SUPERPLANE 2.5R

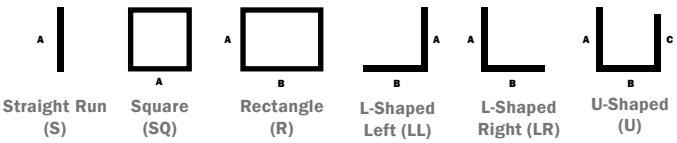
SP2.5R | CONTROLROLL OPTICS | RECESSED

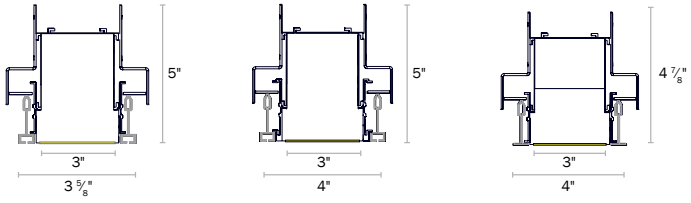
SPECIFICATIONS

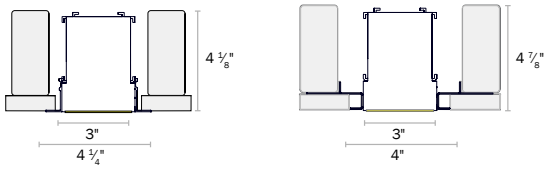
PROFILE	2.5" Aperture
SIZES	2ft - 8ft sections
LED OUTPUT	350lm/ft - 1,250 lm/ft
CCT/CRI	2700K/3000K/3500K/4000K • 80 or 90+ CRI Tunable White (2700K – 6500K) • RGB and RGB+W
DIMMING/ DRIVER	Integral and Remote Driver: 0-10V, DALI, DMX, eldoLED, Lutron®, PoE (Molex, Igor, NuLEDS). Dimming to 0% for select models.
POWER	3.1W - 10.7W per ft
INPUT	120VAC, 277VAC, or 347VAC
OPTICS	ControlRoll Optics - Continuous lens up to 250ft. Lambertian, Asymmetric, Batwing and Antiglare/Grazer optics available.
FINISHES	16 powder coat finishes Custom finishes also available
MATERIAL	6063-T6 Extruded Aluminum
ENVIRONMENT	Dry or damp locations
WELL/UGR	See ALW WELL and BIOS pages for recommended options that contribute to meeting the WELL Building Standard™

*Safety and Performance information available on last page. Output and other specifications available on page 7.

DISTRIBUTIONS & PROFILES







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

Intertek · QuickShip Eligible · enlighted · VIVE by LUTRON · nLIGHT · COOPER Lighting Solutions · PoE Ready · molex · igor · NuLEDs · bios

Rev 012125

ALW

PRODUCT SPECIFICATION SHEET

1	2	3	4a	4b	4c	5	6	7	8	9a	9b	9c

EXAMPLE: SP2.5R/F — TRIM — S5 — MED/90/3500K — V00 — CR/S — SW — UNV — EMB/1 — AY/xx — CP
(1) (2) (3) (4) (5) (6) (7) (8) (9A) (9B) (9C)

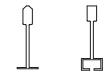
1. BASE MODEL (CHOOSE 1)

QS ☐	**SP2.5R/F**	2.5" Flush Mount
QS ☐	**SP2.5R/R**	2.5" Regressed Mount

2. CEILING TYPE (CHOOSE 1)

QS ☐	**TRIM**[1]	Trimmed
QS ☐	**MUD**[2]	Trimless (mud-in drywall only)
QS ☐	**RHF**[1]	Trimless, hidden flange
QS ☐	**TGRID/9/16**	9/16" T-Grid
QS ☐	**TGRID/15/16**	15/16" T-Grid
QS ☐	**SLOT**	9/16" Slot
QS ☐	**ATZ/TGRID/9/16**[3,4]	Armstrong® 9/16" T-Grid
QS ☐	**ATZ/TGRID/15/16**[3,4]	Armstrong® 15/16" T-Grid
QS ☐	**ATZ/SLOT**[3,4]	Armstrong® 9/16" Slot

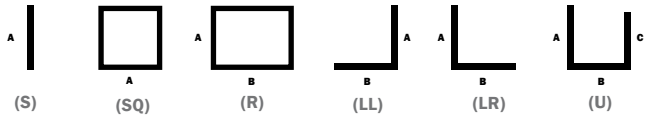
[1]For install in wood, drywall, metal, etc.
[2]Not compatible with regressed base models
[3]Fits Armstrong 4" TechZone
[4]All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them.



3. SHAPE/LENGTH* (CHOOSE 1 & ENTER LENGTH IN FT) - FOR CUSTOM ANGLES, CONTACT ALW

QS ☐	**S__**	Individual/Straight Run Section *(enter length in product code above, ex. S5)*
QS ☐	**SQ__**	Square Configuration *(enter side length A, ex: SQ5)*
QS ☐	**R__**	Rectangular Configuration *(enter side lengths A and B, ex. R5-7)*
QS ☐	**LL_-_**	L-Shaped, Left Configuration *(enter side lengths A and B, ex. LL5-7)*
QS ☐	**LR_-_**	L-Shaped, Right Configuration *(enter side lengths A and B, ex. LR5-7)*
QS ☐	**U_-_-_**	U-Shaped Configuration *(enter side lengths A, B, and C, ex. U5-7-4)*

*Lengths greater than 8' consist of multiple individual housing sections joined together, and include ONE continuous ControlRoll lens for the entire straight/linear run. Lengths are nominal and may vary based on lamping and other specification selections. Consult ALW when exact lengths are required.
*Shape orientation (Looking from the Ceiling down to the floor)



4. LED LAMPING (CHOOSE 1 FOR EACH)

	A. OUTPUT[5]	B. CRI[6]	C. CCT[6]
QS ☐	**MIN** (350 lm/ft)	☐ **NO CRI/CCT***	
QS ☐	**LOW** (475 lm/ft)	QS ☐ **80**	☐ **2700K**[8]
QS ☐	**MED** (750 lm/ft)	QS ☐ **90**	QS ☐ **3000K**
QS ☐	**HI** (1030 lm/ft)	☐ **BIOS**[7] (STATIC BIOS)	QS ☐ **3500K**
QS ☐	**MAX** (1250 lm/ft)		QS ☐ **4000K**
☐	**RGB** (140 lm/ft)	☐ **BIOSD**[7] (DYNAMIC BIOS)	
☐	**TUNE** (2700K-6500K, 90 CRI, 475/515 lm/ft)		
☐	**RGBW** (3500K, White, 80 CRI, 140/220 lm/ft)		
☐	**CSTM____**[9] (Enter lumens in product code above. Ex. 0100=100lm/ft)		

*Choose when TUNE, RGB, or RGBW is desired output
[5]For delivered lumens and watts, see 'Performance Details'
[6]CRI/CCT options not applicable for TUNE, RGB, or RGBW lamping
[7]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 9-10 for details.
[8]90CRI only. 2700K is not available in BIOS options
[9]Consult ALW for custom lumen packages.

5. DRIVER* (CHOOSE 1.)

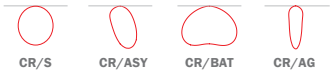
QS ☐	**V00** (0-10V, dim to 0%)	☐ **POEI** (POE IGOR)
QS ☐	**V01** (0-10V, dim to 1%)	☐ **POEN** (POE Nuleds)
QS ☐	**V05** (0-10V, dim to 5%)	☐ **POE**[10] (POE Ready)
☐	**P01** (ELV/TRIAC phase dim to 1%)	
☐	**LDE1** (Lutron ECOSYS1, 0-10V, dim to 1%)	
☐	**TSERIES** (Lutron HI-Lume, Phase dim, 2-wire to 1%)	
☐	**ELDV0** (eldoLED, 0-10V, dim to 0%)	
☐	**ELDDW** (eldoLED dim to warm)	
☐	**DALI** (DALI, dim to 0%)	
☐	**DMX** (DMX, dim to 0%)	
☐	**POEM** (POE Molex)	

*Driver specifications provided upon request. *See page 11 for driver details.*
*Refer to all 'Driver' and lamping charts for compatibility.
[10]Choose desired PoE solution not listed. Contact customer service to review and confirm the PoE system of your choice.

6. LENS (CHOOSE 1.)

QS ☐	**CR/S**	ControlRoll lens with diffused, lambertian distribution
QS ☐	**CR/ASY**	ControlRoll lens with asymmetric/ wall wash distribution (peak intensity 25°)
QS ☐	**CR/BAT**[11]	ControlRoll lens with batwing/ flood distribution (peak intensity 60°)
QS ☐	**CR/AG**	ControlRoll lens with antiglare/ grazer optics (35° distribution)

[11]Not available for TUNE, RGB, RGBW, BIOS, or BIOSD lamping.



7. FINISH* (CHOOSE 1)

STANDARD FINISHES

QS ☐	**SW**	Satin White
QS ☐	**SB**	Satin Black
QS ☐	**AS**	Aluminum Silver Anodized Effect
QS ☐	**TB**	Textured Black

PREMIUM FINISHES

☐ **__** See chart on page 6 for more standard finishes. Manually type in the finish code (Ex: OB = Oil-Rubbed Bronze)

SPECIAL ORDER FINISHES*

☐ **RAL____** Specify RAL Classic Color (Ex: RAL 3003)
☐ **CCM____** Specify Catalog Colors Custom Color Match

*Manually type in the finish code for special order finishes types

8. VOLTAGE (CHOOSE 1)

QS ☐	**UNV**	Universal Voltage (120VAC-277VAC)
☐	**347**	347 Volt *(Driver options may be limited. Not available with EMB)*

9a. EMERGENCY OPTIONS (OPTIONAL, CHOOSE 1)

QS ☐	**EMB/__**[12]	Emergency Battery *(indicate QTY — each battery powers 4ft. section @ 1492lm. Not available in 347 V)*
QS ☐	**EMC/__**[12]	Emergency Circuit *(indicate QTY of 4ft sections to be illuminated by emergency circuit)*

[12]For fixtures under 4ft in length, entire fixture will be illuminated with a proportional lumen output. Consult ALW for more details.

CONTINUES ON NEXT PAGE →

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.

PRODUCT SPECIFICATION SHEET CONT'D

9b. CONTROL OPTIONS* (OPTIONAL)		9c. CERTIFICATION OPTIONS	
☐ **N**	None	QS ☐ **CP**	Chicago Plenum Certification

FACTORY CONTROLS

☐ **OS/PH/INT/__**	Integral Occupancy/ Daylight sensor
☐ **OS/PH/HV/__**	Remote Occupancy/ Daylight sensor

NETWORK CONTROLS

Embedded controls below are placeholder specs. See the ALW Controls Guide to finalize your final control spec.

☐ **AY/xx**	Acuity
☐ **AN/xx**	Avi-on
☐ **CA/xx**	Casambi
☐ **CW/xx/__**	Cooper Wavelinx
☐ **EC/xx/__**	Encelium
☐ **EN/xx/__**	Enlighted
☐ **LU/xx/__**	Lutron
☐ **NX/xx/__**	NX Controls
☐ **WA/xx/__**	Wattstopper

*Quickship availability on occupancy and photocell daylight sensors may vary. Contact ALW for more information.

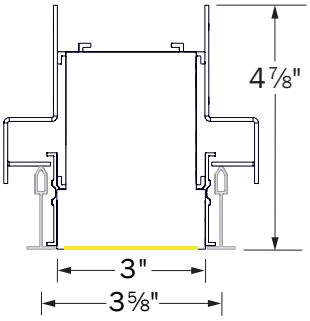
*Contact ALW for Additional Zone specifications

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.*

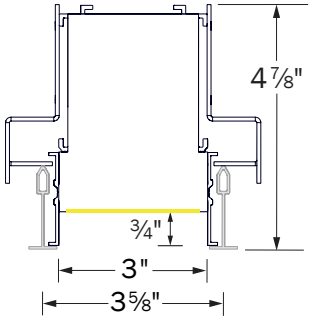
MECHANICAL DIAGRAMS

T-GRID

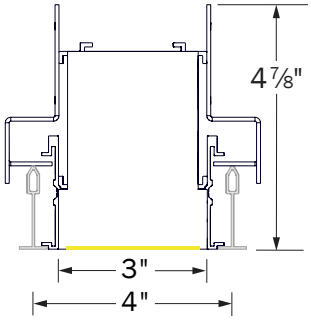
Add 3" to height measurements provided to determine total plenum clearance required with installed mounting hardware.



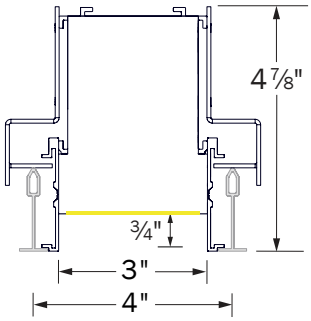
SP2.5R
TGRID/9/16



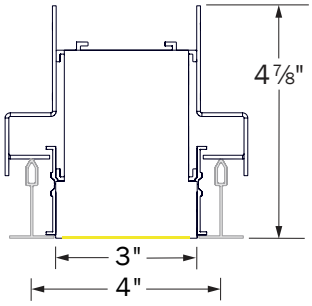
SP2.5R/R
TGRID/9/16



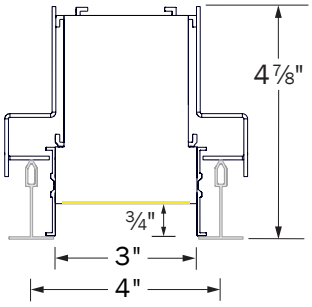
SP2.5R
ATZ/TGRID/9/16



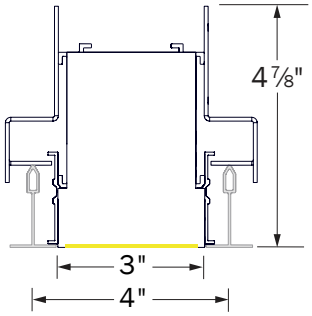
SP2.5R/R
ATZ/TGRID/9/16



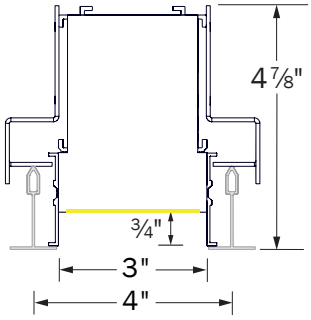
SP2.5R
TGRID/15/16



SP2.5R/R
TGRID/15/16



SP2.5R
ATZ/TGRID/15/16



SP2.5R/R
ATZ/TGRID/15/16

SLOT

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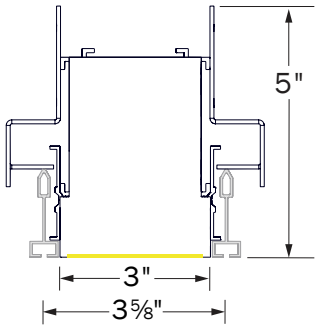
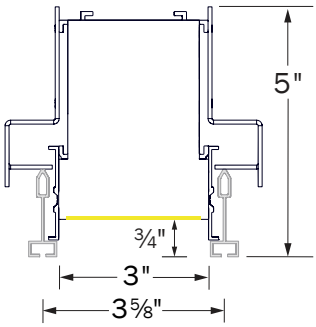
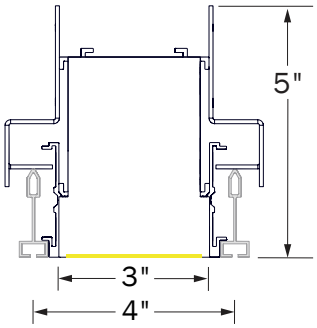


SP2.5R
SLOT

*Specify SP2.5R SLOT for Tegular installation.

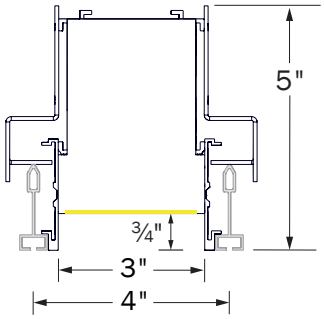


SP2.5R/R
SLOT



SP2.5R
ATZ/SLOT

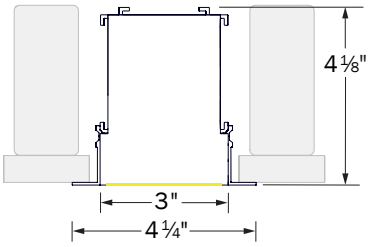
*Specify SP2.5R ATZ/SLOT for Tegular installation in Armstrong Techzone.



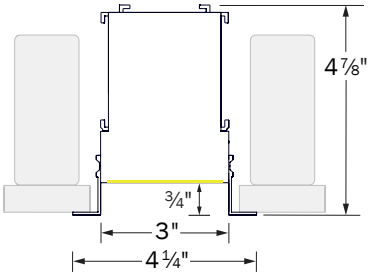
SP2.5R/R
ATZ/SLOT

MECHANICAL DIAGRAMS CONT'D

TRIM

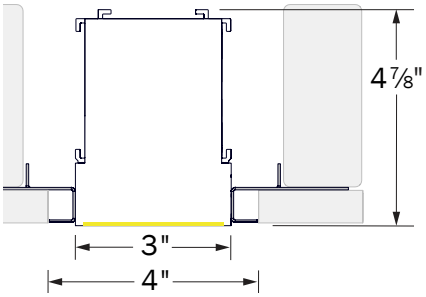


SP2.5R
TRIM

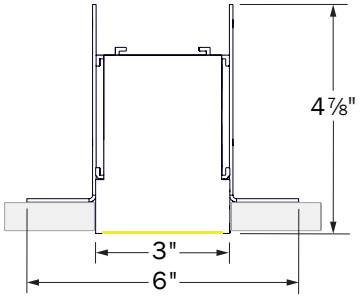


SP2.5R/R
TRIM

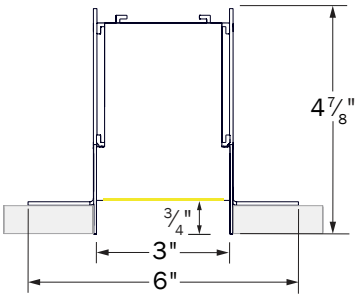
TRIMLESS



SP2.5R
MUD



SP2.5R
RHF
RECESSED HIDDEN FLANGE



SP2.5R/R
RHF
RECESSED HIDDEN FLANGE

FINISHES

Standard finishes are available at no additional charge.

STANDARD FINISHES - QS ELIGIBLE

SW	AS	SB	TB
Satin White QS	Aluminum Silver Anodized Effect QS	Satin Black QS	Textured Black QS

PREMIUM FINISHES

BASIC POWDER COAT

GW	AW	TW
Gloss White	Antimicrobial Gloss White	Textured Matte White

METALLIC POWDER COAT

CG	CU	BR
Charcoal Gray	Copper	Brass

SATIN ANODIZED EFFECT POWDER COAT

OB	DB
Oil-Rubbed Bronze	Dark Bronze

GLOSS POWDER COAT (80-95% GLOSS)

GO	GR	GM	GB
Orange RAL 2003	Red RAL 3020	Magenta RAL 4010	Blue RAL 5015

Contact ALW Quotes for sample paint finish swatches.

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.alw-inc.com/resources/finishes

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)

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

PERFORMANCE DETAILS

OUTPUT	OPTIC TYPE	DELIVERED LUMENS/FT	EFFICACY LM/W	WATTS/FT[12]	CRI OPTIONS	CCT OPTIONS
MIN[13]	CR/S	350	113	3.1	80+ 90+	2700K (90CRI Only) 3000K 3500K 4000K 5000K
	CR/ASY	370	119			
	CR/BAT	350	113			
	CR/AG	370	119			
LOW[13]	CR/S	475	113	4.2		
	CR/ASY	500	119			
	CR/BAT	470	112			
	CR/AG	500	119			
MED[13]	CR/S	750	115	6.5		
	CR/ASY	775	119			
	CR/BAT	735	113			
	CR/AG	775	119			
HI[13]	CR/S	1030	117	8.8		
	CR/ASY	1050	119			
	CR/BAT	1000	114			
	CR/AG	1050	119			
MAX[13]	CR/S	1250	117	10.7		
	CR/ASY	1300	121			
	CR/BAT	1200	112			
	CR/AG	1300	121			
TUNE	CR/S	WW: 475, CW: 515	WW: 113, CW: 123	4.2/channel	90+	2700K - 6500K
	CR/ASY	WW: 490, CW: 530	WW: 117, CW: 126			
	CR/BAT	WW: 460, CW: 500	WW: 110. CW: 119			
	CR/AG	WW: 490, CW: 550	WW: 117, CW: 126			
RGB[14]	CR/S	140	28	5	N/A	N/A
	CR/ASY	140	28			
	CR/BAT	140	28			
	CR/AG	140	28			
RGBW[15]	CR/S	RGB: 140, W: 220	RGB: 28, W: 44	5	80+ (White Chip	3500K (White Chip)
	CR/ASY	RGB: 140, W: 220	RGB: 28, W: 44			
	CR/BAT	RGB: 140, W: 220	RGB: 28, W: 44			
	CR/AG	RGB: 140, W: 220	RGB: 28, W: 44			

[12] *Lumens/Watt and Watts/ft have been calculated assuming a driver efficiency of 85%. Depending on field conditions, actual measured values may fluctuate by 5-8%.*
[13] *Performance calculations are based on LM-79 test of MAX output at 80 CRI and 4000K. MIN, LOW, MED and HIGH calculations are extrapolated values.*
[14] *Performance calculations are derived from LM-79 test with all RGB LEDs illuminated (Red, Green, Blue).*
[15] *Performance calculations are derived from the following LM-79 tests: 1) RGB LEDs illuminated, 2) RGB+W LEDs illuminated, 3) White LED only illuminated.*

PERFORMANCE DETAILS CONT'D

TM-30-18 DETAILS (90 CRI LAMPING)

CCT	CRI (Ra)	CRI (R9)	TM-30 Rf	TM-30 Rg	Duv
2700K	94	57	92	100	-0.0012
3000K	93	55	91	100	-0.0012
3500K	93	55	90	98	-0.0002
4000K	92	58	89	97	-0.0003

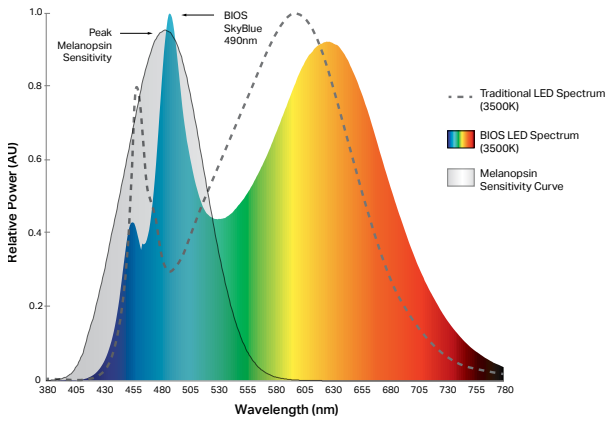
ALW

BIOS OVERVIEW

bios® ILLUMINATED

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 melanopic ratio remains constant as you dim down the light intensity.	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)

OUTPUT	DELIVERED LUMENS (LM/FT) *CR/S CR/ASY CR/BAT CR/AG*	EFFICACY (LM/W) *CR/S CR/ASY CR/BAT CR/AG*	WATTS (W/FT)	CRI
MIN[16]	350 370 350 370	113 119 113 119	3.1	82+
LOW[16]	475 500 470 500	113 119 112 119	4.2	
MED[16]	750 775 735 775	115 119 113 119	6.5	
HI[16]	1030 1050 1000 1050	117 119 114 119	8.8	
MAX[16]	1250 1300 1200 1300	117 121 112 121	10.7	

BIOS LED PERFORMANCE DETAILS

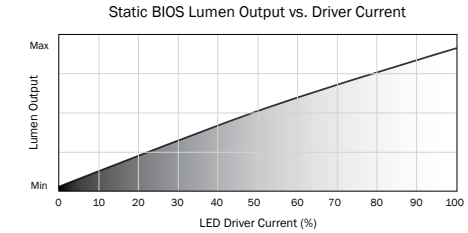
CCT	CRI (Ra) *Static BIOS Dynamic BIOS*	CRI (R9) *Static BIOS Dynamic BIOS*	DAYTIME M/P RATIO[17] *Static BIOS Dynamic BIOS*	NIGHTTIME M/P RATIO[18] *Static BIOS Dynamic BIOS*	COI[19] *Static BIOS Dynamic BIOS*
3000K	82 83	94 90	0.70 0.73	0.70 0.45	3.0 3.3
3500K	83 83	91 90	0.80 0.84	0.80 0.50	3.1 3.1
4000K	83 83	91 90	0.90 0.95	0.90 0.55	3.1 3.1

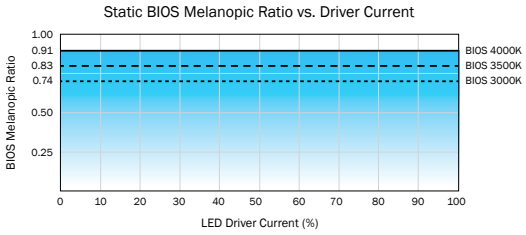
[16] *Performance calculations are based on LM-79 test of BIOS 4000K, MAX output. MIN, LOW, MED and HIGH calculations are extrapolated values.*
[17] *Melanopic to photopic (M/P) ratios are used to help calculate equivalent melanopic lux (EML) values which is the metric used for circadian lighting in the WELL™ Building Standard.*
[18] *Static LED nighttime M/P ratios remain the same as daytime M/P ratios as BIOS SkyBlue®® always remains at full output.*
[19] *BIOS 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

DIMMER SETTING	LIGHT OUTPUT* (BIOS SKYBLUE® + WHITE LED)	
100%* (Full On)	100%	BIOS + White LED Intensity Dimming
99% - 51%	Linear Dimming 99% - 51%	
50%	Linear Dimming 50%	
49% - 0%	Linear Dimming 49% - 0%	

BIOS SkyBlue® LED and White LED dim with a 1-to-1 ratio.





*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.

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%	

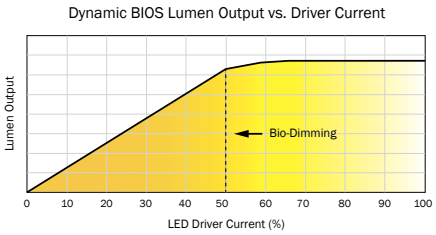
BIOS SkyBlue® maintained for maximum circadian impact.

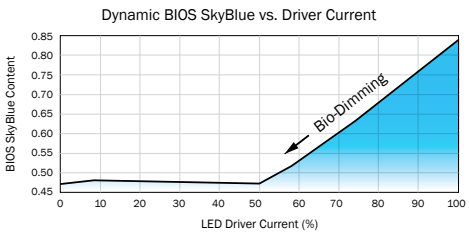
Light output remains relatively constant.

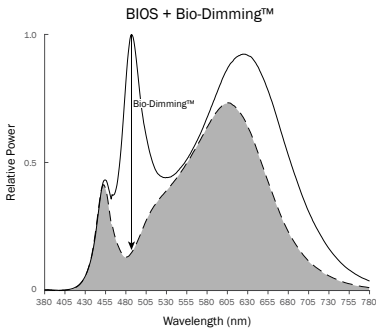
BIOS SkyBlue® removed to provide minimal circadian impact.

White LED output dims linearly.

**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.*







DRIVERS

PRODUCT CODE	DESCRIPTION
N	None. Choose when indirect lamping is not desired.
V00	0-10V dimming down to 0% (dim to off).
V01	0-10V dimming down to 1%.
V05	0-10V dimming down to 5% (Down to 10% for TUNE lamping).
P01	Driver supports both TRIAC Forward Phase 2-Wire and ELV Reverse Phase 3-Wire dimming controls.
LDE1	(LDE1) Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology.
ELDV0	eldoLED 0/10V dimming down to 0% (when choosing nLight Air integral sensors a compatible eldoLED LEDcode version will be specified)
TSERIES	Lutron T-Series Tunable White Class 2 LED Driver (For use with Lutron Quantum Control Systems)
ELDDW	eldoLED 0/10V dim-to-warm dimming down to 0% (specify with TUNE LED lamping. Driver will be programmed with LightShape dim-to-warm setting)
DALI	DALI flicker-free dimming down to 0%.
DMX	DMX flicker-free dimming down to 0%.
POEM	Molex CoreSync PoE LED Driver. Contact ALW to assist with your project.
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	Specify a PoE driver of your choice. Fixture comes with low voltage leads and no LED driver. Contact ALW to assist with your project

*Most drivers can be programmed to specific dimming levels if desired. 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.

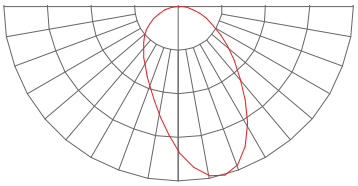
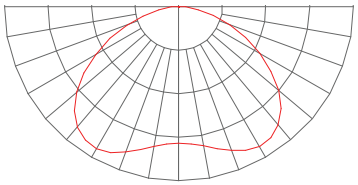
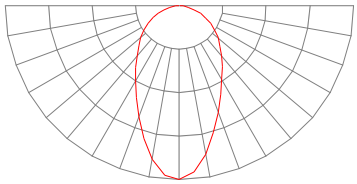
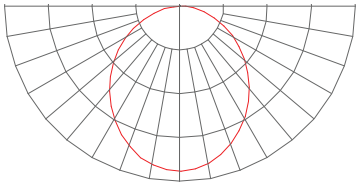
DRIVER/LED LAMPING COMPATIBILITY							
	STD	STD/BIOS	TUNE	RGB	RGB(W)	CA TITLE 24 JA8/JA10[20]	IEEE P1789 & HD TV STUDIO[21]
V00	●	●	●			●	
V01	●	●	●			●	
V05	●	●	●			●	
P01	●	●	●			●	
LDE1	●	●				●	●
ELDV0	●	●	PER REQUEST			●	●
TSERIES			●			●	●
ELDDW	●		●			●	●
DALI	●	●	●			●	
DMX	●		●		●	PER REQUEST	PER REQUEST
POEM			PER REQUEST	PER REQUEST	PER REQUEST	●	●
POEI			PER REQUEST	PER REQUEST	PER REQUEST	●	●
POEN			PER REQUEST	PER REQUEST	PER REQUEST	●	●

● - Indicates compatibility
*Standard lamping (STD) - MIN/LOW/MED/HI

[20]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

[21]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.

PHOTOMETRICS

OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC)[22] (0°- 180°) (90°- 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
CR/ASY[23]		2 - 2.5 ft RECOMMENDED DISTANCE FROM WALL		1.14 1.30	1328	1300
CR/BAT		6 ft	18.6	1.22 1.7	801	1200
		8 ft	10.4			
		10 ft	6.7			
		12 ft	4.6			
		14 ft	3.4			
		16 ft	2.6			
CR/AG		6 ft	39.6	.8 1.12	1424.7	1300
		8 ft	22.3			
		10 ft	14.2			
		12 ft	9.9			
		14 ft	7.3			
		16 ft	5.6			
CR/S		6 ft	25.8	1.16 1.2	927	1250
		8 ft	14.5			
		10 ft	9.3			
		12 ft	6.4			
		14 ft	4.7			
		16 ft	3.6			

*Photometric calculations based on MAX 4000K 80 CRI fixture combination. Actual results may vary in the field.
For footcandle and output multipliers refer to the ALW IES File Multipliers Chart.

[22]Spacing 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).

[23]Recommended distance from wall calculated at 10ft mounting height

ADDITIONAL OPTIONS & SPECIFICATIONS

LED PERFORMANCE

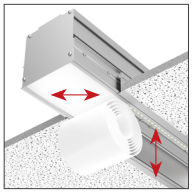
> 54,000 hours at 70% lumen maintenance, LM80 / TM-21

HOUSING

100% recyclable, extruded architectural grade 6063 aluminum with a 0.09” minimum wall thickness.

CONTROLROLL LENS OPTICS

The optically engineered ControlRoll lens provides smooth, uniform, and seamless illumination for linear lengths of 250' while dynamically controlling output and reducing glare. The ControlRoll lens rolls out and snaps into the housing channel for easy installation.



SAFETY & REGULATORY

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. EldoLED drivers can conform to IEEE P1789 Flicker Standard: ‘IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers .

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.
For integral driver, Conforms to UL std. 1598 luminaires,
For remote driver, Conforms to UL std. 2018 luminaires.
Certified to CSA std. C22.2#250.0:2008 Ed. 3+G1;G2.

WARRANTY

Limited 5-year warranty. Details: alw-inc.com/warranty

OPERATING TEMPERATURE

Luminaire should be installed and operated ONLY in dry 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.

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, nLight, Cooper Wavelinx, eldoLED, Molex PoE, NuLEDS PoE, Igor PoE, 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.

WEIGHT

Approximately 3.4lbs. per linear foot.Weight may vary depending on additional options selected.

CHICAGO PLENUM

Recessed fixtures for this product family are available to meet Chicago Plenum certification.