



SERENE

ACOUSTIC CYLINDER, DIRECT ILLUMINATION



SPECIFICATIONS

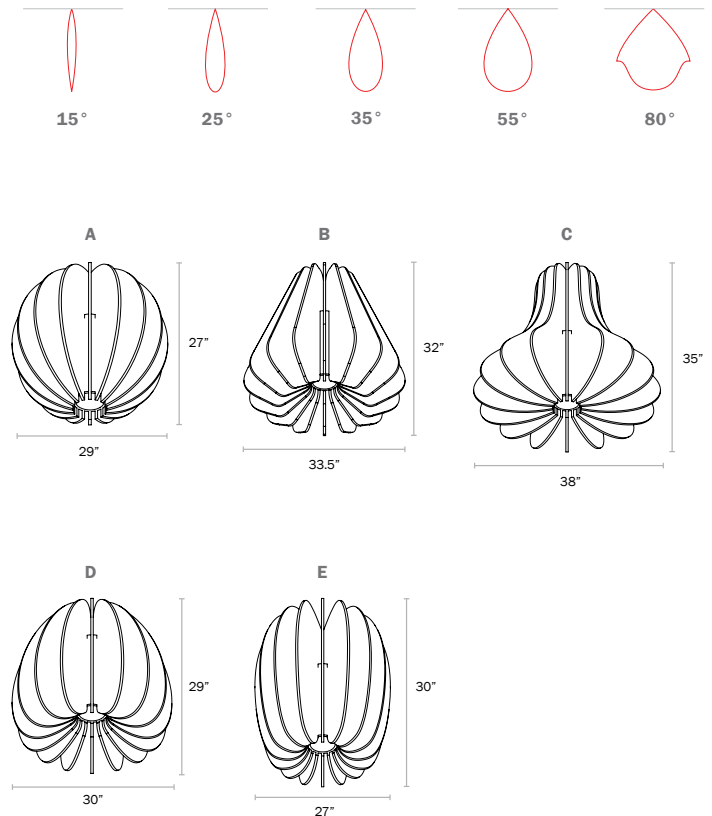
PROFILE	Acoustic pendants in various shapes
SIZES	27" - 38" width, 27" - 35" height. 6" aperture downlight.
LED OUTPUT	500lm - 6,000lm
CCT/CRI	2700K/3000K/3500K/4000K • 90 CRI or BIOS
DIMMING/ DRIVER	Internal, Canopy, and Remote Driver: 0-10V, Phase, DALI, DMX, eldoLED, Lutron®, PoE (Molex, Igor, NuLEDs). Dimming to 0% for select models.
POWER	5.6W to 34.1W per fixture
INPUT	100VAC or 277VAC Phase dimmable versions are 120VAC only
OPTICS	15° - 80° distribution spun aluminum reflectors. Field replaceable with tools.
FINISHES	Powder coat - TGIC polyester for exterior and interior use. 10 standard acoustic colors.
MATERIAL	Extruded aluminum with galvanized steel hardware. 0.5" PET polyester felt.
ENVIRONMENT	Indoor Dry or Damp locations

WELL

For UGR values and recommended options that contribute to meeting the WELL Building Standard™ see [WELL addendum](#).

*Safety and Performance information available on last page. Output and other specifications available on page 8.

DISTRIBUTIONS & PROFILES



Not to scale. Dimensions are nominal. Consult factory for CAD drawing



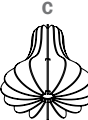
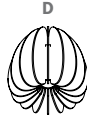
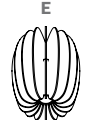




PRODUCT SUBMITTAL QUICK WORKSHEET

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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EXAMPLE: CRP6/SER – AAMB – 10902735HL – RV00 – SGBK12 – EMB – NLT

1. MODEL (CHOOSE 1)	2. SHAPE* (CHOOSE 1)	3. ACOUSTIC FINISH* (CHOOSE 1)
CRP6/SER Acoustic Cylinder	A W: 29" x H: 27" 51 sq. ft. total acoustic area B W: 33.5" x H: 32" 67.3 sq. ft. total acoustic area C W: 38" x H: 35" 70.7 sq. ft. total acoustic area D W: 30" x H: 29" 62 sq. ft. total acoustic area E W: 27" x H: 30" 65.1 sq. ft. total acoustic area <small>*For custom shapes, contact ALW.</small>	ACW Crystal White AMW Marble White AHG Heather Gray ACG Charcoal Gray AJB Jet Black AIW Ivory White AAG Aloe Green ATO Titan Orange ASR Scarlet Red AMB Midnight Blue
	    	<small>*See page 6 for larger swatches and additional information</small>

4. OUTPUT* (CHOOSE 1)	5. CRI CHOOSE 1)	6. CCT (CHOOSE 1)	7. REFLECTOR* (CHOOSE 1)
05¹ 500lm 35 3500lm 10 1000lm 40 4000lm 15 1500lm 45 4500lm 20 2000lm 50 5000lm 25 2500lm 55 5500lm 30 3000lm 60 6000lm	90 90 BD² BIOS Dynamic <small>²Dynamic BIOS SkyBlue® 490nm LED can be tuned out with most LED driver and dimmer combinations. See pages 9-10 for details.</small>	27³ 2700K 30 3000K 35 3500K 40 4000K <small>³Not available in BIOS Dynamic.</small>	15 15° (0.3 S/MH) 25 25° (0.4 S/MH) 35 35° (0.6 S/MH) 55 55° (0.9 S/MH) 80 80° (1.4 S/MH) <small>*Beam angles noted above are nominal.</small>

*See BIOS Dynamic supplement on pages 9-10 for BIOS lighting options.

¹Phase dimming not available for 500lm.

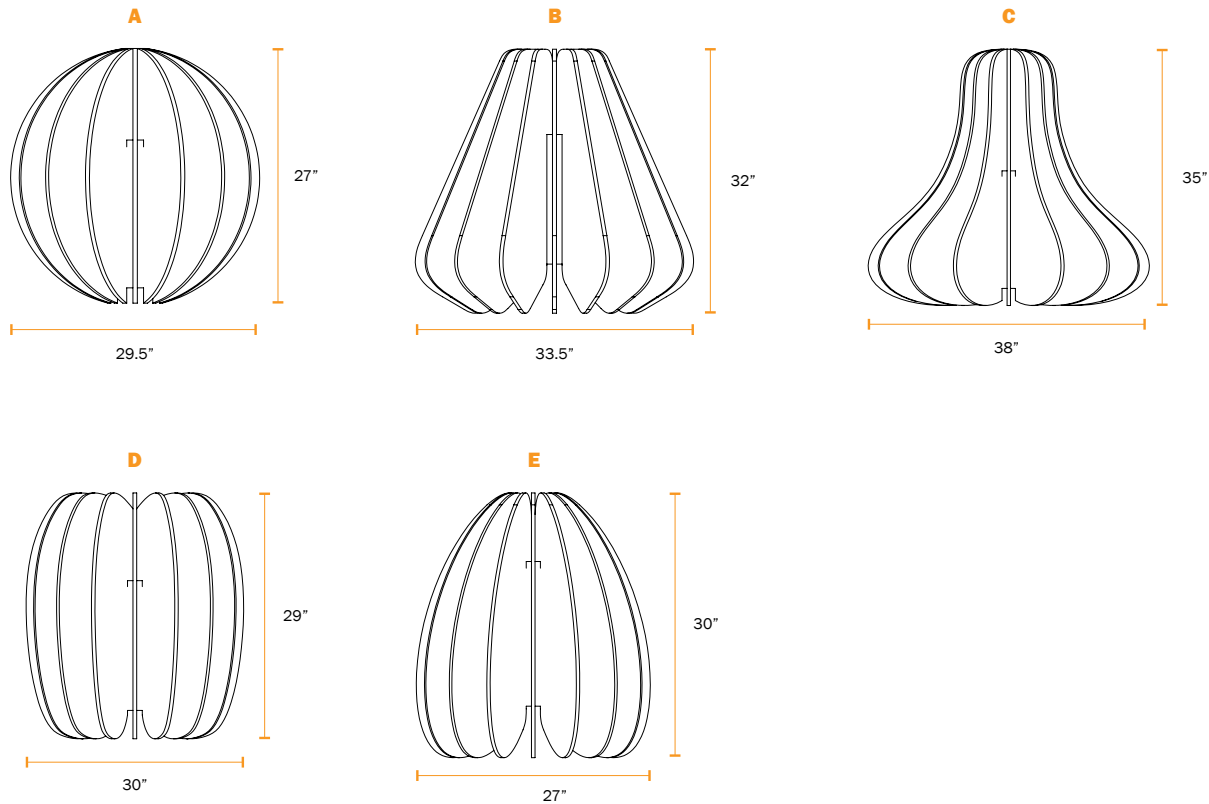
8. OPTICAL ACCESSORY (CHOOSE 1)	9. DRIVER LOCATION* (CHOOSE 1)	10. DIMMING* (CHOOSE 1)	11. SHELL COLOR* (CHOOSE 1)
NN None HL Honeycomb Louver DF Diffusion Lens LS Wall Wash Lens (shifts beam 20° from vertical) WW	R Remote D Deep Canopy N Internal <small>*See 'Dimming/driver location compatibility' on page 11 to ensure correct dimming specification.</small>	V00 (0-10V, dim to 0%) V01 (0-10V, dim to 1%) P01 (Phase, dim to 1%) ELDV0⁴ (eLdoLED, 0-10V, dim to 0%) LDE1⁴ (Lutron ECOSYS1, 0-10V, dim to 1%) LTEA⁴ (Lutron Hi-Lume, Phase dim, 2-wire to 1%) DALI⁴ (DALI, dim to 0%) DMX⁴ (DMX, dim to 0%) <small>*See 'Driver', 'Sensor', and 'dimming/driver compatibility' charts for sensor and dimming compatibility. ⁴Consult factory for BIOS Dynamic dimming options. ⁵Not available with internal driver (N) location. ⁶POE drivers only compatible with remote driver (R) location. Driver size may change depending on lumen package. ⁷Choose if desired PoE solution not listed. Contact customer service to review and confirm the PoE system of your choice.</small>	FINISHES SG Silver Gray SW Satin White SB Satin Black --- Specify Finish Code (Ex: OB = Oil-Rubbed Bronze) SPECIAL ORDER FINISHES* RAL_____ Specify RAL Classic Color (Ex: RAL 3003) - CAT_____ Specify Catalog Colors CCM_____ Custom Color Match <small>*See page 6 for finish chart. ⁸Manually type the finish code into the parametric code above.</small>

12. SUSPENSION (CHOOSE 1)	13. EMERGENCY OPTIONS* (OPTIONAL)	14. SENSOR OPTIONS* (CHOOSE 1)
BK⁷ Black Cord WH⁷ White Cord CB⁷ Clear Braided Cord CC_^{7,8,9} Colored Cord <small>⁷Standard cord length 8ft. For longer cords, type desired length after cord style in product code above (i.e BK/8 = Black Cord + 8ft cord length) ⁸Available only with Deep or Remote Driver, 0-10V, ECOSYS1, DMX and DALI. Available with deep, remote, and internal driver for ELG/ TRIAC phase dimming. ⁹Type code for desired color (list on page 7) into product code above (i.e. CC5/8 = Neon Coral cord + 8ft length)</small>	N None EMB¹⁰ Emergency Battery <small>*Emergency options only available with 0-10V driver options. Third part inverter system recommended for other driver options. Refer to ALW EM Solution Catalog for all compatibility exceptions. ¹⁰Only deep canopy and remote mount available.</small>	N (None) WLNx (Cooper Wavelinx, remote) ENLIGHT (Enlighted, remote) FCJS (Lutron, remote) FCJS/S (Lutron, remote, occ/daylight sensor) MLX (Moxel POE, remote) NLT (nLight wired remote connection) NLTAIR (nLight AIR, remote connection, integral occ/daylight sensor) OS/PH/HV (Hubbel WASP remote occ/daylight sensor) <small>*Default quantity is 1 sensor per fixture, type alternate quantity (/#) into product code above if desired and contact ALW to request price adjustment. Sensor descriptions available on page 12. ¹¹Not all sensors are compatible with all drivers. See 'Driver', 'Sensor' and lighting charts for driver details and sensor compatibility.</small>

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DIMENSIONS



MOUNTING

REMOTE DRIVER

STANDARD SHALLOW CANOPY

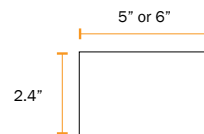


PENDANT ONLY

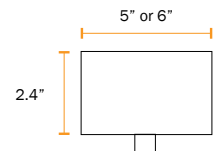


DEEP CANOPY MOUNTED DRIVER

DEEP CANOPY FOR CANOPY MOUNTED LED DRIVERS



PENDANT ONLY

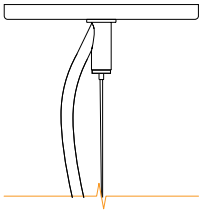


All canopies fit standard 3.5" and 4" round and octagonal junction boxes.
Not to scale. Dimensions are nominal. Consult factory for CAD drawings
*Deep canopy diameter depends on LED driver size
**Dual output emergency battery fixtures may require 7" canopy

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SUSPENSION



AIRCRAFT CABLE
Standard cable length = 6". Cable length is field adjustable

CORD OPTIONS



Black
Order Code = **BK**

For all locations



White
Order Code = **WH**

For all locations



Clear Silver Braid
Order Code = **CB**

For dry and damp
locations only



Cloth Cover
Order Code = **CC**

For dry and damp
locations only

For remote and deep canopy drivers only

Specify cloth cord color in
the suspension section of the part
number. See page 7 for all cloth cord color
options.

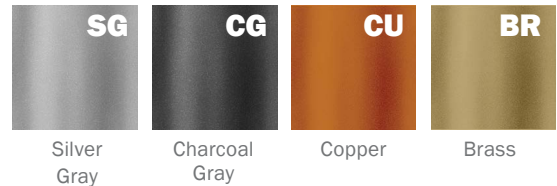


FINISHES

BASIC POWDER COAT



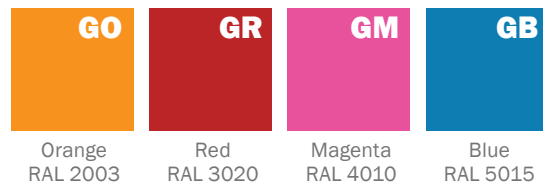
METALLIC POWDER COAT



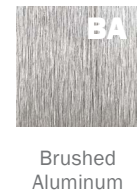
SATIN ANODIZED EFFECT POWDER COAT



GLOSS POWDER COAT (80-95% GLOSS)



ALUMINUM*



Contact ALW Quotes for sample paint finish swatches.

*Brushed aluminum finish available for an additional fee.

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



CUSTOM COLOR MATCH: CCM_ _ _ _

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



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.

*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)

*Printed or on-screen colors are only approximations - consult actual Color Chip Set before specifying)

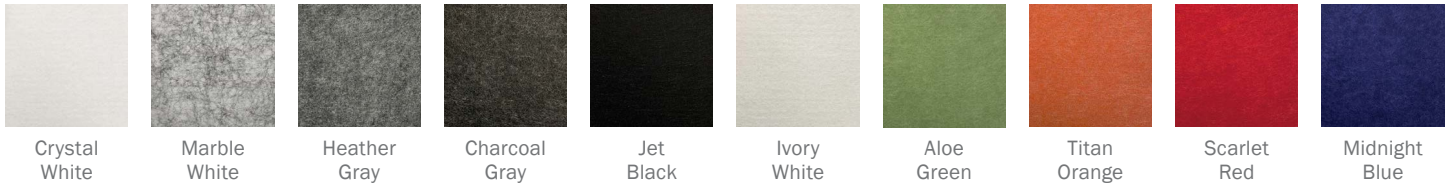
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ACOUSTIC FINISHES

ACOUSTIC COLORS & INFORMATION

The Harmonic Collection features 10 acoustic material colors comprised of ~0.5" (12mm) PET polyester fibers, specially designed for premium sound absorption. ALW's PET acoustics as a 2D absorber have a NRC (Noise Reduction Coefficient) of 85%. Each panel is precision-cut to size using our CNC-cutting process, enabling a wealth of design options from beveled edges to custom cutouts. All panels conform to ASTM E84 Class A and EN13501-1 Class B fire ratings.



COMPANION ACOUSTIC COLORS & RAL FINISHES

The chart below outlines suggested RAL finishes to complement the acoustic colors above. With exception to ALW Satin Black and Satin White these RAL suggestions are not standard paint finish offerings. See next page for ALW's full paint finish catalog.

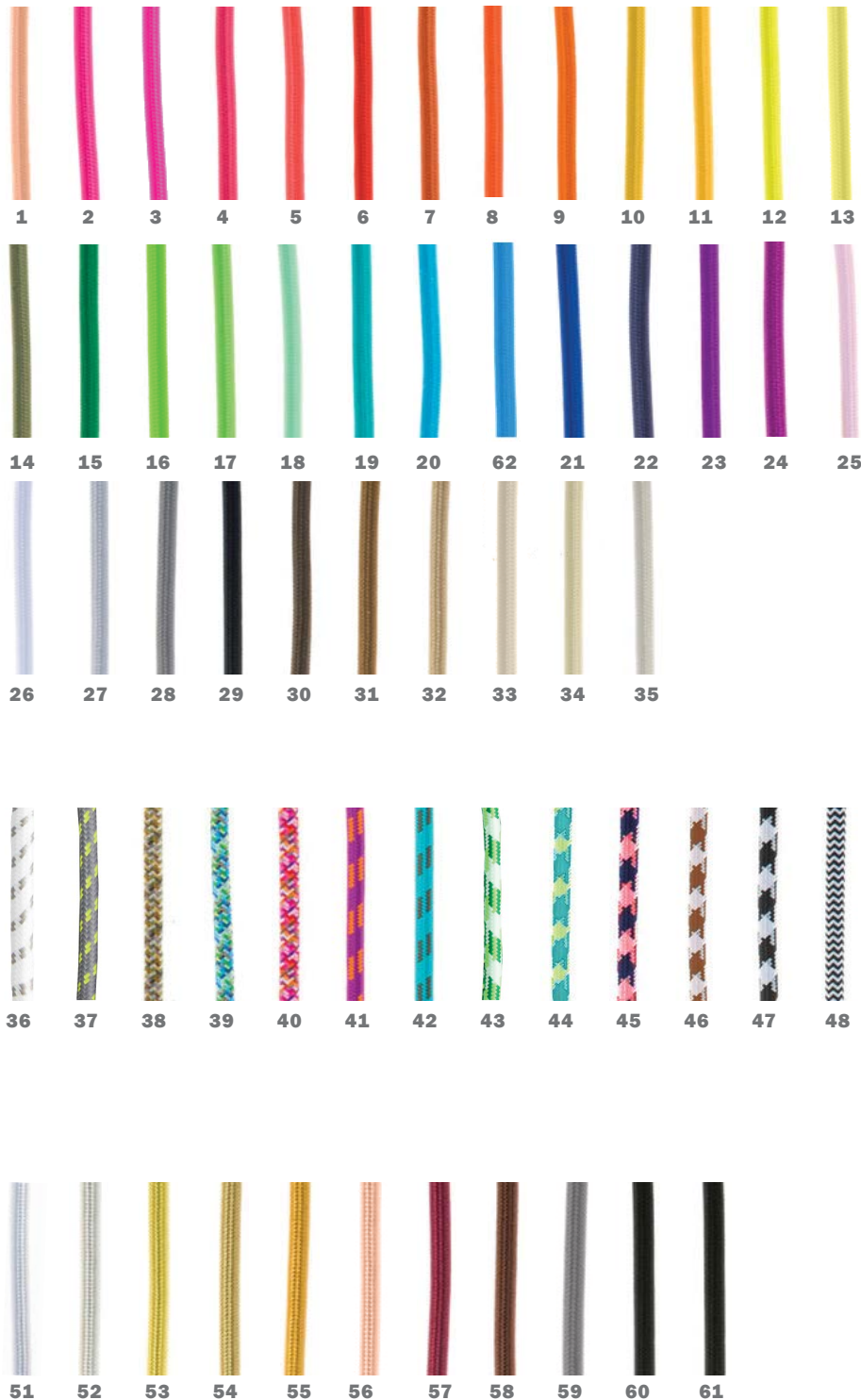
ACOUSTIC COLOR	COMPANION RAL FINISHES	ACOUSTIC COLOR	COMPANION RAL FINISHES
Crystal White	ALW Satin Black (SB) ALW Satin White (SW)	Ivory White	ALW Satin Black (SB) ALW Satin White (SW)
Marble White	RAL 7024 - Graphite Grey RAL 7046 - Telegrey 2 ALW Satin Black (SB) ALW Satin White (SW)	Aloe Green	RAL 6025 - Fern Green (slightly darker shade than acoustic) RAL 7013 - Brown Grey ALW Satin Black (SB) ALW Satin White (SW)
Heather Gray	RAL 7024 - Graphite Grey RAL 7046 - Telegrey 2 ALW Satin Black (SB) ALW Satin White (SW)	Titan Orange	RAL 2011 - Deep Orange RAL 5003 - Sapphire Blue RAL 5008 - Grey Blue RAL 8011 - Nut Brow RAL 9001 - Cream ALW Satin Black (SB) ALW Satin White (SW)
Charcoal Gray	RAL 7021 - Black Grey RAL 7024 - Graphite Grey ALW Satin Black (SB) ALW Satin White (SW)	Scarlet Red	RAL 3031 - Orient Red RAL 7047 - Telegrey 4 RAL 9001 - Cream ALW Satin Black (SB) ALW Satin White (SW)
Jet Black	ALW Satin Black (SB) ALW Satin White (SW)	Midnight Blue	RAL 5002 - Ultramarine Blue RAL 2011 - Deep Orange RAL 4010 - Magenta RAL 7047 - Telegrey 4 RAL 9001 - Cream ALW Satin Black (SB) ALW Satin White (SW)

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CLOTH CORD COLOR OPTIONS

FOR DAMP AND DRY LOCATIONS ONLY



SPECIFY **CLOTH CORD COLOR** IN SUSPENSION OPTIONS IN PRODUCT CODE. PRINTED OR ON-SCREEN COLORS ARE ONLY APPROXIMATIONS - CONSULT SAMPLE BEFORE SPECIFYING

SOLID COLOR CLOTH CORDS

1. Peach
2. Pink
3. Neon Pink
4. Hot Pink
5. Neon Coral
6. Red
7. Adobe
8. Orange
9. Neon Orange
10. Goldenrod
11. Sunshine Yellow
12. Neon Yellow
13. Citrus Yellow
14. Olive Green
15. Kelly Green
16. Neon Green
17. Lime Green
18. Mint Green
19. Turquoise
20. Skyblue
62. Electric Blue
21. Cobalt Blue
22. Navy
23. Purple
24. Magenta
25. Blush
26. White
27. Silver
28. Gray
29. Black
30. Antique Brown
31. Chocolate Brown
32. Flax
33. Khaki
34. Sand
35. Ivory

PATTERNED CLOTH CORDS

36. White & Gray Dot
37. Gray & Citrus Yellow Dot
38. Neutral Tweed
39. Cool Tweed
40. Warm Tweed
41. Magenta & Orange Stripe
42. Turquoise & Brown Stripe
43. Green Argyle
44. Turq. & Yellow Houndstooth
45. Navy & Coral Houndstooth
46. Brown & Ivory Houndstooth
47. Black & White Houndstooth
48. Black & White Zigzag
49. Red & White Zigzag
50. Yellow & White Zigzag

METALLIC CLOTH CORDS

51. Pearl Metallic
52. Champagne Metallic
53. Yellow Gold Metallic
54. Brass Metallic
55. Copper Metallic
56. Copper Penny
57. Currant Metallic
58. Bronze Metallic
59. Gunmetal
60. Black Patent
61. Black Satin

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PERFORMANCE DETAILS

REFLECTOR OPTION	CRI	DELIVERED LUMENS ¹¹	EFFICACY (LM/W)	WATTS(W)	CCT OPTIONS
15° 25° 35° 55° 80°	Ra = 90 ± 3	500	147	3.4	2700K 3000K 3500K 4000K
		1000	137	7.3	
		1500	130	11.5	
		2000	126	15.9	
		2500	122	20.4	
		3000	119	25.2	
		3500	115	30.3	
		4000	112	35.5	
		4500	111	40.6	
		5000	109	46	
		5500	106	51.6	
		6000	103	58.3	

*Based on 55deg reflector for all outputs, 4000K 90CRI.

*Refer to IES files for full performance data.

¹¹Actual lumens measured in field may differ +/- 10%.

TM-30-18 DETAILS (90 CRI LAMPING)

CCT	CRI (Ra)	CRI (R9)	TM-30 Rf	TM-30 Rg
2700K	90.5	59.7	89.4	99.6
3000K	92.5	66.5	89.9	98.7
3500K	93.8	74.2	89.8	98.1
4000K	94.2	78.8	89.8	98.5

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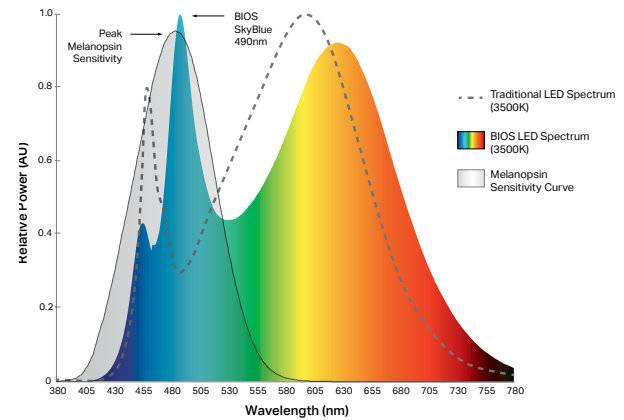


BIOS OVERVIEW



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 for cylinder products with a **Dynamic** options for use with a variety of applications. 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 DYNAMIC + BIO-DIMMING (BIOSD)	
DESCRIPTION	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 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, Triac, DMX, Wireless, etc.). BIOS SkyBlue® LED can be dimmed-out using a standard control/dimmer.

BIOS LED LAMPING DETAILS (DYNAMIC)

DELIVERED LUMENS ¹²	WATTS (W)	EFFICACY (LM/W)
500	5.4	93
1000	11.1	90
1500	18.3	82
2000	23.8	77

BIOS LED PERFORMANCE DETAILS

CCT	CRI (R9) Dynamic BIOS	DAYTIME M/P RATIO ¹³ Dynamic BIOS	NIGHTTIME M/P RATIO ¹³ Dynamic BIOS	COI ¹⁴ Dynamic BIOS
3000K	83	0.73	0.45	3.3
3500K	83	0.84	0.50	3.1
4000K	83	0.95	0.55	3.1

¹²Delivered Lumens calculations are based on LM-79 test of BIOS 4000K, 2000lm output.

¹³Melanopic 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.

¹⁴BIOS SkyBlue® meets the Cyanosis Observation Index (COI) requirements for visual assessment of cyanosis, providing a COI up to 3.3.



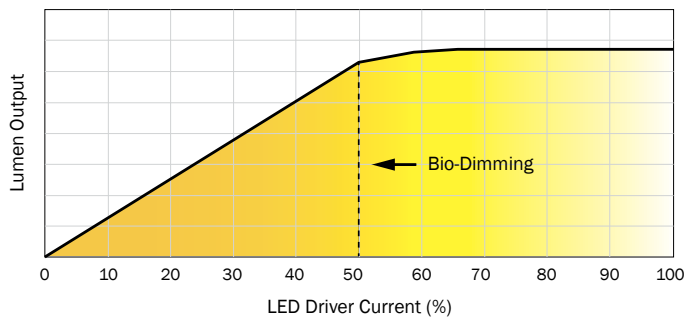
BIOS DYNAMIC + BIO-DIMMING DIMMING CONTROL CHARACTERISTICS

	DIMMER SETTING	BIOS SKYBLUE® LED	WHITE LED	LIGHT OUTPUT	
	100%* (Full On)	100%	100%	100%	Bio-Dimming
	99% - 51%	100% - 0%	100%	100% - 90%	
	50%	NO BIOS	100%	~90%	White LED Intensity Dimming
	49% - 0%	NO BIOS	100% - 0%	Linear Dimming 90% - 0%	

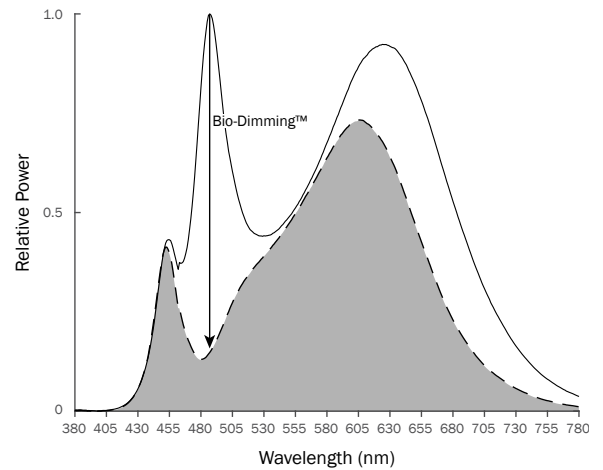
BIOS SkyBlue® maintained for maximum circadian impact.
 Light output remains relatively constant.

BIOS SkyBlue® removed to provide minimal circadian impact.
 White LED output dims linearly.

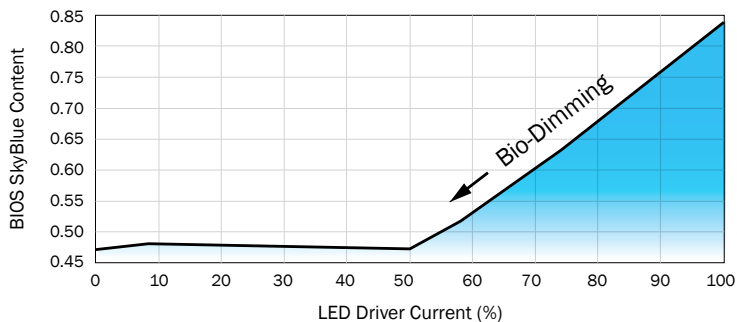
Dynamic BIOS Lumen Output vs. Driver Current



BIOS + Bio-Dimming™



Dynamic BIOS SkyBlue vs. Driver Current



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DRIVERS

PRODUCT CODE	DESCRIPTION
V00	0-10V dimming down to 0%
V01	0-10V dimming down to 1%
P01	ELV/TRIAC Phase dimming down to 1%
ELDV0	eldoLED, 0-10V dimming down to 0%
DALI	DALI flicker-free dimming down to 0%.
DMX	DMX flicker-free dimming down to 0%.
LDE1	ECOSYS1, (LDE1) Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
LTEA	LTEA. Lutron Hi-lume 1% 2-wire TRIAC dimming (120V forward-phase only)
POEM	POE MOLEX. Molex CoreSync PoE LED Driver dimming down to 0%
POEI	IGOR PoE LED Driver. Contact ALW to assist with your project.
POEN	NuLEDS PoE LED Driver. Contact ALW to assist with your project.
POE	PoE Ready LED Driver. Contact ALW to assist with your project.

* Contact ALW for specific dimming level requests. ALW lighting fixtures are intended for use with a wide range of sensors, lighting controls, LED drivers, and building management systems. If there are specific components required for your application that aren't listed on this spec sheet, please contact ALW customer support today to specify a compatible solution of your choice.

DRIVER/LED LAMPING COMPATIBILITY				
	STD*	BIOS	CA TITLE 24 JA8/JA10 ¹⁵	IEEE P1789 & HD TV STUDIO ¹⁶
V00	●	●	●	
V01	●	●	●	
P01	●	●	●	
ELDV0	●	●	●	●
DALI	●	●	●	●
DMX	●	●	●	●
LDE1	●	●	●	●
LTEA	●	●	●	
POEM	PER REQUEST		●	●
POEI	PER REQUEST		●	●
POEN	PER REQUEST		●	●
POE	PER REQUEST		●	●

DRIVER LOCATION/DRIVER COMPATIBILITY			
	INTERNAL	DEEP CANOPY	REMOTE
V00	●	●	●
V01	●	●	●
P01	●	●	●
ELDV0		●	●
DALI		●	●
DMX		●	●
LDEA		●	●
LTEA		●	●
POEM		●	●
POEI		●	●
POEN		●	●
POE		●	●

● - Indicates compatibility

* Standard lamping (STD) - 500-6000lm

¹⁵ Fixtures specified with 90CRI 2700K, 3000K, 3500K, and 4000K lamping with applicable LED drivers have the ability to conform to California Title 24 JA8 and JA10 Appendices.

¹⁶ The following drivers conform to IEEE P1789 Flicker Standard: 'IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers'. These drivers may also be installed in HD TV Studio applications utilizing high frequency camera equipment.

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SENSORS

	PRODUCT CODE	DESCRIPTION	Location
	N	None. Choose when sensors are not desired.	-
COOPER	WLNx	Fixture is built with 0/10V wiring to connect to Wavelinx Wireless sensors and power/relay packs (sensors and equipment not provided by ALW)	Remote
ENLIGHTED™	ENLGH	Enlighted® remote connected lighting smart sensor - occ/daylight/networking (Enlighted Part: SU-5S-H-CL)	
LUTRON VIVE	FCJS	Lutron® Vive remote RF wireless fixture control (Lutron Part: FCJS-ECO or FCJS-010)	
	FCJS/S	Lutron® Vive remote RF wireless fixture control + daylight/occ sensor (Lutron Part: FCJS-ECO or FCJS-010, & FC-Sensor)	
MOLEX POE CORESYNC	MLX	Molex PoE sensors for use with Molex/PoE drivers. Customer will need to determine who to purchase PoE equipment from.	
NLIGHT WIRED®	NLT	Fixture is built to connect to nLight Wired remote components specified by agency. Contact ALW to review project details.	
NLIGHT WIRELESS®	NLTAIR	Fixture is built to connect to nLight Air (Wireless) remote components specified by agency. Contact ALW to review project details.	
VALUE SENSORS	OS/PH/HV	Hubbell WASP High Voltage 0-10V remote surface mount occ/daylight sensor. 120/277/347VAC input (Hubbell Part: WSPDSMUNV) Automated Dimming Functionality: Connect fixture 0/10V wires to sensor in the field. Adjust occ/photocell settings as desired. On/Off or Manual Dimming Functionality: Turn photocell functionality OFF. Cap off 0/10V wires on sensor. Connect fixture 0/10V wires to wall dimmer in the field.	

*All connected lighting sensors/systems must be programmed in the field by an electrical commissioner familiar with the system. Refer to the 'Sensor Compatibility' and 'Driver/Sensor Compatibility' charts to specify compatible sensors, LED lamping, and LED driver systems.

SENSOR COMPATIBILITY					
PRODUCT CODE		SENSOR TYPE	MAX MT HT	CA TITLE 24	STD*
COOPER WAVELINX	WLNx		15 ft	●	●
ENLIGHTED™	ENLGH	OCCUPANCY/PHOTOCELL	40 ft	●	●
LUTRON VIVE	FCJS	WIRELESS CONTROL	12 ft	●	●
	FCJS/S	OCCUPANCY/PHOTOCELL	12 ft	●	●
MOLEX POE CORESYNC	MLX		16 ft	●	●
NLIGHT WIRED	NLT		15 ft	●	●
NLIGHT WIRELESS	NLTAIR		15 ft (average)	●	●
VALUE SENSORS	OS/PH/HV	OCCUPANCY/PHOTOCELL	45 ft	●	●

● - Indicates compatibility ■ - On/off sensor functionality only

*Standard lamping (STD) - 500-6000lm

DRIVER/SENSOR COMPATIBILITY									
	WLNx	ENLGH	MLX	FCJS	FCJS/S	NLT	NLTAIR	OS/PH/HV	NO SENSOR
V00	●	●		●	●			■	●
V01	●	●		●	●			■	●
P01								■	●
ELDV0						●	●	▲	●
DALI								■	●
DMX								■	●
LDE1				●	●				●
LTEA								■	●
POEM			●						●
POEI	Sensor types will depend on the PoE system configuration. Contact ALW for details.								
POEN	Sensor types will depend on the PoE system configuration. Contact ALW for details.								
POE									

● - Indicates compatibility

▲ - Fixture can have automated dimming via sensor OR on/off functionality and manual dimming

■ - On/off sensor functionality only

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PHOTOMETRICS

BEAM ANGLE (°)	POLAR PLOT (CD)	MTG HEIGHT (FT)	LIGHT LEVEL (FC)	BEAM DIAMETER (FT)	SPACING CRITERION (SC) ¹⁷ (0° - 180°) (90° - 270°)	MAX INTENSITY (CD)
15°		6	842.3	1.5	.24 .24	30324
		8	473.8	2.0		
		10	303.2	2.5		
		12	210.6	3.0		
		14	154.7	3.5		
		16	118.5	3.9		
25°			292.0	2.9	.46 .46	10510
		8	164.2	3.9		
		10	105.1	4.9		
		12	73.0	5.8		
		14	53.6	6.8		
		16	41.1	7.8		
35°			226.0	3.4	.53 .53	8136
		8	127.1	4.6		
		10	81.4	5.7		
		12	56.5	6.9		
		14	41.5	8.0		
		16	31.8	9.1		
55°			86.0	7.4	.95 .95	3118
		8	48.4	9.8		
		10	31.0	12.3		
		12	21.5	14.7		
		14	15.8	17.2		
		16	12.1	19.6		
80°		6	64.3	10.1	1.21 1.21	2314
		8	36.2	13.5		
		10	23.1	16.9		
		12	16.1	20.3		
		14	11.8	23.7		
		16	9.0	27.0		

*Photometric calculations based on 3000lm 4000K 90CRI fixture combination. Actual results may vary in the field.

For footcandle and output multipliers refer to the [ALW IES File Multipliers Chart](#).

¹⁷Spacing criterion refers to maximum distance luminaires can be spaced to provide uniform illumination on the working plane or surface.

Luminaire spacing = Spacing Criterion (SC) x Mounting Height (MH) (ex. 1.14 (SC) x 10' (MH) = 11.4' Luminaire Spacing).

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ADDITIONAL OPTIONS & SPECIFICATIONS

LED PERFORMANCE

> 55,000 hours at 80% lumen maintenance, LM80 / TM-21

COLOR CONSISTENCY

3 SDCM; 90 CRI typical

HOUSING

Extruded aluminum with galvanized steel hardware

SAFETY & REGULATORY

Can be used to comply with **Title 24 Part 6** high efficacy LED requirements and **ja8-2016-e**. Contact ALW customer support today and we can help you with your project requirements.

ETL Listed (U.S. & Canada). Suitable for dry or damp locations.
Conforms to UL 1598, 2108, 8750
Certified to CSA std. CSA C22.2# 9 & #250.0

OPERATING TEMPERATURE

Luminaire should be installed and operated ONLY in dry or damp environments where the ambient temperature ranges from -4 °F to 104 °F (-20 °C to 40 °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.

WOOD VENEER

Most ALW fixture configurations are available with **real wood veneer** as a custom request. Contact **ALW customer support** so we can help you with your custom wood veneer request.

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.

WARRANTY

Lifetime Limited Warranty. Details: alwusa.com/warranty

WEIGHT

25lbs