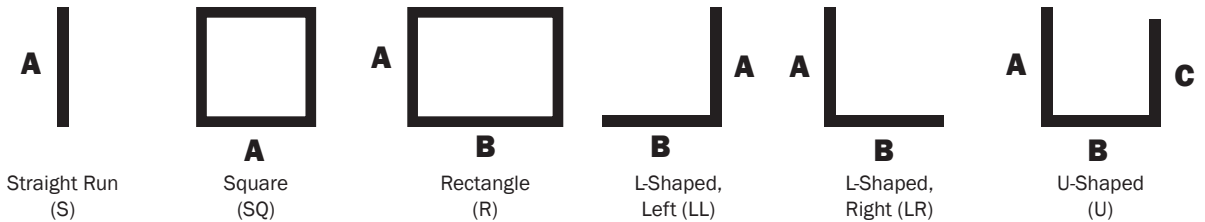
- HB3.5S** QS 3.5" Suspended
- HB3.5W** QS 3.5" Wall-Mount (incl. optional 1/4" stand-off brackets)



### 2. SHAPE/LENGTH (CHOOSE ONE & ENTER LENGTH IN FEET – FOR CUSTOM ANGLES, CONTACT ALW)

- S\_\_** QS Individual/Straight Run Section (enter length, ex. S5)
- SQ\_\_** QS Square Configuration (enter side length A, ex: SQ5)
- R\_ \_** QS Rectangular Configuration (enter side lengths A and B, ex. R5-7)
- LL\_ \_** QS L-Shaped, Left Configuration (enter side lengths A and B, ex. LL5-7)
- LR\_ \_** QS L-Shaped, Right Configuration (enter side lengths A and B, ex. LR5-7)
- U\_ \_ \_** QS U-Shaped Configuration (enter side lengths A, B, and C, ex. U5-7-4)

\*Lengths are nominal and may vary based on lamping and other specification selections. Consult ALW when exact lengths are required.



### 3. LED LAMPING – DIRECT (CHOOSE NONE OR ONE UNDER A, B, & C, AS NECESSARY)

- N** QS None. Select when direct lamping is not desired.

#### A. OUTPUT

- QS **LOW**
- QS **MED**
- QS **HI<sup>1</sup>**
- QS **DECOR**
- QS **TUNE**
- RGB**
- RGBW** (80CRI, 4000K White)

#### B. CRI<sup>2</sup>

- QS **80**
- 90**

#### C. CCT<sup>3</sup>

- QS **3000K**
- QS **3500K**
- QS **4000K**

DELIVERED LUMENS (LM/FT)	WATTS (W/FT)	EFFICACY (LM/W)
See page 7 for complete details.		Up to 81 lm/W

<sup>1</sup>Cannot select HI for both Direct & Indirect lamping due to heat limitations. Other combinations (e.g. HI/MED and HI/LOW) are available.

<sup>2</sup>CRI not applicable for DECOR, TUNE, RGB, or RGBW lamping.

<sup>3</sup>CCT not applicable for TUNE, RGB, or RGBW lamping.

QS = QuickShip-qualifying option. For the entire luminaire configuration to be QuickShip-eligible, ALL options specified in the configuration must be ones notated with "QS". NOTE: Maximum 800 ft. of QuickShip-eligible product per order.

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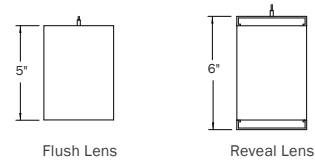
**4. DRIVER – DIRECT** (CHOOSE ONE)

- N** QS None. Select when direct lamping is not desired.
- 0/10V/S** QS 0-10V dimming down to 5% (Standard Dimming – Down to 10% for DECOR and TUNE lamping)
- 0/10V/1%** QS 0-10V dimming down to 1%
- 0/10V/0%** 0-10V premium dimming down to 0%
- DALI** DALI flicker-free dimming down to 0%
- DMX** DMX flicker-free dimming down to 0% (Select for RGB or RGBW lamping)
- ECOSYS1** QS Lutron Hi-lume 1% EcoSystem, constant current or constant voltage
- ECOSYS5** Lutron 5-Series 5% EcoSystem, constant current (Compatible only with LOW, MED, and HI lamping)

\*Driver specifications provided upon request to assist with control system integration.

**5. LENS – DIRECT** (CHOOSE ONE)

- N** QS None. Select when direct lamping is not desired.
- EXT/F** QS Extra diffuse, flush
- EXT/R** QS Extra diffuse, reveal
- EXT/ASY/LED** QS Extra diffuse with asymmetric distribution, flush



**6. LED LAMPING – INDIRECT** (CHOOSE NONE OR ONE UNDER A, B, & C, AS NECESSARY)

- N** QS None. Select when indirect lamping is not desired

**A. OUTPUT**

- QS LOW**
- QS MED**
- QS HI\***
- QS DECOR**
- QS TUNE**
- RGB**
- RGBW** (80CRI, 4000K White)

**B. CRI<sup>5</sup>**

- QS 80**
- 90**

**C. CCT<sup>6</sup>**

- QS 3000K**
- QS 3500K**
- QS 4000K**

DELIVERED LUMENS (LM/FT)	WATTS (W/FT)	EFFICACY (LM/W)
See page 7 for complete details.		Up to 81 lm/W

\*Cannot select HI for both Direct & Indirect lamping due to heat limitations. Other combinations (e.g. HI/MED and HI/LOW) are available.

<sup>5</sup>CRI not applicable for DECOR, TUNE, RGB, or RGBW lamping.

<sup>6</sup>CCT not applicable for TUNE, RGB, or RGBW lamping.

**7. DRIVER – INDIRECT** (CHOOSE ONE)

- N** QS None. Select when indirect lamping is not desired.
- 0/10V/S** QS 0-10V dimming down to 5% (Standard Dimming – Down to 10% for DECOR and TUNE)
- 0/10V/1%** QS 0-10V dimming down to 1%
- 0/10V/0%** 0-10V premium dimming down to 0%
- DALI** DALI flicker-free dimming down to 0%
- DMX** DMX flicker-free dimming down to 0% (Select for RGB or RGBW lamping)
- ECOSYS1** QS Lutron Hi-lume 1% EcoSystem, constant current or constant voltage
- ECOSYS5** Lutron 5-Series 5% EcoSystem, constant current (Compatible only with LOW, MED, or HI lamping)

\*Driver specifications provided upon request to assist with control system integration.

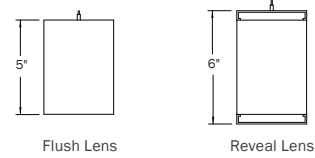
QS = QuickShip-qualifying option. For the entire luminaire configuration to be QuickShip-eligible, ALL options specified in the configuration must be ones notated with "QS". NOTE: Maximum 800 ft. of QuickShip-eligible product per order.

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**8. LENS – INDIRECT** (CHOOSE ONE)

- N** QS None. *Select when indirect lighting is not desired.*
- EXT/F** QS Extra diffuse, flush
- EXT/R** QS Extra diffuse, reveal
- WD** QS Frosted (*LEDs may be visible when dimmed*)



**9. ACCENT – DOWNLIGHT** (CHOOSE NONE OR ONE UNDER A, C, & D)

- N** QS None. *Select when accent downlight lighting is not desired.*

- |  |   |                                       |                                    |
|--|---|---------------------------------------|------------------------------------|
| <b>A. SPOT</b>                         | <b>B. CRI</b>                                 | <b>C. CCT</b>                         | <b>D. BEAM SPREAD</b>              |
| <input type="checkbox"/> <b>DL800</b>  | <input checked="" type="checkbox"/> <b>80</b> | <input type="checkbox"/> <b>3000K</b> | <input type="checkbox"/> <b>25</b> |
| <input type="checkbox"/> <b>DL1000</b> |   | <input type="checkbox"/> <b>3500K</b> | <input type="checkbox"/> <b>40</b> |
| <input type="checkbox"/> <b>DL1500</b> |   | <input type="checkbox"/> <b>4000K</b> |                                    |

DELIVERED LUMENS (LM/FT)	WATTS (W/FT)	EFFICACY (LM/W)
See page 7 for complete details.		Up to 167 lm/W

**10. ACCESSORY – ACCENT DOWNLIGHT** (CHOOSE ONE)

- N** QS None
- HEX** QS Hexcell Louver
- SNT** QS Snoot
- HEXSNT** QS Both Hexcell Louver and Snoot



**11. DRIVER – ACCENT DOWNLIGHT** (CHOOSE ONE)

- N** QS None. *Select when Accent Downlight Lighting is not desired.*
- [\_\_\_\_\_]** QS Same as Driver - Direct (or Driver - Indirect, when Direct is NONE)

**12. QUANTITY – ACCENT DOWNLIGHT** (CHOOSE ONE)

- N** QS None
- \_\_\_** QS Enter total quantity of downlights per run length. (*NOTE: Each downlight requires 7.25" of linear length within housing*)

**13. FINISH** (CHOOSE ONE)

- AL** QS Natural Anodized Aluminum (*Standard Finish*)
- BK** QS Black Powder Coat
- BRS** QS Brass Metallic Powder Coat
- SV** QS Silver Powder Coat
- WH** QS White Powder Coat
- WH/AM** QS White Antimicrobial Powder Coat (for healthcare environments)
- RAL\_\_\_\_\_** QS Specify RAL Classic Color code (ex: *RAL3003*) [ralcolorchart.com/ral-classic](http://ralcolorchart.com/ral-classic)

**14. VOLTAGE** (CHOOSE ONE)

- UNV** QS Universal Voltage (120VAC-277VAC)
- 347** QS 347 Volt (*Driver options may be limited*)

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## 15. ADDITIONAL OPTIONS (OPTIONAL — CHOOSE ONE UNDER A & B, AND ANY UNDER C, IF DESIRED)

### A. EMERGENCY OPTIONS

- EMB/\_\_\_<sup>7</sup>**      **QS** Emergency Battery (indicate quantity — each battery powers 4ft with a delivered lumen output of 1088lm)
- EMC/\_\_\_<sup>7</sup>**      **QS** Emergency Circuit (indicate quantity of 4ft sections to be illuminated by emergency circuit)

<sup>7</sup>For fixtures under 4ft in length, entire fixture will be illuminated with a proportional lumen output. Consult ALW for more details.

### B. SENSOR OPTIONS (COMPATIBLE ONLY WITH 0-10V DRIVERS — DEFAULT QUANTITY IS 1 SENSOR PER 8FT, INDICATE ALTERNATE QUANTITY IF DESIRED)

- ENLGH/\_\_\_<sup>8</sup>**      **QS** Enlighted® remote smart sensor (occupancy, daylight, networking, and more)
- ENLGH/INT/\_\_\_<sup>8</sup>**      **QS** Enlighted® integral smart sensor (occupancy, daylight, networking, and more)
- OS/\_\_\_**      0-10V remote occupancy sensor
- PH/\_\_\_**      0-10V remote photocell/daylight sensor

<sup>8</sup>Enlighted® Gateway and Energy Manager (by others) plus programming required. Learn more at [enlightedinc.com](http://enlightedinc.com).

### C. ADDITIONAL OPTIONS (COMPATIBLE ONLY WITH SUSPENDED MOUNT)

- COMBO**      **QS** Combination 4.5" canopy at power feed locations to accommodate both power cord & suspension mount hardware.
- SB**      **QS** Seismic Bracing

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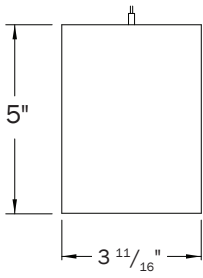
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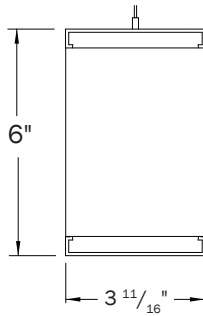
## MECHANICAL DIAGRAMS

### SUSPENDED

Suspended mounting can be specified with direct, indirect, or both direct and indirect lighting.



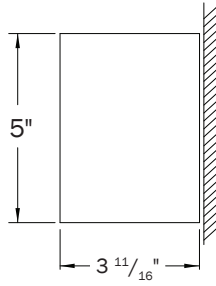
**HB3.5S**  
EXT/F



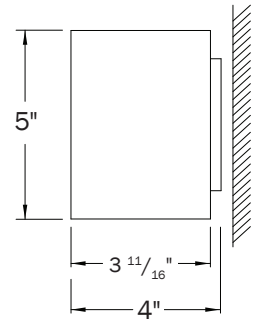
**HB3.5S**  
EXT/R

### WALL MOUNT

Wall mounting can be specified with direct, indirect, or both direct and indirect lighting. The optional wall mount bracket adds 1/4" to the dimensions of the fixture.



**HB3.5W**



**HB3.5W**  
Shown with included,  
optional 1/4" stand-off bracket

## SUSPENSION MOUNTING



### CEILING HARDWARE

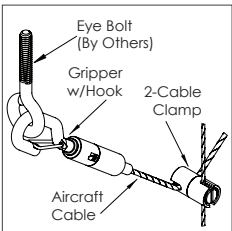
- (1) 4.5" canopy per power feed location,
- (1) bullet mount,
- (1) 8' aircraft cable
- (1) 2" canopy (for use with T-bar mounting) per suspension point



### COMBO CANOPY

Choose option COMBO to specify 4.5" canopies at feed locations with power feed and aircraft cable suspension mounting.

Canopy finish is always white. Contact ALW for alternate colors.



### SEISMIC BRACING

Add-on hardware includes cable gripper with hook, 2-cable clamp and specified length of aircraft cable per suspension point.



## PERFORMANCE DETAILS – DIRECT OR INDIRECT LAMPING

OUTPUT	DELIVERED LUMENS (LM/FT)	WATTS (W/FT)	EFFICACY (LM/W)	CRI OPTIONS	CCT OPTIONS
<b>LOW</b> <sup>9</sup>	569	7.0	81	80 90	3000K 3500K 4000K
<b>MED</b>	746	10.1	74		
<b>HI</b> <sup>9</sup>	1035	14.5	71		
<b>DECOR</b>	257	5.9	44	N/A	2700K-5700K
<b>TUNE</b> <sup>10,11</sup>	586	8.1	72		
<b>RGB</b> <sup>11</sup>	Color-Changing RGB	5	N/A		N/A
<b>RGBW</b> <sup>11</sup>	Color-Changing RGB + White	5			80

<sup>6</sup>Performance calculations are based on data of MED output at 80 CRI and 3000K. LOW and HIGH calculations are extrapolated values.

<sup>7</sup>Performance calculations are extrapolated estimates for mid-range CCTs. Cooler and warmer CCTs with provide lower delivered lumens (i.e. lower lm/W, higher W/lf).

<sup>8</sup>DMX driver recommended; controller not included.

## PERFORMANCE DETAILS – ACCENT/DOWNLIGHT LAMPING

SPOT	DELIVERED LUMENS (LM)	WATTS (W)	EFFICACY (LM/W)	CRI	CCT OPTIONS	BEAM SPREAD OPTIONS (DEGREES)
<b>DL800</b>	800	4.8	167	80	3000K 3500K 4000K	25 40
<b>DL1000</b>	1000	6.1	164			
<b>DL1500</b>	1500	9.7	155			



## LAMPING OPTIONS

		Indirect			
		NONE	LOW	MED	HI
Direct	NONE	x	✓	✓	✓
	LOW	✓	✓	✓	✓
	MED	✓	✓	✓	✓
	HI	✓	✓	✓	x

Limitations exist due to heat. Please follow above guidelines when specifying.

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## ADDITIONAL OPTIONS & SPECIFICATIONS

### LED PERFORMANCE

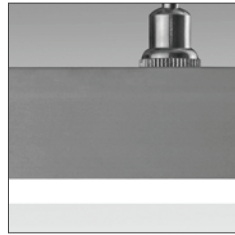
For standard LOW-HI lampings:  $L_{70} > 54,000$  hours.  
Luminous flux +/- 5%.

### LENS

Extruded, twin-layered, high-impact acrylic. EXT is white and extra diffuse with minimal-to-no source visibility. WD (indirect only) is lightly frosted with greater light output, but possible source visibility.



FLUSH LENS - EXT/F, WD



REVEAL LENS - EXT/R

### HOUSING

100% recyclable, extruded architectural grade 6061 aluminum with a 0.08" minimum wall thickness.

### SAFETY & REGULATORY

ETL Listed (U.S. & Canada). Suitable for dry or damp locations.  
Conforms to UL std. 1598, Luminaires.  
Certified to CSA std. C22.2#250.0:2008 Ed. 3+G1;G2.

### OPERATING TEMPERATURE

Luminaire should be installed and operated ONLY in dry or damp environments where the ambient temperature ranges from -4 °F to 122 °F (-20 °C to 50 °C). Luminaire operation in environments outside the listed temperature range voids the warranty AND may damage the product or adversely impact lamp life, lumen output and color consistency.

### WARRANTY

Limited 5-year warranty. Details: [alwusa.com/warranty](http://alwusa.com/warranty)

### INTEGRAL DOWNLIGHTS

Optional, aimable accent downlights deliver 800-1500 lumens with a beam spread of 25° or 40°. Hex cell (HEX) and snoot (SNT) accessories are also available.

### SENSOR OPTIONS

Optional, occupancy detection (OS) and/or daylight harvesting (PS) sensor available. Or upgrade to an optional Enlighted® Smart Sensor (ENLGHT) for additional capabilities. Contact ALW for details.

### FINISH

Standard finish is "Ultimate" aluminum — a smooth, clean, and durable finish achieved from a deep etch and two-step clear anodizing process. Other options are shown below.



Aluminum White\* Black Silver Brass RAL Classic

\*For healthcare environments, a white antimicrobial finish (WH/AM) is also available.