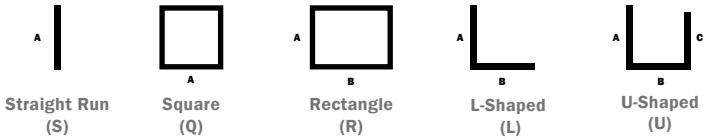
LIGHTPLANE+ 2

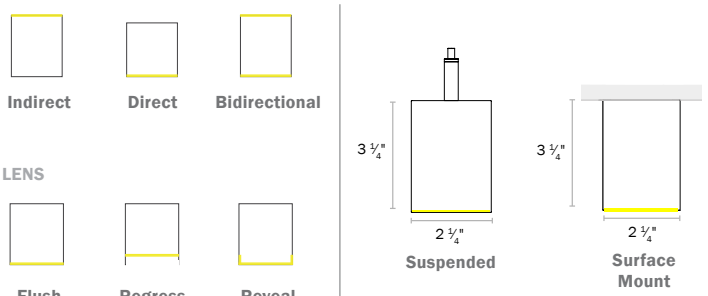
LPX2 | SUSPENDED, WALL, SURFACE

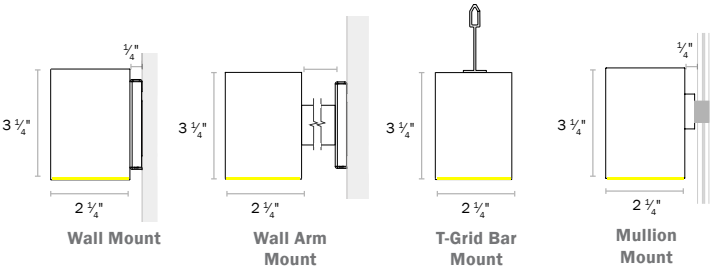
SPECIFICATIONS

PROFILE	2" Aperture, 3 1/4" height
SIZES	Individual/Straight Run sections starting at 2ft. Continuous runs & shapes
LED OUTPUT	350lm/ft - 1,500lm/ft, up to 169 lm/ft
CCT/CRI	2700K/3000K/3500K/4000K/5000K • 80 or 90+ CRI Tunable White (2700K – 6500K) • RGB and RGB+W
DIMMING/ DRIVER	Integral and Remote Driver: 0-10V, Phase, DALI, DMX, eldoLED, Lutron®, PoE (Molex, NuLEDS, WTEC Smartengine). Dimming to 0% for select models.
EMBEDDED CONTROLS	Acuity nLight, Avi-on, Casambi, Cooper Wavelinx, Encelium, Enlighted, Lutron Athena, Lutron Vive, NX Controls, Wattstopper, and more.
POWER	3W - 12.2W per ft
INPUT	120VAC, 277VAC, or 347VAC
OPTICS	**Direct/Indirect:** Lambertian, Low Glare (UGR < 16), Asymmetric, Widespread | **Indirect only:** Over optic, Batwing
LENS	Standard Snap-in & ControlRoll Flush, Regressed, Reveal
FINISHES	16 powder coat finishes - Custom finishes also available
MATERIAL	6063-T6 Extruded Aluminum, See Declare listing here
ENVIRONMENT	Dry or damp locations
WARRANTY	11 years
WELL/UGR	See ALW WELL and BIOS pages for recommended options that contribute to meeting the WELL Building Standard™

DISTRIBUTIONS & PROFILES







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

QuickShip · cULus LISTED · PoE Ready · bios · Declare.

ALW

PRODUCT SPECIFICATION SHEET

LPX 2	—	—	—	—	—	—	—	—	—	—	DC —
1 2 3 4 5 6	7	8	9 10 11 12	13 14 15 16 17	18	19	20 21	22	23	24	25 26

EXAMPLE: LPX2BSPFO — S8 — 053090SLV00 — 053090SLV00 — SW — C04 — 1C — UNV — EMC/2 — N — N — DC — QS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

1. FAMILY

QS ☑ **LPX** Lightplane*

2. SIZE

QS ☑ **2** 2”

3. MODEL (CHOOSE 1)

- QS ☐ **D** Direct only
- QS ☐ **I** Indirect only
- QS ☐ **B** Bidrectional

*Total fixture body height varies based on lens and model type combinations. Refer to ‘Total Body Height Dimensions” table on page 5 for exact dimensions.

4. MOUNTING (CHOOSE 1)

- QS ☐ **SP** Suspended
- QS ☐ **SM**[1] Surface Mount
- QS ☐ **WM** Wall Mount
- ☐ **AR** Arm Mount
- ☐ **MM** Mullion Mount
- ☐ **TB**[1] T-Bar (Mounts to bottom of T-Grid)

[1]Direct (D) model only

5. LENS TYPE - DIRECT (CHOOSE 1)

- QS ☐ **N** Choose for Indirect Only
- QS ☐ **F** Flush Lens
- ☐ **R** Regress Lens (3/4”)
- ☐ **V** Reveal Lens (1/2” Drop)
- ☐ **C** ControlRoll Flush Lens*

*Select for Widespread & Asymmetric Optics

6. LENS TYPE - INDIRECT (CHOOSE 1)

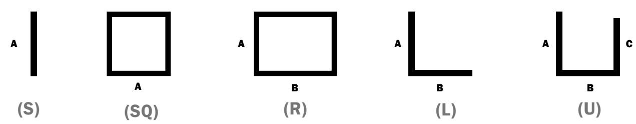
- QS ☐ **N** Choose for Direct Only
- QS ☐ **O** Over Optic
- ☐ **V** Reveal Lens (1/2” Rise)

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

- QS ☐ **S__** Individual/Straight Run Section *(enter length in product code above, ex. S18)*
- QS ☐ **Q__** Square Configuration *(enter side length A, ex: Q18)*
- QS ☐ **R__/__** Rectangular Configuration *(enter side lengths A and B, ex. R12/24)*
- QS ☐ **L__/__** L-Shaped Configuration *(enter side lengths A and B, ex. L12/24)*
- QS ☐ **U__/__/__** U-Shaped Configuration *(enter side lengths A, B, and C, ex. U12/12/24)*

*To qualify for QS, all corners of shape must be 90°, same plane

*Lengths greater than 8' consist of multiple individual housing sections joined together. 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).

8. LUMENS - DIRECT* (CHOOSE 1)

- QS ☐ **N** No Direct Lighting
- QS ☐ **03** 350lm/ft
- QS ☐ **05** 500lm/ft
- QS ☐ **07** 750lm/ft
- QS ☐ **10** 1000lm/ft
- QS ☐ **12** 1200lm/ft
- ☐ **15**[2] 1500lm/ft
- ☐ **RB** RGB
- ☐ **RW** RGB + 3500K White, 80CRI
- ☐ **BS/____**[3] BIOS Static, 80CRI
- ☐ **BD/____**[3] BIOS Dynamic, 80CRI
- ☐ **CM/____**[4] Custom Lumens. *Write in your lumens/ft (ex: 0100 = 100lm/ft).*

*For delivered lumens and watts, see ‘Performance Details’
[2]1500lm/ft option only available with Control Roll lenses
[3]Write in desired lm/ft. Static BIOS SkyBlue® 490nm LED is always on. Dynamic BIOS SkyBlue® 490nm LED can be tuned out with most LED driver/dimmer combinations.
[4]Custom lumens available from 100 - 1500lm/ft

9. CCT - DIRECT (CHOOSE 1)

- QS ☐ **N** Choose for RB, RW, BO, or no Direct lighting
- ☐ **27**[5] 2700K
- QS ☐ **30** 3000K
- QS ☐ **35** 3500K
- QS ☐ **40** 4000K
- ☐ **50**[6] 5000K
- ☐ **TW**[7] Tunable White, 90CRI, 2700K - 6500K

[5]2700K only available in 90CRI
[6]5000K only available in 80CRI
[7]Tunable White (TW) not available with BIOS. BIOS has its own tunable white option to be specified by request.

10. CRI - DIRECT (CHOOSE 1)

- QS ☐ **N** Choose for RB, RW, TW or no Direct Lighting
- QS ☐ **80** 80
- QS ☐ **90** 90

11. OPTICS - DIRECT *(CHOOSE 1)

- QS ☐ **N** No Direct Lighting
- QS ☐ **SL**[8] Standard Lambertian
- QS ☐ **LG**[8] Low Glare

CONTROLROLL LENS ONLY

- ☐ **AL**[9] Asymmetric Left (outside of shape)
- ☐ **AR**[9] Asymmetric Right (inside of shape)
- ☐ **WS** Widespread

*See LEED + WELL guide for optic/output combos that fall under standard UGR and intensity levels
[8]Regress (R) lens is only available with Low Glare (LG) and Standard Lambertian (SL) lens types. See page 4 for LED Optics Compatibility
[9]See page 4 for explanation of Asymmetric lens specification

12. DRIVER - DIRECT* (CHOOSE 1)

- QS ☐ **N** None
- QS ☐ **V00** 0-10V, dim to 0%
- QS ☐ **V01** 0-10V, dim to 1%
- ☐ **LDE** Lutron LDE1 Ecosystem, dim to 1%
- ☐ **P01**[10] ELV/TRIAC phase dim to 1%
- ☐ **TSE**[11] Lutron T-Series Driver
- ☐ **ELO** eldoLED, 0-10V dim to 0%
- ☐ **DAL** DALI, dim to 0%
- ☐ **DMX**[12] DMX, dim to 0%
- ☐ **POE**[13] POE Ready
- ☐ **CM**[14] Custom driver

*See ‘Driver’ and lamping charts for driver details
[10]Phase dim drivers are 120 VAC only
[11]For Tunable White (TW) CCT only
[12]DMX option is only Declare classified, not Red List Free
[13]Contact ALW with the PoE spec details
[14]Contact ALW for custom driver specifications

13. LUMENS - INDIRECT* (CHOOSE 1)

- QS ☐ **N** No Indirect Lighting
- QS ☐ **03** 350lm/ft
- QS ☐ **05** 500lm/ft
- QS ☐ **07** 750lm/ft
- QS ☐ **10** 1000lm/ft
- QS ☐ **12** 1200lm/ft
- ☐ **RB** RGB
- ☐ **RW** RGB + 3500K White, 80CRI
- ☐ **BS/____**[15] BIOS Static, 80CRI
- ☐ **BD/____**[15] BIOS Dynamic, 80CRI
- ☐ **CM/____**[16] Custom Lumens. *Write in your lumens/ft (ex: 0100 = 100lm/ft).*

*For delivered lumens and watts, see ‘Performance Details’
[15]Write in desired lm/ft. Static BIOS SkyBlue® 490nm LED is always on. Dynamic BIOS SkyBlue® 490nm LED can be tuned out with most LED driver/dimmer combinations.
[16]Custom lumens available from 100 - 1200lm/ft

14. CCT - INDIRECT (CHOOSE 1)

- QS ☐ **N** Choose for RB, RW, BO, or no Indirect Lighting
- ☐ **27**[17] 2700K
- QS ☐ **30** 3000K
- QS ☐ **35** 3500K
- QS ☐ **40** 4000K
- ☐ **50**[18] 5000K
- ☐ **TW**[19] Tunable White, 90CRI, 2700K - 6500K

[17]2700K only available in 90CRI
[18]5000K only available in 80CRI
[19]Tunable White (TW) not available with BIOS. BIOS has its own tunable white option to be specified by request.

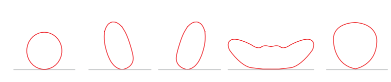
15. CRI - INDIRECT (CHOOSE 1)

- QS ☐ **N** Choose for RB, RW, TW, or no Indirect lighting
- QS ☐ **80** 80
- QS ☐ **90** 90

16. OPTICS - INDIRECT (CHOOSE 1)

- QS ☐ **N** No Indirect Lighting
- QS ☐ **SL** Standard Lambertian
- QS ☐ **AL**[20] Asymmetric Left (outside of shape)
- QS ☐ **AR**[20] Asymmetric Right (inside of shape)
- QS ☐ **BW** Batwing
- QS ☐ **WS** Widespread

[20]See page 4 for explanation of Asymmetric lens specification



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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ALW

PRODUCT SPECIFICATION SHEET CONT'D

17. DRIVER - INDIRECT* (CHOOSE 1)

QS ☐ **N** None
QS ☐ **V00** 0-10V, dim to 0%
QS ☐ **V01** 0-10V, dim to 1%
☐ **LDE** Lutron LDE1 Ecosystem, dim to 1%
☐ **P01**[21] ELV/TRIAC phase dim to 1%
☐ **TSE**[22] Lutron T-Series Driver
☐ **ELO** eldoLED, 0-10V dim to 0%
☐ **DAL** DALI, dim to 0%
☐ **DMX**[23] DMX, dim to 0%
☐ **POE**[24] POE Ready
☐ **CM**[25] Custom driver

*See 'Driver' and lamping charts for driver details
[21]Phase dim drivers are 120 VAC only
[22]For Tuneable White (TW) CCT only
[23]DMX option is only Declare classified, not Red List Free
[24]Contact ALW with the POE spec details
[25]Contact ALW for custom driver specifications

18. 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 7 for premium finishes. Manually type in the finish code (Ex: OB = Oil-Rubbed Bronze)

SPECIAL ORDER FINISHES*
☐ **RAL____** Specify RAL Classic Color (Ex: RAL 3003)
☐ **CCM____** Custom Color Match

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

19. MOUNTING DETAILS (CHOOSE 1)

QS ☐ **N** None. Choose for SM, WM, MM, AR & TM
QS ☐ **B04**[26] Black Cord, 4ft
QS ☐ **W04**[26] White Cord, 4ft
QS ☐ **B16**[26] Black Cord, 16ft
QS ☐ **W16**[26] White Cord, 16ft
☐ **C04** Clear Braided Cord, 4ft
☐ **C16** Clear Braided Cord, 16ft
☐ **RS__**[27] Rigid Stem, choose length

[26]Black Cords Red List Approved, White Cords Declared
[27]Rigid Stem (RS) length limit 1 - 8ft, 1ft increments

20. CONTROL TYPE*

QS ☐ **1C** Single Control
(Choose for Direct, Indirect, or Bidirectional illumination. D+I controlled together for Bidirectional)
QS ☐ **2C** Independent Control
(Choose for Bidirectional illumination. D & I controlled independently)

*Contact ALW for adding additional zones, separated zones/circuits, etc

21. VOLTAGE (CHOOSE 1)

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

22. EMERGENCY CIRCUITS (OPTIONAL)

QS ☐ **N** None
QS ☐ **EMC/__**[28] Emergency power feed whip for connection to remote Generator Transfer Devices *(Specify 1x for every 4ft or contact ALW for longer runs)*
QS ☐ **EMB/__** 10W Integral Emergency Battery *(Specify 1x for every 4ft of emergency lighting)*
☐ **GTD/__** Integral Generator Transfer *Device/Switch Bypass - 3A (Specify 1x for every 4ft)*
☐ **ALC/__** Integral Automated Load Control Relay - 10A *(Specify 1x for every 4ft or contact ALW for longer runs)*

*Emergency Battery options are direct lighting only
[28]No EM components provided. Choose None when designating entire fixture for EMC. When 4ft EMC sections are chosen, the power whip will be labeled as an EMC whip.

23. CONTROL OPTIONS* (OPTIONAL)

QS ☐ **N** None

FACTORY CONTROLS
QS ☐ **OS/PH/INT/__** Integral Occupancy/ Daylight sensor
QS ☐ **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

24. ADDITIONAL OPTIONS - A (OPTIONAL)

QS ☐ **N** None
☐ **SB** Seismic Bracing
(Suspended mount, non-stem only)

25. ADDITIONAL OPTIONS - B* (INCLUDED)

QS ■ **DC** Living Building Challenge Declared or Red List Approved

*See Declare page for LP+ Declare listing

26. QUICKSHIP OPTIONS

QS ☐ Select if you want your fixture to be QS

Note: To be eligible for the Quickship (QS) program, all previous selected options must also be marked QS

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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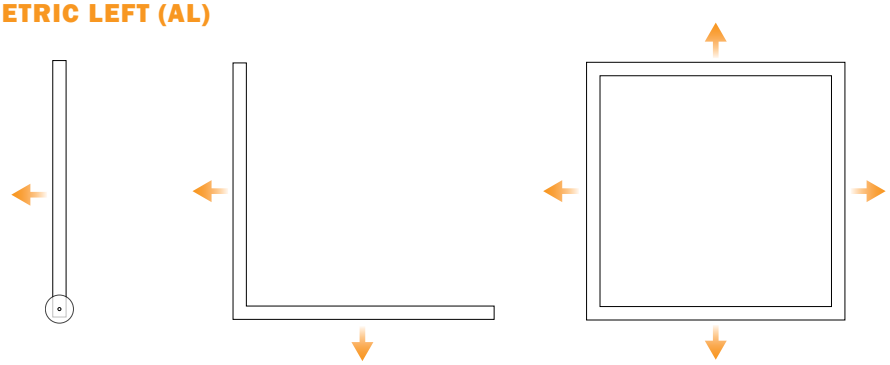
LENS & OPTICS

		OPTICS				
		STANDARD LAMBERTIAN (SL)	LOW GLARE (LG)	ASYMMETRIC (AL, AR)	WIDESPREAD (WS)	BATWING (BAT)
LENS TYPES	FLUSH (F)	●	●			
	CONTROLROLL FLUSH (C)	●	●	●	●	
	REGRESSED (R)	●	●			
	REVEAL (V)	●				
	OVER OPTIC (O)	●	●	●	●	●

ASYMMETRIC LEFT (AL)

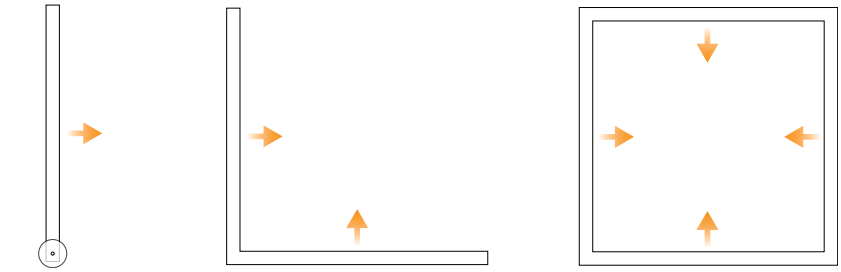


Straight Sections
Light is thrown to left of the powerfeed
(Can be reconfigured in field)

Shapes
Light is thrown outside the shape
(Cannot be reconfigured in the field because of mitered cuts)

Note: For unique applications, mark up the submittal drawings for desired asymmetric light throw.

ASYMMETRIC RIGHT (AR)

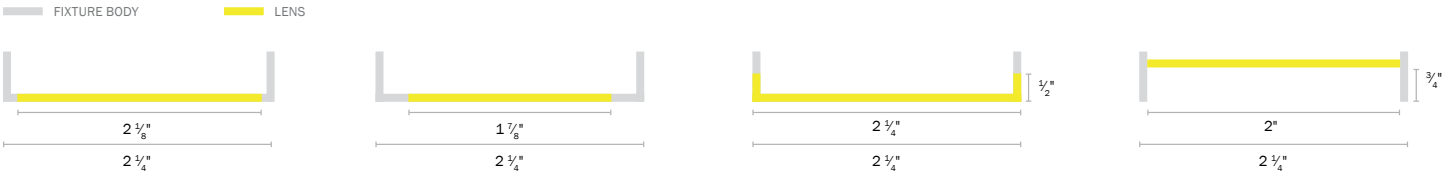


Straight Sections
Light is thrown to right of the powerfeed
(Can be reconfigured in field)

Shapes
Light is thrown inside the shape
(Cannot be reconfigured in the field because of mitered cuts)

LENS DETAILS

Applicable to all models



F
FLUSH

C
CONTROL ROLL FLUSH

V
REVEAL LENS

R
REGRESS LENS

BODY DIMENSIONS

Total fixture body height (H) will vary based on Model and Lens Type combination. Use table below to configure the correct dimensions for your desired specification.

MODEL

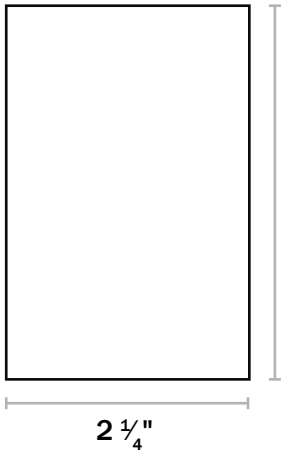
- **I** Indirect Only
- **D** Direct Only
- **B** Bidirectional

LENS TYPE

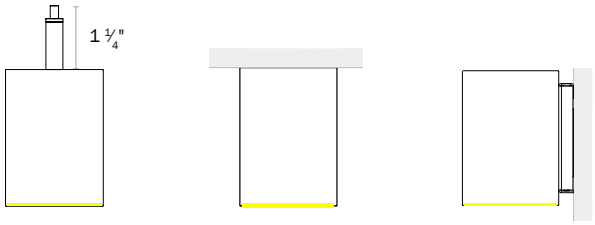
- **N** None
- **F** Flush
- **R** Regress
- **C** Control Roll Flush
- **V** Reveal
- **O** Over Optic

MODEL	Direct	Indirect	Direct/ Indirect	Body Height (H)
I	N	O	N/O	4
I	N	V	N/V	4.5
D	F	N	F/N	3.17
D	R	N	R/N	3.92
D	C	N	C/N	3.17
D	V	N	V/N	3.67
B	F	V	F/V	4.5
B	F	N	F/N	4
B	F	O	F/O	4
B	R	N	R/N	4.75
B	R	O	R/O	4.75
B	R	V	R/V	5.25
B	V	N	V/N	4.5
B	V	O	V/O	4.5
B	V	V	V/V	5
B	C	N	C/N	4
B	C	O	C/O	4
B	C	V	C/V	4.5

MOUNTING DETAILS



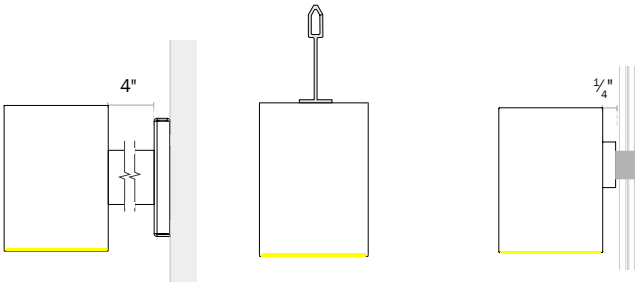
H"
Total fixture body height varies based on lens and model type combination. Refer to table on the left for exact dimensions.



SP
SUSPENDED

SM
SURFACE MOUNT

WM
WALL MOUNT



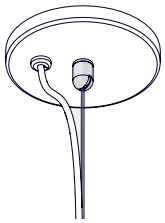
AR
WALL ARM MOUNT

TB
T-GRID BAR MOUNT

MM
MULLION MOUNT

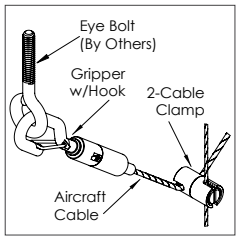
Rev 010725

SUSPENSION MOUNTING OPTIONS



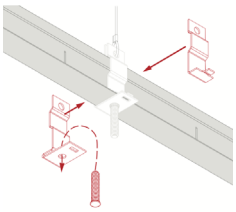
INCLUDED CEILING HARDWARE

- 4.5" canopy per power feed location. Canopy finish is always white. Contact ALW for alternate colors
- 2” canopy per non-powered suspension point
- 4’ or 16’ aircraft cable specifiable (or rigid stem length as specified)
- Bullet mount



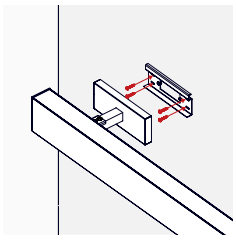
SEISMIC BRACING (SB)

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



T-BAR MOUNTING HARDWARE

T-bar caddy clips provided to fit most 9/16” or 15/16” support beams



WALL-ARM MOUNTING HARDWARE

Provided Canopy for 2”x4” J-box and non-powered arm-mount locations locations

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 - STANDARD LENSES

OUTPUT OPTION	OPTIC TYPE	DELIVERED LUMENS/FT *DIRECT*	DELIVERED LUMENS/FT *INDIRECT*	EFFICACY (LM/W) *DIRECT*	EFFICACY (LM/W) *INDIRECT*	WATTS/FT[29] *DIRECT/ INDIRECT*	CRI OPTIONS	CCT OPTIONS
03[30]	SL	359	348	119	169	3 2.1	80+ 90+	2700K 3000K 3500K 4000K 5000K
	V	318	220	106	107			
	BAT	N/A	363	N/A	176			
	WS	N/A	372	N/A	181			
	LG	416	N/A	138	N/A			
	SL (Regress)	369	N/A	123	N/A			
	LG (Regress)	306	N/A	102	N/A			
05[30]	SL	511	503	117	167	4.4 3		
	V	453	318	104	106			
	BAT	N/A	524	N/A	174			
	WS	N/A	538	N/A	179			
	LG	593	N/A	136	N/A			
	SL (Regress)	526	N/A	121	N/A			
	LG (Regress)	435	N/A	100	N/A			
07[30]	SL	764	716	122	165	6.3 4.4		
	V	678	453	108	104			
	BAT	N/A	746	N/A	172			
	WS	N/A	766	N/A	176			
	LG	887	N/A	141	N/A			
	SL (Regress)	787	N/A	125	N/A			
	LG (Regress)	651	N/A	104	N/A			
10[30]	SL	1008	1013	112	162	9 6.3		
	V	894	641	99	102			
	BAT	N/A	1055	N/A	168			
	WS	N/A	1083	N/A	173			
	LG	1170	N/A	130	N/A			
	SL (Regress)	1038	N/A	115	N/A			
	LG (Regress)	859	N/A	95	N/A			

[29] *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%.*

[30] *Performance calculations are based on LM-79 test of 1200lm output at 80 CRI and 3500K. All other output calculations are extrapolated values.*

PERFORMANCE DETAILS - STANDARD LENSES CONT'D

OUTPUT OPTION	OPTIC TYPE	DELIVERED LUMENS/FT *DIRECT*	DELIVERED LUMENS/FT *INDIRECT*	EFFICACY (LM/W) *DIRECT*	EFFICACY (LM/W) *INDIRECT*	WATTS/FT[29] *DIRECT/ INDIRECT*	CRI OPTIONS	CCT OPTIONS
12[30]	SL	1204	1216	110	159	11 7.7	80+ 90+	2700K 3000K 3500K 4000K 5000K
	V	1068	769	97	101			
	BAT	N/A	1266	N/A	166			
	WS	N/A	1300	N/A	170			
	LG	1398	N/A	127	N/A			
	SL (Regress)	1240	N/A	113	N/A			
	LG (Regress)	1026	N/A	94	N/A			
TUNE	SL (Warm White)	921	1151	65	81	14.2	90	2700K - 6500K
	SL (Cool White)	977	1221	69	86			
RGB[31]	SL	184	230	39	49	4.7	N/A	
RGBW[31]	SL	W: 177 RGB: 184	W: 177 RGB: 184	53	67	6.8	W: 80 CRI	W: 3500K

[29] *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%.*

[30] *Performance calculations are based on LM-79 test of 1200lm output at 80 CRI and 3500K. All other output calculations are extrapolated values.*

[31] *Performance calculations are derived from LM-79 test with all RGB LEDs illuminated (Red, Green, Blue) and White LED only illuminated*

PERFORMANCE DETAILS - CONTROLROLL

OUTPUT OPTION	OPTIC TYPE	DELIVERED LUMENS/FT	EFFICACY (LM/W)	WATTS/FT[32]	CRI OPTIONS	CCT OPTIONS
03[33]	SL	357	134	2.7	80+ 90+	2700K 3000K 3500K 4000K 5000K
	WS	394	148			
	AL	425	160			
	LG	395	149			
05[33]	SL	505	133	3.8		
	WS	559	147			
	AL	602	158			
	LG	560	147			
07[33]	SL	771	131	5.9		
	WS	853	145			
	AL	918	156			
	LG	855	145			
10[33]	SL	1028	129	8		
	WS	1137	143			
	AL	1224	153			
	LG	1140	143			
12[33]	SL	1210	127	9.5		
	WS	1338	141			
	AL	1440	152			
	LG	1341	141			
15[33]	SL	1516	125	12.2		
	WS	1676	138			
	AL	1804	148			
	LG	1681	138			
TUNE	SL (Warm White)	1044	74	14.2	90	2700K - 6500K
	SL (Cool White)	1108	78			
RGB[34]	SL	209	44	4.7	N/A	
RGBW[34]	SL	209	31	6.7	W: 80 CRI	W: 3500K

[32]*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%.*
[33]*Performance calculations are based on LM-79 test of 600lm output at 80 CRI and 3500K. All other output calculations are extrapolated values.*
[34]*Performance calculations are derived from LM-79 test with all RGB LEDs illuminated (Red, Green, Blue) and White LED only illuminated*

TM-30-18 DETAILS (90 CRI LAMPING)

CCT	CRI (Ra)	CRI (R9)	TM-30 Rf	TM-30 Rg	Duv
2700K	94	56	92	100	-0.0009
3000K	94	59	92	100	-0.0013
3500K	94	64	92	100	-0.0005
4000K	94	66	92	100	-0.0004

DRIVERS

PRODUCT CODE	DESCRIPTION
V00	0-10V dimming down to 1% with electronic dim-to-off (0%).
V01	0-10V dimming down to 1%.
LDE	Lutron Hi-lume (LDE1) 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology.
P01	TRIAC Forward Phase 2-Wire and ELV Reverse Phase 3-Wire hybrid LED driver. Dimming down to 1%. 120VAC only.
EL0	EldoLED 0-10V SOLODrive 0.1% dimming with electronic dim-to-off (0%).
TSE	Lutron T-Series (PSQ0) 1% 2-channel tunable white driver (For use with Lutron Quantum Control Systems).
DAL	DALI flicker-free dimming down to 1% with electronic dim-to-off (0%).
DMX	DMX flicker-free dimming down to 0%.
POE/READY	Specify a PoE driver of your choice. Fixture supplied with low voltage leads and no LED driver. Contact ALW to register 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 to specify a compatible solution of your choice.

DRIVER/LED LAMPING COMPATIBILITY						
	STD	STD/BIOS	TUNE*	RGB OR RGBW	CA TITLE 24 JA8/JA10[35]	IEEE P1789 & HD TV STUDIO[36]
V00	●	●	●		●	
V01	●	●	●		●	
LDE	●	●			●	●
P01	●	●			●	
EL0	●	●	●		●	●
TSE			●		●	●
DALI	●	●	●		●	
DMX	●	●	●	●	PER REQUEST	PER REQUEST
POE/READY	PER REQUEST					

*ELO with TUNE Lamping will include an EldoLED DUALDrive 0-10V Tunable White LED Driver.

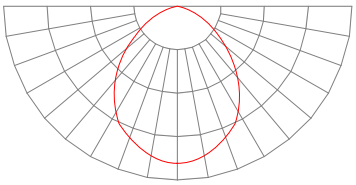
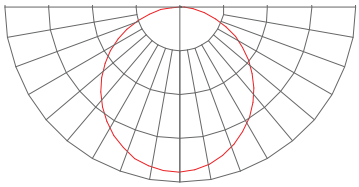
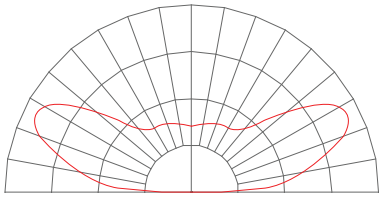
● - Indicates compatibility

*Standard lamping (STD) - 350 - 1500 lm/ft

[35] Fixtures specified with 90CRI 2700K, 3000K, 3500K, 4000K. and 5000K lamping with applicable LED drivers have the ability to conform to California Title 24 JA8 and JA10 Appendices

[36] 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 - STANDARD LENSES

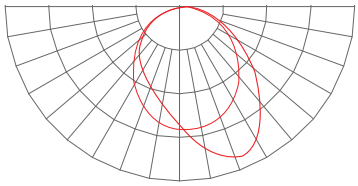
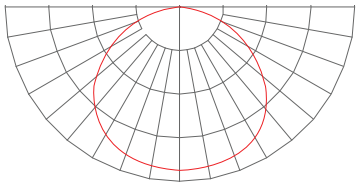
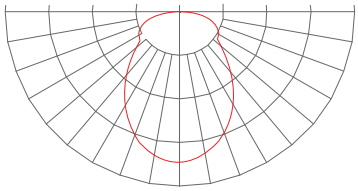
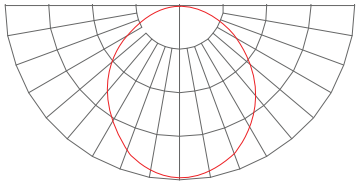
OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC)[37] (0°- 180°) (90°- 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
LG		6 ft	18.4	1.20 1.14	619.4	1398
		8 ft	10.3			
		10 ft	6.6			
		12 ft	4.6			
		14 ft	3.4			
		16 ft	2.6			
SL		6 ft	11.9	1.24 1.24	428.8	1204
		8 ft	6.7			
		10 ft	4.3			
		12 ft	3.0			
		14 ft	2.2			
		16 ft	1.7			
BW[38]		2 ft	44	2.36 1.26	458.3	1230
		3 ft	19.6			
		4 ft	11.0			
		5 ft	7			
		10 ft	1.8			

*Photometric calculations based on 1200lm 3500K 80 CRI fixture combination. Actual results may vary in the field.
For footcandle and output multipliers refer to the ALW Lightplane+ IES File Multipliers Chart

[37]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).

[38]Batwing (BW) mounting height refers to *distance from ceiling* since BW optic is only offered in indirect output

PHOTOMETRICS - CONTROLROLL

OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC)[39] (0°- 180°) (90°- 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
AL		6 ft	19	1.18 1.48	784.5	1804
		8 ft	10.7			
		10 ft	6.9			
		12 ft	4.8			
		14 ft	3.5			
		16 ft	2.7			
WS		6 ft	16	1.4 1.2	578.6	1676
		8 ft	9			
		10 ft	5.8			
		12 ft	4			
		14 ft	2.9			
		16 ft	2.3			
LG		6 ft	20.7	1.02 1.14	745.8	1681
		8 ft	11.7			
		10 ft	7.5			
		12 ft	5.2			
		14 ft	3.8			
		16 ft	2.9			
SL		6 ft	16.1	1.22 1.20	579.6	1516
		8 ft	9.1			
		10 ft	5.8			
		12 ft	4			
		14 ft	3			
		16 ft	2.3			

*Photometric calculations based on 1ft length, 1500lm, 3500K, 80 CRI fixture combination. Actual results may vary in the field.
For footcandle and output multipliers refer to the ALW Lightplane+ IES File Multipliers Chart

[39]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).

ADDITIONAL OPTIONS & SPECIFICATIONS

LED PERFORMANCE

80 CRI | L70 Calculated Hours: 180,000hrs
L80 Calculated Hours: 119,000hrs

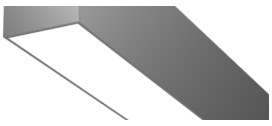
90 CRI | L70 Calculated Hours: 171,000hrs
L80 Calculated Hours: 108,000hrs

HOUSING

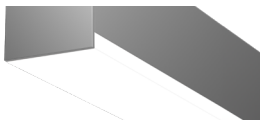
100% recyclable, extruded architectural grade 6063 aluminum with a 0.09" minimum wall thickness.

LENS & OPTICS

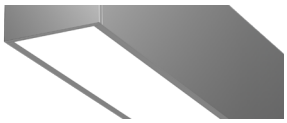
ALW offers four different lens types: Flush, ControlRoll Flush, Reveal and Regressed. A wide range of optics are available including, Lamberian, Asymmetric, Low Glare, and Widespread. See page 4 for the Lens & Optics Compatibility chart.



F
STANDARD FLUSH

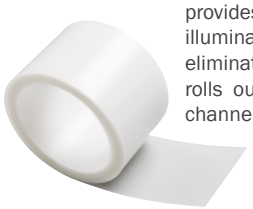


V
REVEAL



C
CONTROLROLL FLUSH

R
REGRESSED



The optically engineered ControlRoll lens provides smooth, uniform, and seamless illumination for linear lengths of 250' to eliminated lens gaps. ControlRoll lens rolls out and presses into the housing channel for easy installation.

SAFETY & REGULATORY

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.

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 and Lutron conform to IEEE P1789 Flicker Standard: 'IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers.

DECLARE

All LightPlane+ models are Declared and Red List Approved. Declare Label is a comprehensive product transparency platform designed to empower manufacturers, designers, and consumers with detailed information about the ingredients and environmental impact of building products. Managed by the International Living Future Institute (ILFI), the platform provides a standardized "nutrition label" for products, disclosing material content, sourcing details, and the end-of-life potential. This initiative supports the Living Building Challenge by promoting sustainable and healthy materials, facilitating informed choices in the architecture and construction industries, and fostering transparency and accountability in the manufacturing process.

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.

WEIGHT

Approximately 2lbs. per linear foot. Weight may vary depending on additional options selected.

EMERGENCY OPTIONS

Emergency options are available for various applications including 10W Emergency Batteries (EMB), EMC circuits (EMC), Generator Transfer Devices (GTD), and Automated Load Control Relays (ALC). Contact ALW for emergency component spec sheets.

EMBEDDED CONTROLS, SENSORS, & OEM COMPONENTS

ALW lighting fixtures are intended for use with a wide range of embedded OEM components (control devices, occupancy and photocell sensors, LED drivers) for use with specified building management systems. Our component portfolio is continually expanding to adopt to the latest technologies and specification needs.

ALW is your embedded controls partner, supporting integration with Acuity, Avi-on, Casambi, Cooper Wavelinx, Encelium, Enlighted, Lutron, NX Controls, Wattstopper, eldoLED, Philips, Molex PoE, NuLEDs PoE, WTEC Smartengine PoE, and more. If there's a component or system required that you don't see on the spec sheet please contact ALW customer support today so we can review your requirements.