



LIGHTPLANE+ 1

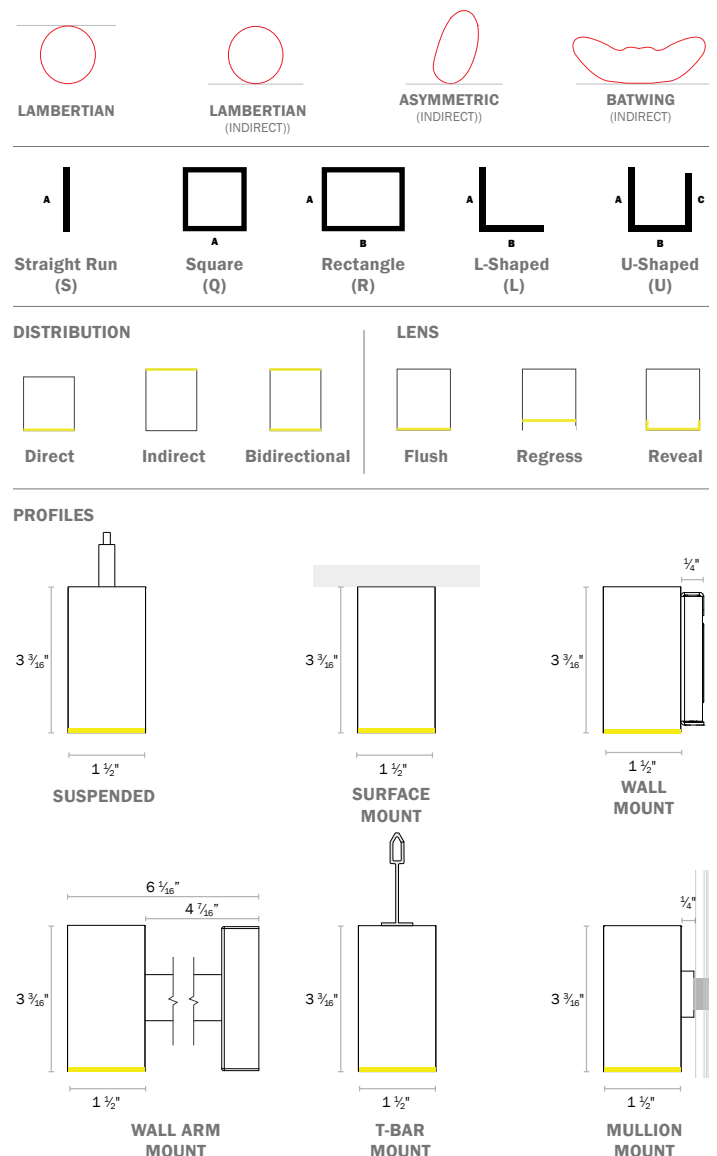
LPX1 | SUSPENDED, WALL, SURFACE



SPECIFICATIONS

PROFILE	1 1/2" Aperture, 3 3/16" Height (Shortest height listed above. See mechanical diagrams for other heights)
LENGTHS	Build-to-Order: Individual/Continuous Lengths Shapes/Patterns
LED OUTPUT	350 - 1,200lm/ft, up to 169 lm/W
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, Lutron Athena, Lutron Vive, NX Controls, Wattstopper, and more
POWER	2.1W - 12.2W per ft
INPUT	120VAC, 277VAC, or 347VAC
OPTICS	Direct: Lambertian (additional optics coming soon) Indirect: Asymmetric, Batwing
LENS	Standard Press Fit Lens in Flush, Regressed, and Reveal
FINISHES	16 powder coat finishes. RAL and 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 & 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





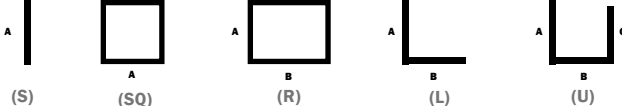
PRODUCT SPECIFICATION SHEET

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
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EXAMPLE: LPX1BSPFO — 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
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1. FAMILY	2. SIZE	3. MODEL* (CHOOSE 1)	4. MOUNTING (CHOOSE 1)	5. LENS TYPE - DIRECT (CHOOSE 1)
QS LPX Lightplane*	QS 2 1"	QS D Direct only QS I Indirect only QS B Bidirectional *Total fixture body height varies based on lens and model type combinations. Refer to 'Body Dimensions' table on p. 5 for exact dimensions.	QS SP Suspended QS SM ¹ Surface Mount QS WM Wall Mount QS AR Arm Mount QS MM Mullion Mount QS TB ¹ T-Bar (Mounts to bottom of T-Grid) ¹Direct (D) model only.	QS N Choose for Indirect Only QS F ² Flush Lens QS R ² Regress Lens (3/4") QS V ² Reveal Lens (1/2" Drop) ²Available in Lambertian (SL) Optic only.

6. LENS TYPE - INDIRECT (CHOOSE 1)	7. SHAPE/LENGTH* (CHOOSE 1 & ENTER LENGTH IN FEET) - FOR CUSTOM ANGLES, CONTACT ALW	8. LUMENS - DIRECT* (CHOOSE 1)
QS N Choose for Direct Only QS O Over Optic QS V ³ Reveal Lens (1/2" Rise) QS F ³ Flush lens ³Available in Lambertian Optics only.	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 ⁴Lengths 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. ⁵ALW regularly builds simple and complex mitered patterns not shown above. Contact ALW and provide a RCP with your layout to get started.	QS N No Direct Lighting QS O3 350lm/ft QS O5 500lm/ft QS O7 750lm/ft QS 10 1000lm/ft QS 12 1200lm/ft QS RB RGB QS RW RGB + 3500K White, 80CRI QS BS/_/_/_ ⁴ BIOS Static, 80CRI QS BD/_/_/_ ⁴ BIOS Dynamic, 80CRI QS CM/_/_/_ ⁵ Custom Lumens. Write in your lumens/ft (ex: 0100 = 100lm/ft). ⁴For delivered lumens power, see 'Performance Details' on p. 8. ⁵Write in desired lm/ft (100 - 1200lm/ft). Static BIOS SkyBlue® 490nm LED is always on. Dynamic BIOS SkyBlue® 490nm LED can be tuned off. ⁶Custom lumens available from 100 - 1200lm/ft.
		

9. CCT - DIRECT (CHOOSE 1)	10. CRI - DIRECT (CHOOSE 1)	11. OPTICS - DIRECT* (CHOOSE 1)
QS N Choose for RB, RW, BO, or No Direct lighting QS 27 ⁶ 2700K QS 30 3000K QS 35 3500K QS 40 4000K QS 50 ⁷ 5000K QS TW ⁸ Tunable White, 2700K - 6500K, 90CRI ⁶2700K only available in 90CRI. ⁷5000K only available in 80CRI. ⁸Tunable White (TW) not available with BIOS. BIOS has its own tunable white option to be specified by request.	QS N Choose for RB, RW, TW or No Direct Lighting QS 80 80CRI QS 90 90CRI	QS N None (Choose for No Direct Lighting) QS SL ¹⁰ Standard Lambertian *See LEED + WELL guide for optic/output combos that fall under standard UGR and intensity levels ¹⁰Available in all Lens Types. 

12. DRIVER - DIRECT* (CHOOSE 1)	13. LUMENS - INDIRECT* (CHOOSE 1)	14. CCT - INDIRECT (CHOOSE 1)	15. CRI - INDIRECT (CHOOSE 1)
QS N None QS V00 0-10V, dim to 0% QS V01 0-10V, dim to 1% QS LDE Lutron LDE1 Ecosystem, dim to 1% QS P01 ¹¹ ELV/TRIAC phase dim to 1% QS ELO eldoLED, 0-10V dim to 0% QS DAL DALI, dim to 0% QS DMX ¹² DMX, dim to 0% QS POE ¹³ POE Ready QS CM ¹⁴ Custom driver *See 'LED DRIVERS' on p. 10 for various tables. 'Driver Details' has a full description of each driver spec. 'Driver/LED Compatibility' describes the compatible driver and LED combinations. 'Driver Location' describes the driver location (integral or remote) depending on the LED you choose. ¹¹Phase dim drivers are 120 VAC only ¹²For RGB (RG) and RGBW (RW) LEDs, driver will be provided in a remote driver enclosure as it does not fit in the fixture body. ¹³Luminaire built as a driverless fixture. Contact ALW with your POE node specs and we will provide fixture voltage, current, and wattage details for POE node commissioning. ¹⁴Contact ALW to specify special request 3rd party LED drivers	QS N No Indirect Lighting QS O3 350lm/ft QS O5 500lm/ft QS O7 750lm/ft QS 10 1000lm/ft QS 12 1200lm/ft QS RB RGB QS RW RGB + 3500K White, 80CRI QS BS/_/_/_ ¹⁵ BIOS Static, 80CRI QS BD/_/_/_ ¹⁵ BIOS Dynamic, 80CRI QS CM/_/_/_ ¹⁵ Custom Lumens. Write in your lumens/ft (ex: 0100 = 100lm/ft). *For delivered lumens power, see 'Performance Details' on p. 8. ¹⁵Write in desired lm/ft (100 - 1200lm/ft). Static BIOS SkyBlue® 490nm LED is always on. Dynamic BIOS SkyBlue® 490nm LED can be tuned off. ¹⁶Custom lumens available from 100 - 1200lm/ft	QS N Choose for RB, RW, BO, or No Indirect Lighting QS 27 ¹⁷ 2700K QS 30 3000K QS 35 3500K QS 40 4000K QS 50 ¹⁸ 5000K QS TW ¹⁹ Tunable White, 90CRI, 2700K - 6500K ¹⁷2700K only available in 90CRI. ¹⁸5000K only available in 80CRI. ¹⁹Tunable White (TW) not available with BIOS. BIOS has its own tunable white option to be specified by request.	QS N Choose for RB, RW, TW, or No Indirect Lighting QS 80 80CRI QS 90 90CRI

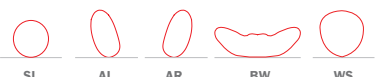
QS = QuickShip-qualifying option. For the entire luminaire configuration to be QuickShip-eligible, ALL options specified in the configuration must be ones notated with "QS". NOTE: Maximum 800 ft. of QuickShip-eligible product per order.



PRODUCT SPECIFICATION SHEET CONT'D

EXAMPLE: LPX1BSPFO — 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

16. OPTICS - INDIRECT (CHOOSE 1)	17. DRIVER - INDIRECT* (CHOOSE 1)	18. FINISH* (CHOOSE 1)	19. MOUNTING DETAILS (CHOOSE 1)
QS N No Indirect Lighting	QS N None	STANDARD FINISHES	QS N None. Choose for SM, WM, MM, AR & TM
QS SL Standard Lambertian	QS V00 0-10V, dim to 0%	QS SW ☐ Satin White	QS B04 ²⁵ Black Cord, 4ft
QS AL ²⁰ Asymmetric Left (outside of shape)	QS V01 0-10V, dim to 1%	QS SB ☐ Satin Black	QS W04 ²⁵ White Cord, 4ft
QS AR ²⁰ Asymmetric Right (inside of shape)	QS LDE Lutron LDE1 Ecosystem, dim to 1%	QS AS ☐ Aluminum Silver Anodized Effect	QS B16 ²⁵ Black Cord, 16ft
QS BW Batwing	P01 ²¹ ELV/TRIAC phase dim to 1%	QS TB ☐ Textured Black	QS W16 ²⁵ White Cord, 16ft
QS WS Widespread	ELO eldoLED, 0-10V dim to 0%	PREMIUM FINISHES	QS C04 Clear Braided Cord, 4ft
²⁰ See page 4 for explanation of Asymmetric lens specification	DAL DALI, dim to 0%	— See chart on page 7 for premium finishes. Manually type in the finish code (Ex: OB = Oil-Rubbed Bronze)	QS C16 Clear Braided Cord, 16ft
	DMX ²² DMX, dim to 0%	SPECIAL ORDER FINISHES*	QS RS __ ²⁶ Rigid Stem. Choose length, 01in - 96in (ex: 06 = 6in)
	POE ²³ POE Ready	RAL ____ Specify RAL Classic Color (Ex: RAL 3003)	
	CM ²⁴ Custom driver	CCM ____ Custom Color Match	

*See 'LED DRIVERS' on p. 10 for various tables. 'Driver Details' has a full description of each driver spec. 'Driver/LED Compatibility' describes the compatible driver and LED combinations. 'Driver Location' describes the driver location (integral or remote) depending on the LED you choose.

²¹Phase dim drivers are 120 VAC only

²²For RGB (RG) and RGBW (RW) LEDs, driver will be provided in a remote driver enclosure as it does not fit in the fixture body.

²³Luminaire built as a driverless fixture. Contact ALW with your POE node specs and we will provide fixture voltage, current, and wattage details for POE node commissioning.

²⁴Contact ALW to specify special request 3rd party LED drivers

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

²⁵Black Cords Red List Approved, White Cords Declared.
²⁶Rigid Stem (RS) length limit 01in - 96in, 1in increments.

WALL MOUNT OPTIONS (WM, MM, AR)

- N** None. Choose for straight sections
- I** Inside Edge. Light is mounted to inner corners/walls
- O** Outside Edge. Light is mounted to outer corners/walls



20. CONTROL TYPE*	21. VOLTAGE (CHOOSE 1)	22. EMERGENCY CIRCUITS (OPTIONAL)	23. CONTROL OPTIONS* (OPTIONAL)
QS 1C Single Control (Choose for Direct, Indirect, or Bidirectional illumination. D+I controlled together for Bidirectional)	QS UNV ²⁷ Universal Voltage (120VAC-277VAC) 347 ²⁸ 347 Volt (Driver options may be limited. Not available with EMB)	QS N None	QS N None
QS 2C Independent Control (Choose for Bidirectional illumination. D & I controlled independently)	²⁷ Choose UNV for phase dimming driver (P01) but is available in 120VAC only. ²⁸ 347V available with 0-10V drivers only. Not available with Emergency Battery (EMB).	QS EMC /__ ²⁹ Emergency power feed whip for connection to remote Generator Transfer Devices (Specify 1x for every 4ft or contact ALW for longer runs)	FACTORY CONTROLS QS OS/PH/HV /__ Remote Occupancy/Daylight sensor
[*] Contact ALW for adding additional zones/circuits (ex: daylight zones, ect.).		QS EMB /__ 10W Integral Emergency Battery (Specify 1x for every 4ft of emergency lighting)	NETWORK CONTROLS <i>Embedded controls below are placeholder specs. See the ALW Controls Guide to finalize your final control spec.</i>
		QS GTD /__ Integral Generator Transfer Device/Switch Bypass - 3A (Specify 1x for every 4ft)	AY/xx Acuity AN/xx Avi-on CA/xx Casambi CW/xx /__ Cooper Wavelinx EC/xx /__ Encelium LU/xx /__ Lutron NX/xx /__ NX Controls WA/xx /__ Wattstopper
		[*] Emergency Battery options are direct lighting only. EMBs deliver roughly 1100 total lumens, or 275lm/ft for a 4ft section. ²⁹ No EM components provided. EMC lengths come standard as 4ft. Contact ALW for entire fixture to be EMC or if you'd like longer lengths. Power whip will be labeled as EMC.	[*] Quickship availability on occupancy and photocell daylight sensors may vary. Contact ALW for more information. [*] Contact ALW for Additional Zone specifications. [*] Most embedded controls do not fit in the LPX1 fixture body. If you choose an embedded control node, the LED driver and embedded control node will be mounted to a remote driver enclosure. See the ALW Controls Guide for embedded control compatibility and driver control location.

24. ADDITIONAL OPTIONS - A (OPTIONAL)	25. ADDITIONAL OPTIONS - B* (INCLUDED)	26. QUICKSHIP OPTIONS
QS N None QS SB Seismic Bracing (Suspended mount, non-stem only)	QS DC Living Building Challenge Declared or Red List Approved [*] See Declare page for LP+ Declare listing	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.

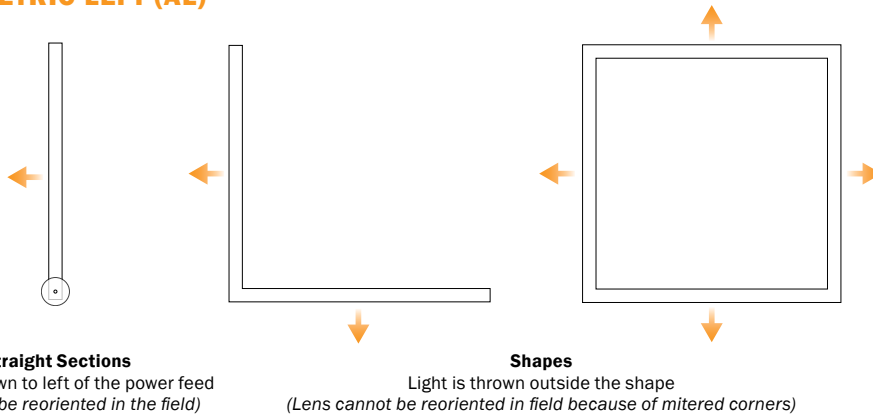
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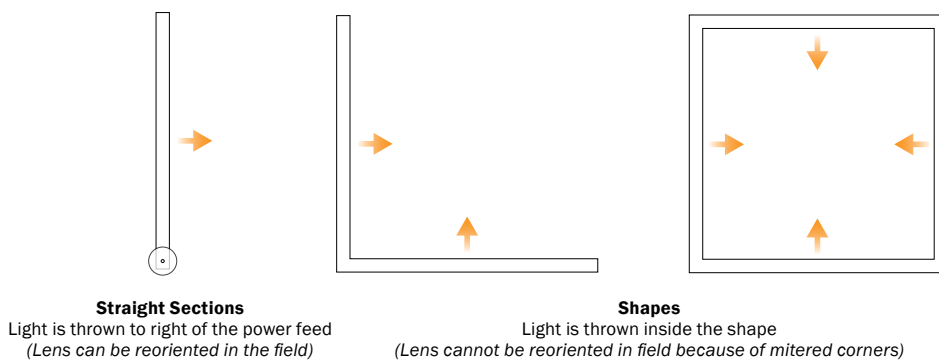
LENS & OPTICS

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

ASYMMETRIC LEFT (AL)



ASYMMETRIC RIGHT (AR)

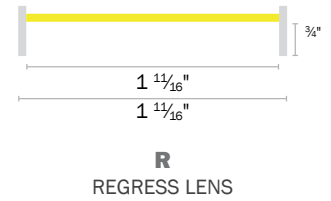
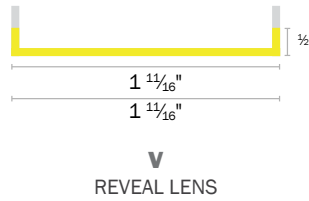
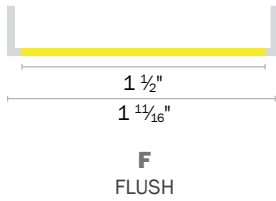




LENS DETAILS

Applicable to all models

— FIXTURE BODY — LENS



BODY DIMENSIONS

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

MODEL

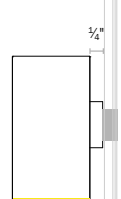
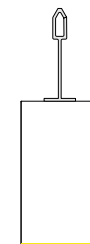
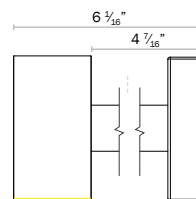
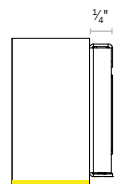
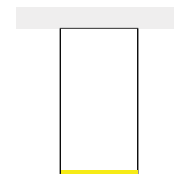
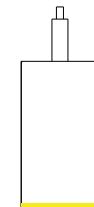
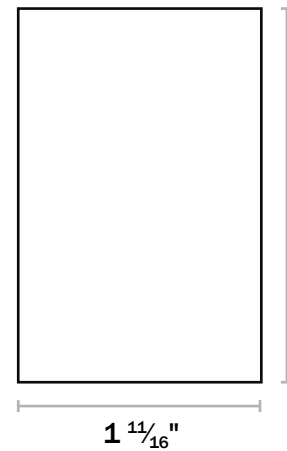
D Direct Only
I Indirect Only
B Bidirectional

LENS TYPE/PLACEMENT

N None
F Flush
R Regress
V Reveal
O Over Optic

MODEL	Direct	Indirect	Body Height (H)
D	F	N	3 3/16"
D	R	N	4"
D	V	N	3 11/16"
B	F	F	4"
B	F	O	4"
B	F	V	4 1/2"
B	R	F	4 3/4"
B	R	O	4 3/4"
B	R	V	5 1/4"
B	V	F	4 1/2"
B	V	O	4 1/2"
B	V	V	5"
B	R	F	4 3/4"
B	R	O	4 3/4"
B	R	V	5 1/4"
I	N	F	4"
I	N	O	4"
I	N	V	4 1/2"

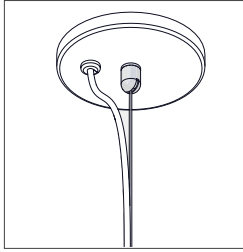
MOUNTING DETAILS



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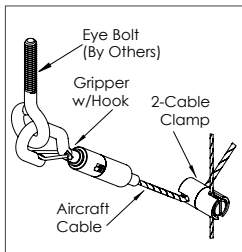


SUSPENSION MOUNTING OPTIONS



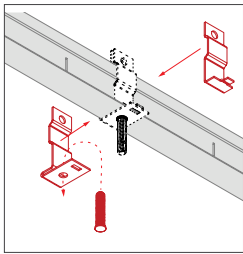
SUSPENDED (SP) HARDWARE

- 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



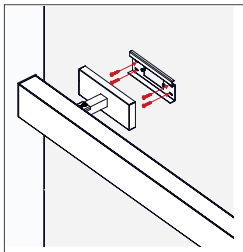
SEISMIC BRACING (SB) HARDWARE

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



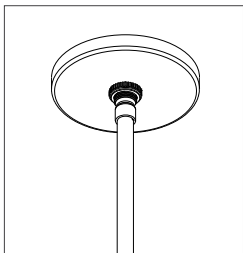
T-BAR (TB) MOUNTING HARDWARE

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



WALL-ARM (WM) MOUNTING HARDWARE

Provided Canopy for 2"x 4" J-box and non-powered arm-mount locations



RIDGID STEM (RS) - HANG STRAIGHT CANOPY MOUNTING HARDWARE

Provided with 3/8" rigid stem



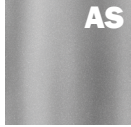
FINISHES

Standard finishes are available at no additional charge.

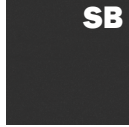
STANDARD FINISHES - QS ELIGIBLE



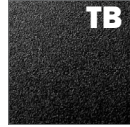
Satin
White
QS



Aluminum Silver
Anodized Effect
QS



Satin
Black
QS



Textured
Black
QS

PREMIUM FINISHES

BASIC POWDER COAT



Gloss
White



Antimicrobial
Gloss White



Textured
Matte
White

METALLIC POWDER COAT



Charcoal
Gray



Copper



Brass

SATIN ANODIZED EFFECT POWDER COAT



Oil-Rubbed
Bronze



Dark
Bronze

GLOSS POWDER COAT (80-95% GLOSS)



Orange
RAL 2003



Red
RAL 3020



Magenta
RAL 4010



Blue
RAL 5015

Contact ALW Quotes (quotes@alw-inc.com) 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](http://www.alw-inc.com) 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 <i>DIRECT / INDIRECT</i>		EFFICACY (LM/W) <i>DIRECT / INDIRECT</i>		WATTS/FT ³⁰ <i>DIRECT/ INDIRECT</i>		CRI OPTIONS	CCT OPTIONS
03 ³¹	SL	366	370	121	132	3	2.8	80+ 90+	2700K 3000K 3500K 4000K 5000K
	SL (Over Optic)	-	365	-	173	-	2.1		
	V	351	357	101	118	3.5	3		
	BAT	-	370	-	158	-	2.3		
	WS	-	383	-	164	-	2.3		
	LG (Low Glare)	-	-	-	-	-	-		
	AL	-	356	-	169	-	2.1		
	SL (3/4" Regress)	359	-	91	-	3.9	-		
05 ³¹	SL	519	509	118	129	4.4	3.9		
	SL (Over Optic)	-	509	-	168	-	3		
	V	500	506	98	115	5.1	4.4		
	BAT	-	501	-	154	-	3.3		
	WS	-	520	-	160	-	3.3		
	LG (Low Glare)	-	-	-	-	-	-		
	AL	-	531	-	163	-	3.3		
	SL (3/4" Regress)	512	-	89	-	5.8	-		
07 ³¹	SL	768	754	115	126	6.7	6		
	SL (Over Optic)	-	756	-	164	-	4.6		
	V	768	772	96	112	8	6.9		
	BAT	-	761	-	150	-	5.1		
	WS	-	756	-	156	-	4.8		
	LG	-	-	-	-	-	-		
	AL	-	772	-	159	-	4.8		
	SL (3/4" Regress)	754	-	87	-	8.7	-		
10 ³¹	SL	1009	1019	113	124	8.9	8.2		
	SL (Over Optic)	-	1033	-	161	-	6.4		
	V	1005	1007	94	110	10.7	9.1		
	BAT	-	1014	-	147	-	6.9		
	WS	-	1019	-	153	-	6.7		
	LG (Low Glare)	-	-	-	-	-	-		
	AL	-	1008	-	157	-	6.4		
	SL (3/4" Regress)	1003	-	85	-	11.8	-		

³⁰ 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%.

³¹ 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 <i>DIRECT / INDIRECT</i>		EFFICACY (LM/W) <i>DIRECT / INDIRECT</i>		WATTS/FT ³⁰ <i>DIRECT/ INDIRECT</i>		CRI OPTIONS	CCT OPTIONS
12 ³¹	SL	1219	1225	112	122	10.9	10	80+ 90+	2700K 3000K 3500K 4000K 5000K
	SL (Over Optic)	-	1202	-	159	-	7.6		
	V	1197	1211	93	109	12.9	11.1		
	BAT	-	1230	-	145	-	8.5		
	WS	-	1212	-	151	-	8		
	LG (Low Glare)	-	-	-	-	-	-		
	AL	-	1206	-	155	-	7.8		
SL (3/4" Regress)	1090	-	84	-	12.9	-			
TUNE	SL (Warm White)	537	791	87	128	6.2	6.2	90	2700K - 6500K
	SL (Cool White)	569	839	92	135	6.2	6.2		
RGB ³²	SL	107	157	23	34	4.7	4.7	-	
RGBW ³²	SL (W)	103	152	55	82	1.9	1.9	W: 80 CRI	W: 3500K
	SL (RGB)	107	157	22	33	4.8	4.8		

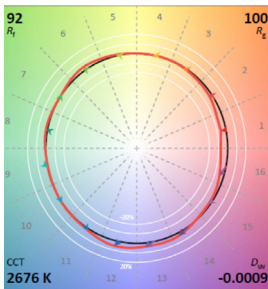
³⁰ Lumens/Watt and Watts/ft have been calculated assuming a driver efficiency of 85%. Depending on field conditions, actual measured values may fluctuate by 5-8%.

³¹ Performance calculations are based on LM-79 test of 1200lm output at 80 CRI and 3500K. All other output calculations are extrapolated values.

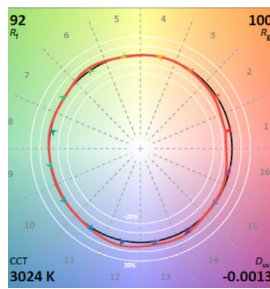
³² Performance calculations are derived from LM-79 test with all RGB LEDs illuminated (Red, Green, Blue) and White LED only illuminated

TM-30-18 DETAILS (90 CRI LAMPING)

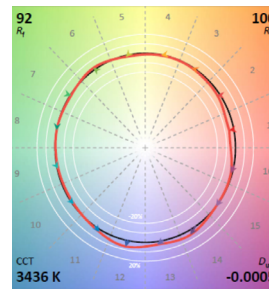
CCT	CRI (Ra)	CRI (R9)	TM-30 Rf	TM-30 Rg	Duv
2700K	94	56	92	100	-0.0009
3000K	94	59	92	100	-0.0013
3500K	94	64	92	100	-0.0005
4000K	94	66	92	100	-0.0004



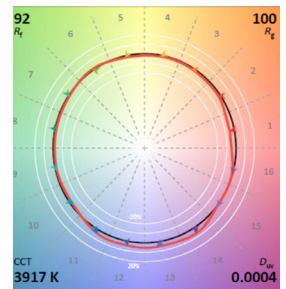
2700K, 90+CRI



3000K, 90+CRI



3500K, 90+CRI



4000K, 90+CRI

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DRIVERS

PRODUCT CODE	DRIVER DETAILS
	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.
ELO	EldoLED 0-10V SOLODrive 0.1% dimming with electronic dim-to-off (0%).
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 COMPATIBILITY						
	STD	STD/BIOS	TUNE*	RGB OR RGBW	CA TITLE 24 JA8/JA10 ³³	IEEE P1789 & HD TV STUDIO ³⁴
V00	●	●	●		●	
V01	●	●	●		●	
LDE	●	●			●	●
P01	●	●			●	
ELO	●	●	●		●	●
DALI	●	●	●		●	
DMX	●	●	●	●	PER REQUEST	PER REQUEST
POE/READY	PER REQUEST					

● - Indicates compatibility

* Standard lamping (STD) - 350 - 1200 lm/ft

³³ 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

³⁴ 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.

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

DRIVER LOCATION**						
	LED LAMPING TYPE*					
	STATIC WHITE	TW (TUNABLE WHITE)	RB (RGB)	RW (RGB + 3500K WHITE 80 CRI)	BS (BIOS STATIC, 80 CRI)	BD (BIOS DYNAMIC, 80 CRI)
V00	●	●	X	X	●	●
V01	●	●	X	X	●	●
LDE	●	●	N/A	N/A	●	N/A
P01	●	●	N/A	N/A	●	●
ELO	●	●	X	X	●	●
DALI	●	●	N/A	N/A	●	●
DMX	●	●	X	X	●	●
POE	X	X	X	X	X	X
CM	TBD	TBD	TBD	TBD	TBD	TBD

● - Indicates integral driver

X - Indicates remote driver

* LPX1 Standard specification has integral drivers. Some LED driver/LED lamping combinations require a remote driver installation as driver does not fit in the fixture body.

** This table assumes no embedded controls are specified. See the [ALW Controls Guide](#) for further information of LED driver/embedded control locations.

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PHOTOMETRICS - STANDARD LENSES - DIRECT

OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC) ³⁵ (0° - 180°) (90° - 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
SL (F) Standard Lambertian Flush		6 ft	11.9	1.26 1.24	428.8	1218
		8 ft	6.7			
		10 ft	4.3			
		12 ft	3.0			
		14 ft	2.2			
		16 ft	1.7			
SL (R) Standard Lambertian 3/4" Regressed		6 ft	13.5	1.26 1.08	486.7	1091
		8 ft	7.6			
		10 ft	4.9			
		12 ft	3.4			
		14 ft	2.5			
		16 ft	1.9			
SL (V) Standard Lambertian 1/2" Reveal		6 ft	9.7	1.26 1.36	350.7	1197
		8 ft	5.5			
		10 ft	3.5			
		12 ft	2.4			
		14 ft	1.8			
		16 ft	1.4			

* 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](#)

³⁵ 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).



PHOTOMETRICS - STANDARD LENSES - INDIRECT

OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC) ³⁵ (0° - 180°) (90° - 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
SL (F) Standard Lambertian Flush		6 ft	11.9	1.24 1.26	428.7	1225
		8 ft	6.7			
		10 ft	4.3			
		12 ft	3.0			
		14 ft	2.2			
		16 ft	1.7			
SL (O) Standard Lambertian Over Optic		6 ft	13.2	1.30 1.42	485.9	1201
		8 ft	7.4			
		10 ft	4.8			
		12 ft	3.3			
		14 ft	2.4			
		16 ft	1.9			
WS (O) Widespread Over Optic		6 ft	8.7	1.26 1.62	404.7	1211
		8 ft	4.9			
		10 ft	3.1			
		12 ft	2.2			
		14 ft	1.6			
		16 ft	1.2			
BW³⁶ (O) Batwing Over Optic		6 ft	5.3	1.30 2.20	455.9	1229
		8 ft	3.0			
		10 ft	1.9			
		12 ft	1.3			
		14 ft	1.0			
		16 ft	0.8			
AR (O) Asymmetric Over Optic		6 ft	12.8	1.12 1.58	787.5	1204
		8 ft	7.2			
		10 ft	4.6			
		12 ft	3.2			
		14 ft	2.4			
		16 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](#)

³⁵Spacing 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).

³⁶BW mounting height for BW refers to distance from ceiling since Batwing optic is only offered in indirect output.

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ADDITIONAL OPTIONS & SPECIFICATIONS

LED PERFORMANCE

L70 Calculated: 180,000hrs (80CRI), 171,000hrs (90+CRI)
L80 Calculated: 119,000hrs (80CRI), 108,000hrs (90+CRI)
L90 Calculated: 58,000hrs (80CRI), 53,000hrs (90+CRI)

HOUSING

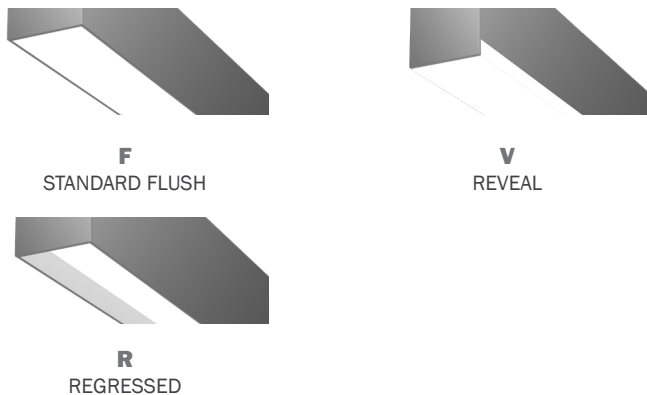
100% recyclable, extruded architectural grade 6063 aluminum with a 0.09" minimum wall thickness.

LENS & OPTICS

LPX1 has three different lens types: Flush, Reveal, and Regressed. Available optics includes:

Direct: Lambertian (*more optics available soon*)

Indirect: Lambertian, Asymmetric, Widespread, and Batwing.



SAFETY & REGULATORY

UL Listed (U.S. & Canada). Suitable for dry or damp locations.

Integral Driver Models:

UL 1598 Luminaires (US), CSA C22.2 No. 250.0:21 (CA)

Remote Driver Models:

UL 2108 Luminaires (US), CSA C22.2 No. 250.2 (CA)

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

Select 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 in 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), and Generator Transfer Devices (GTD). 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, 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.

IMPORTANT

Virtual Patent Marking Notice

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