



HB2 | SUSPENDED, WALL

STANDARD SIZES

2" Aperture

Configurable in linear shapes and straight run sections

LAMPING

LED - Direct & Indirect - 80/90 CRI - 2700K/3000K/3500K/4000K Output Options: LOW/MED/HI/DECOR/BIOS/Tunable White/RGB/RGB+W Dimming down to 0%

FINISH

18 standard finishes available at no extra charge RAL classic colors, TCI / Tiger Drylac catalog colors, and custom color match also available

CONSTRUCTION

Extruded 6061 Aluminum

SPECIFYING FOR WELL™?

See pages 7-8 for recommended options that contribute to meeting the WELL Building Standard™













PRODUCT SUBMITTAL WORKSHEET

S	Δ	M	P	LE	P	R	Ö	D	П	CT	C	n	D	E
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HB2S - S10 - HI/90/3500 - 0/10V/S - EXT/F - MED/90/3500 - 0/10V/S - WD - WH - UNV - EMB/1 - ENLGHT/INT/2 - COMBO - SB

1. BASE MODEL (CHOOSE ONE)

☐ HB2S☐ HB2WQS 2" Suspended☐ QS 2" Wall-Mount (incl. optional 3/8" stand-off brackets)

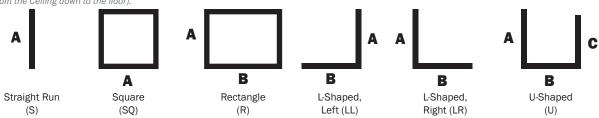




2. SHAPE/LENGTH (CHOOSE ONE & ENTER LENGTH IN FEET - FOR CUSTOM ANGLES, CONTACT ALW)

□ 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 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)

^{*}Shape orientation (Looking from the Ceiling down to the floor).



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*	B. CRI ²	C. CCT ³
☐ QS LOW ☐ QS MED	☐ QS 80 ☐ QS 90	☐ 2700K (90 CRI Only) ☐ QS 3000K
☐ QS HI¹	☐ BIOS** (STATIC BIOS)	□ QS 3500K
□ DECOR	BIOSD** (DYNAMIC BIOS)	☐ QS 4000K
TUNE (2700K-6500K, 80CRI)		

DELIVERED LUMENS (LM/FT)	WATTS (W/FT)	EFFICACY (LM/W)
See pages 9-10 for o	Up to 98 lm/W	

RGBW (White Chip: 3500K, 80CRI)

RGB

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

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

^{*}Consult ALW for custom lumen packages.

^{**}Static BIOS SkyBlue® 490nm LED is always on. Dynamic BIOS SkyBlue® 490nm LED can be tuned out with most LED driver and dimmer combinations. See page 10-11 for details.

¹Cannot select HI for both Direct & Indirect lamping due to heat limitations.

²CRI options not applicable for DECOR, TUNE, RGB, or RGBW lamping.

³2700K is not available in BIOS options. CCT options not applicable for TUNE, RGB, or RGBW lamping.



$\textbf{5. DRIVER}^{\textbf{4}} - \textbf{DIRECT} \text{ (CHOOSE ONE .STD, DECOR, TUNE \& RGB(W) TABLE INDICATES COMPATIBLE LED LAMPING)}\\$

		STD/BIOS ⁵	DECOR	RGB(W)	
☐ 0/10V/S	QS	•	• •		0-10V dimming down to 5% (Standard Dimming — Down to 10% for DECOR and TUNE lamping)
□ 0/10V/1%	QS	•	•		$0\text{-}10 ext{V}$ dimming down to 1%
□ 0/10V/0%	QS	•	• •		0-10V premium dimming down to 0%
☐ ECOSYS1		•	•		(LDE1) Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
☐ TSERIES ⁶			•		Lutron T-Series Tunable White Class 2 LED Driver (For use with Lutron Quantum Control Systems)
☐ DALI		•	• •		DALI flicker-free dimming down to 0%(Down to 1% for Lutron Vive Lighting Control System)
☐ DMX		•	•	•	DMX flicker-free dimming down to 0%

⁴Driver specifications provided upon request.

5. I	LENS	- DIR	ECT	(CHOOSE	ONE
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■ N

■ N	QS	None. Select when direct lamping is not desired.
☐ EXT/F	QS	Extra diffuse, flush

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

QS None. Select when indirect lamping is not desired

A. OUTPUT*	B. CRI ⁸	C. CCT ⁹		
☐ QS LOW	☐ QS 80	2700K (90	CRI Only)	
QS MED	☐ QS 90	☐ QS 3000K		
☐ QS HI ⁷	BIOS** (STATIC BIOS)	☐ QS 3500K		
□ DECOR	BIOSD** (DYNAMIC BIOS)	☐ QS 4000K		
TUNE (2700K-6500K, 80CR	1)		DELIVERED	
RGB			LUMENS (LM/FT)	WAT
RGBW (White Chip: 3500K,	80CRI)			

DELIVERED LUMENS (LM/FT)	WATTS (W/FT)	EFFICACY (LM/W)
See pages 9-10 for co	mplete details.	Up to 98 lm/W

QS = QuickShip-eligible, \underline{ALL} options specified in the configuration $\underline{must\ be}$ ones notated with "QS". NOTE: Maximum 800 ft. of QuickShip-eligible product per order.

⁵Lutron Vive Control Systems is compatible only with STD lamping. See more information for compatible Driver under 'Sensor Options'.

⁶For use with TUNE Lamping. Lutron T-Series Driver is not compatible with Lutron Vive Lighting Control System.

^{*}Consult ALW for custom lumen packages.

^{**}Static BIOS SkyBlue® 490nm LED is always on. Dynamic BIOS SkyBlue® 490nm LED can be tuned out with most LED driver and dimmer combinations. See pages 10-11 for details.

⁷Cannot select HI for both Direct & Indirect lamping due to heat limitations.

⁸CRI options not applicable for DECOR, TUNE, RGB, or RGBW lamping.

⁹²⁷⁰⁰K is not available in BIOS options. CCT options not applicable for TUNE, RGB, or RGBW lamping.



7. DRIVER10 — INDIRECT (CHOOSE ONE .STD, DECOR, TUNE & RGB(W) TABLE INDICATES COMPATIBLE LED LAMPING) STD/BIOS¹¹ DECOR RGB(W) □ 0/10V/S • 0-10V dimming down to 5% (Standard Dimming – Down to 10% for DECOR and TUNE lamping) 0/10V/1% 0S • 0-10V dimming down to 1% 0/10V/0% • 0-10V premium dimming down to 0% ECOSYS1 (LDE1) Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology TSERIES¹² Lutron T-Series Tunable White Class 2 LED Driver (For use with Lutron Quantum Control Systems) DALI flicker-free dimming down to 0%(Down to 1% for Lutron Vive Lighting Control System) □ DALI □ DMX DMX flicker-free dimming down to 0% Driver specifications provided upon request. Lutron Vive Control Systems is compatible only with STD lamping. See more information for compatible Driver under 'Sensor Options'. ¹²For use with TUNE Lamping. Lutron T-Series Driver is not compatible with Lutron Vive Lighting Control System. 8. LENS — INDIRECT (CHOOSE ONE) QS None. Select when indirect lamping is not desired. □ EXT/F QS Extra diffuse, flush \square WD QS Frosted (LEDs may be visible when dimmed) 7. FINISH (CHOOSE ONE. SEE PAGE 12 FOR LARGER SWATCHES AND ADDITIONAL INFORMATION) **STANDARD FINISHES ALUMINUM** □ AL QS Anodized Aluminum BASIC POWDER COAT METALLIC POWDER COAT ☐ GW Gloss White SG Silver Gray ☐ SW QS \square Satin White ☐ CG Charcoal Gray ☐ AW Antimicrobial Satin White CU Copper □ TW **Textured Matte White** □ BR Brass ☐ TB Textured Matte Black SATIN ANODIZED EFFECT POWDER COAT GLOSS POWDER COAT (80-95% GLOSS) ☐ CS Clear Silver ☐ GO Orange (RAL 2003) □ OB Red (RAL 3020) Oil-Rubbed Bronze □ GR ☐ GM Magenta (RAL 4010) Dark Bronze ☐ SB QS Satin Black □ GB Blue (RAL 5015) **SPECIAL ORDER FINISHES**

QS = QuickShip-eligible, <u>ALL</u> options specified in the configuration <u>must be</u> ones notated with "QS". NOTE: Maximum 800 ft. of QuickShip-eligible product per order.

Specify Catalog Colors - Specify colors from the Tiger Drylac and TCI catalogs

Custom Color Match - Specify a custom powder coat color match

Specify RAL Classic Color (Ex: RAL 3003) - Most RAL Colors are available for powder coat. See www.alwusa.com/finishes



□ UNV □ 347	QS Universal Voltage (120VAC-277VAC) 347 Volt (Driver options may be limited. Not available with EMB)
11. ADDITION	AL OPTIONS (OPTIONAL — CHOOSE ONE UNDER A, B, & C, IF DESIRED)
A. EMERGENCY	OPTIONS
EMB/13 EMC/13 13For fixtures under 4	QS Emergency Battery (indicate QTY — each battery powers 4ft. section @ 1492lm. Not available in 347V) QS Emergency Circuit (indicate QTY of 4ft sections to be illuminated by emergency circuit) ft in length, entire fixture will be illuminated with a proportional lumen output. Consult ALW for more details.
B. SENSOR OPT	IONS (DEFAULT QUANTITY IS 1 SENSOR PER 8FT, INDICATE ALTERNATE QUANTITY IF DESIRED)
□ VRF/_ 14 □ VDO/_ 14 □ FCJS/_ 15 □ FCJS/S/_ 15 □ ENLGHT/_ 10 □ ENLGHT/INT □ OS/_ * □ PH/_ *	
14Lutron® Vive integra Programming require 15Lutron® Vive remote Tunable White Driver. 16Enlighted® sensors	y on occupancy and photocell/daylight sensors may vary. Contact ALW for more information. al sensors are compatible with the following drivers: DALI driver or ECOSYS. Vive Sensors are not compatible with the Lutron T-Series Tunable White Driver. d by Lutron Commissioner. e sensors are compatible with the following drivers: 0/10V/S, 0/10V/1, 0/10V/0 driver or ECOSYS. Vive Sensors are not compatible with the Lutron T-Series Programming required by Lutron Commissioner. are compatible with the following drivers: 0/10V/S, 0/10V/1, 0/10V/0. Programming required by Enlighted Commissioner. Additional Enlighted sensor families and Enlighted One Sensors are also available as a custom order but not available as a QuickShip option. Contact Customer Support for more information.
C. ADDITIONAL	OPTIONS (COMPATIBLE ONLY WITH SUSPENDED MOUNT)
□ COMBO□ SB	QS Combination 4.5" canopy at power feed locations to accommodate both power cord & suspension mount hardware. QS Seismic Bracing

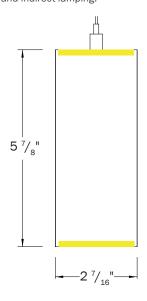
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MECHANICAL DIAGRAMS

SUSPENDED

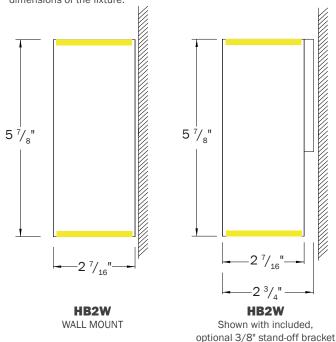
Suspended mounting can be specified with direct, indirect, or both direct and indirect lamping.



HB2S

WALL MOUNT

Wall mounting can be specified with direct, indirect, or both direct and indirect lamping. The optional wall mount bracket adds 3/8" to the dimensions of the fixture.



SUSPENSION MOUNTING



CEILING HARDWARE

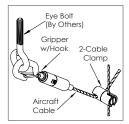
- (1) 4.5" canopy per power feed location,
- (1) bullet mount,
- (1) 8' aircraft cable
- (1) 2" canopy (for use with T-bar mounting) per suspension point



COMBO CANOPY

Choose option COMBO to specify 4.5" canopies at feed locations with power feed <u>and</u> 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.

SS051121



SPECIFYING FOR THE WELL BUILDING STANDARD™ - WELL™

ALW is committed to providing the highest quality luminaires for a multitude of applications, with many versatile lighting solutions that contribute to satisfying the WELL Building Standard. WELL is currently transitioning from WELL V1 to WELL V2. Below is a quick guide to assist you in specifying appropriate product configurations for WELL V2 features. Links to official WELL standards can be found here: WELL V1 & WELL V2.

CIRCADIAN LIGHTING DESIGN

WELL V2: FEATURE L03

The Circadian Lighting Design feature requires projects to provide users with appropriate exposure to light for maintaining circadian health and aligning the circadian rhythm with the day-night cycle.

To conform to these requirements, the project must meet one of the following 4 light level options (a, b, c, or d) below. These light levels are measured on the vertical plane at eye level of the occupant. The light levels are achieved at least between the hours of 9 a.m. and 1 p.m. and may be lowered after 8 p.m. at night.

DESIGNING WITH ELECTRIC LIGHT ONLY	DESIGNING WITH BOTH ELECTRIC LIGHT & DAYLIGHT	POINTS
a. At least 150 EML [136 melanopic equivalent daylight D65]	b. The project achieves at least 120 EML [109 melanopic equivalent daylight D65] with electric light and at least 2 points in Feature L05: Enhanced Daylight Access	1
c. At least 240 EML [218 melanopic equivalent daylight D65]	d. The project achieves at least 180 EML [163 melanopic equivalent daylight D65] with electric light and at least 2 points in Feature L05: Enhanced Daylight Access	3

Choose from a BIOS Static or BIOS Dynamic light engine to assist in a healthy, circadian lighting design. CCT, CRI, Luminous Flux Multipliers, and Melanopic Ratios are shown below for easy specification.

CIRCADIAN LIGHTING DESIGN (3PT MAX)	BIG	OS STATIC (BIO	OS)	BIOS DYNAMIC (BIOSD)			HOW TO SPECIFY
сст	3000K	3500K	4000K	3000K	3500K	4000K	1. Select BIOS or BIOSD for LED LAMPING
CRI / R9	83 / 80+	83 / 80+	83 / 80+	83 / 80+	83 / 80+	83 / 80+	Select the appropriate Lumen OUTPUT Select the appropriate CCT
LUMINOUS FLUX MULTIPLIER	0.95	0.98	1.00	0.95	0.98	1.00	See BIOS LED Lamping and Performance Details at the back of this spec sheet for lumen outputs, COI index
MELANOPIC RATIO (R)*	0.70	0.80	0.90	0.74	0.83	0.95	values, and other additional information.

GLARE CONTROL

WELL V2: FEATURE L04

Glare is defined as excessive brightness of a light-source, excessive brightness-contrasts and excessive quantities of light. Glare has been associated with a host of health issues that range from visual discomfort and eye fatigue to headaches and migraines.

To conform to Glare Control requirements, each luminaire must meet one of the following options (a, b, or d) for regularly occupied spaces.

GLARE CONTROL CRITERIA (3PT MAX)	COMPLIANT	VALUE	HOW TO SPECIFY
a. Indirect (100% emission above horizontal)	✓	100%	 Select N (None) for LED LAMPING - DIRECT Select any of the options for LED LAMPING - INDIRECT
b. Unified Glare Rating (UGR)*	✓	If looking to meet UGR requirements here: https://alwusa.com/production.	ements, ALW recommends specifying the Superplane 2.5 (SP2.5) series products oducts/superplane-2-5/
c. Shielding Angle	No	-	-
d. Max. Luminance (45°-90°) Max. Intensity (45°-90°)	✓		ance and Max. Intensity requirements, ALW recommends specifying the Superplane ere: https://alwusa.com/products/superplane-2-5/



SPECIFYING FOR THE WELL BUILDING STANDARD™ - WELL™ (CONTINUED)

ELECTRIC LIGHT QUALITY - PART 1: COLOR RENDERING QUALITY + PART 2: FLICKERWELL V2: FEATURE L07

Using light sources that have characteristics similar to daylight, including high color rendering and minimal flicker can improve comfort and well-being of users in a space and contribute to creating a healthy environment.

Part 1: Each luminaire must meet one of the following requirements (a or b) for regularly occupied spaces.

Part 2: Each luminaire must meet the IEEE 1789-2015 Standard Recommended Practice to manage flicker.

PART 1 - ENSURE COLOR RENDERING QUALITY (1PT MAX)	COMPLIANT	VALUE	HOW TO SPECIFY
a. CRI > 90	✓	CRI = 93 - 95	Select 90 (90CRI) for LED LAMPING
b. CRI > 80 with R9 > 50	✓	CRI = 83, R9 > 90	Select BIOS or BIOSD for LED LAMPING
c. IES Rf \geq 78, IES Rg \geq 100, -1% \leq IES Rcs, h1 \leq 15%	No	-	-
PART 2 - MANAGE FLICKER (1PT MAX)	COMPLIANT	VALUE	HOW TO SPECIFY
Meets IEEE 1789-2015 Standard Recommended Practice	✓	Modulation = 1% Flicker Frequency = 120 - 2000Hz	 Select 0/10V/S, 0/10V/1%, ECOSYS1, DALI or DMX for LED DRIVER



PERFORMANCE DETAILS – DIRECT OR INDIRECT LAMPING

оитрит	DELIVERED LUMENS (LM/FT)	WATTS (W/FT)	EFFICACY (LM/W)	CRI OPTIONS	CCT OPTIONS	
LOW ¹⁷	525	5.3			07001/ (0000) 0 1 1	
MED ¹⁷	700	7.2	Up to ~98	80 90	2700K (90CRI Only) 3000K 3500K 4000K	
HI ¹⁷	900	9.1				
DECOR	240	5.9	40		3000K 3500K 4000K	
TUNE	WW: 358 CW: 394 Total: 752	8.8	Up to ~89	N/A	2700K-6500K	
RGB ¹⁸	RGB: 105	4.4			N/A	
RGBW ¹⁹	RGB: 105 RGB+W: 193 White Only: 88	4.4	N/A	80 (White Chip)	3500K (White Chip)	

¹⁷Performance calculations are based on the following LM-79 test: 4000K, 80CRI, HIGH output. MED and LOW values are extrapolated distributions.

LAMPING OPTIONS

		Indirect				
		NONE	LOW	MED	HI	
	NONE	×	✓	✓	✓	
Direct	LOW	✓	✓	✓	✓	
Dir	MED	✓	✓	✓	✓	
	НІ	✓	✓	✓	×	

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

¹⁸ Performance calculations are derived from LM-79 test with all RGB LEDs illuminated (Red, Green, Blue).

¹⁹Performance calculations are derived from the following LM-79 tests: 1) RGB LEDs illuminated, 2) RGB+W LEDs illuminated, 3) White LED only illuminated.

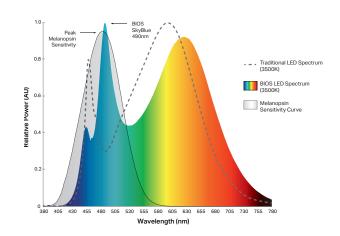


BIOS OVERVIEW



BIOS SkyBlue® technology is designed to provide the specific circadian stimulus required to improve overall sleep by featuring a distinct peak in the 'skyblue' spectral power at 490nm. Unlike traditional white LEDs, BIOS SkyBlue® makes it possible to achieve high EML (Equivalent Melanopic Lux) and Melanopic/Photopic ratios without harsh CCTs or high, glare-inducing light levels.

BIOS light engines are available in **Static** or **Dynamic** options for use with a variety of applications. In Static light engines, the SkyBlue 490nm signal always remains on while the fixture is powered. Dynamic options include a dynamic board and Bio-Dimmer module to allow the user to dim-out the SkyBlue 490nm signal during night time hours.



	BIOS STATIC (BIOS)	BIOS DYNAMIC + BIO-DIMMING™ (BIOSD)
DESCRIPTION	490nm SkyBlue light signal always remains on while the fixture is powered.	Dynamic light engine with Bio-Dimming add the ability to fine-tune and dim-out the 490nm SkyBlue signal during night time hours or as desired.
TYPICAL APPLICATIONS	Environments typically occupied only during daylight hours (6am - 8pm) such as offices and schools.	Environments occupied for a 24-hour period such as hospitals, security facilities, behavioral health facilities, factories, etc.
CONTROLS & DIMMING*		Works with any standard dimming controls (0-10V, Dali, EcoSystem, ELV, Triac, DMX, Wireless, etc.). BIOS SkyBlue® LED can be dimmed-out using a standard control/dimmer.

^{*}No unique wiring instructions required. However, Dynamic + Bio-Dimming™ option must be set up properly during initial startup to the desired light level setpoint. See installation guide for details.

BIOS LED LAMPING DETAILS (STATIC OR DYNAMIC)

оитрит	DELIVERED LUMENS (LM/FT) direct indirect	WATTS (W/FT)	EFFICACY (LM/W) direct indirect	CRI OPTIONS
LOW ¹⁹	525	8.2		
MED ¹⁹	700	11.5	Up to ~60.4	82+
HI ¹⁹	900	14.9		

BIOS LED PERFORMANCE DETAILS

CCT CRI (Ra) CRI (R9) Static BIOS Dynamic BIOS Dynamic BIOS		DAYTIME M/P RATIO ²⁰ Static BIOS Dynamic BIOS	NIGHTTIME M/P RATIO ²¹ Static BIOS Dynamic BIOS	COI ²² Static BIOS Dynamic BIOS	
3000K	82	94	0.70	0.70	3.0
	83	90	0.73	0.45	3.3
3500K	83	91	0.80	0.80	3.1
	83	90	0.84	0.50	3.1
4000K	83	91	0.90	0.90	3.1
	83	90	0.95	0.55	3.1

¹⁹Performance calculations are based on LM-79 test of BIOS 4000K, MAX output. MIN, LOW, MED and HIGH calculations are extrapolated values.

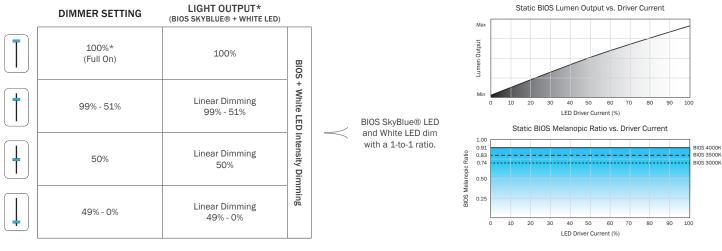
²⁰Milanopic to photopic (M/P) ratios are used to help calculate equivalent melanopic lux (EML) values which is the metric used for circadian lighting in the WELL™ Building Standard.

²¹Static LED nighttime M/P ratios remain the same as daytime M/P ratios as BIOS SkyBlue® always remains at full output.

²²BIOS SkyBlue® meets the Cyanosis Observation Index (COI) requirements for visual assessment of cyanosis, providing a COI up to 3.3.



BIOS STATIC DIMMING CONTROL CHARACTERISTICS



^{*}While melanopic ratio remains constant, dimming/reducing light output will have an overall impact on Equivalent Melanopic Lux (EML). That is because EML = Vertical Lux * melanopic ratio. Therefore, if you reduce light levels by dimming the LEDs, you will reduce your effective EML, even when the melanopic ratio stays constant.

LIGHT OUTDUT

BIOS DYNAMIC + BIO-DIMMING™ DIMMING CONTROL CHARACTERISTICS

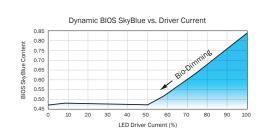
BIGG CIVIBILIES LEB

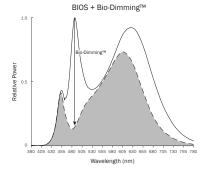
	DIMMER SETTING	BIOS SKYBLUE® LED	WHITE LED	LIGHT OUTPUT			
T	100%* (Full On)	100%	100%	100%	Bio-Dir		BIOS SkyBlue® maintained for maximum circadian impact.
†	99% - 51%	100% - 0%	100%	100% - 90%	Dimming	`	Light output remains relatively constant.
1	50%	NO BIOS	100%	~90%	White Intensity [\prec	BIOS SkyBlue® removed to provide minimal circadian
	49% - 0%	NO BIOS	100% - 0%	Linear Dimming 90% - 0%	e LED Dimming		impact. White LED output dims linearly.

^{*}No unique wiring instructions required. However, Dynamic + Bio-Dimming™ option must be set up properly during initial startup to the desired light level setpoint. See installation guide for details.



DUMANAED CETTURE





SS051121



STANDARD FINISHES

Standard finishes are available at no additional charge.

ALUMINUM



Anodized Aluminum QS

BASIC POWDER COAT



METALLIC POWDER COAT



SATIN ANODIZED EFFECT POWDER COAT



GLOSS POWDER COAT (80-95% GLOSS)



SPECIAL ORDER FINISHES*



RAL CLASSIC COLORS (80-95% GLOSS): RAL____

Most RAL Classic Colors are available for a minimum setup fee. On your specification submittal choose your RAL color by entering the 4-digit RAL code (Ex: RAL 3003).

See www.alwusa.com/finishes



CATALOG COLORS: CAT____

The complete range of powder coat colors from Tiger Drylac and TCI catalogs are available for a minimum setup fee. Consult ALW for a catalog color you would like to specify.



CUSTOM COLOR MATCH: CCM____

Custom powder coat color matching is available for a premium setup fee. Consult ALW for additional information.

^{*}An individual setup fee will apply to each unique Special Order Finish per purchase order. (ex: RAL 5023 and RAL 2008 are specified for multiple line items on a purchase order. 2x setup fees will apply)



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

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

POWER CABLES

Power cables come standard in a transparent sheathing to match steel aircraft suspension cables. Please contact customer support if custom cables are required for your application. Power cables cannot be swapped in the field as it will void the ETL Safety Listing and Product Warranty.



CONTROLS, SENSORS, & LED DRIVER

ALW lighting fixtures are intended for use with a wide range of sensors, lighting controls, LED drivers, and building management systems. Our component portfolio is continually expanding to adopt to the latest technologies and specification needs. We currently support integration with Lutron, Enlighted, EldoLED, nLight, Osram, Philips, and more. If there's a component or system needed that you don't see on the spec sheet please contact ALW customer support today so we can review your requirements.

13 of 13