



LIGHTPLANE+ 4

LPX4 | SUSPENDED, WALL, SURFACE



SPECIFICATIONS

PROFILE	4" Aperture, 4" height
SIZES	Individual/Straight Run sections starting at 2ft. Continuous runs & shapes
LED OUTPUT	Linear: 350lm/ft - 1,500lm/ft, up to 169 lm/W Downlights: 350 - 1,000lm per unit, up to 153 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, eidoLED, 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	Linear: 3W - 11W per ft Downlights: 3.8 - 6.5W per unit
INPUT	120VAC, 277VAC, or 347VAC
OPTICS	Direct/Indirect: Lambertian, Low Glare (UGR < 16), Asymmetric ControlRoll, Widespread ControlRoll Indirect only: Over optic, Batwing Downlights: 25° and 40° beam shaping optics
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

LAMBERTIAN

LOW GLARE
(DIRECT ONLY)

ASYMMETRIC
(LEFT OR RIGHT)

WIDESPREAD

BATWING
(INDIRECT ONLY)

Straight Run
(S)

Square
(Q)

Rectangle
(R)

L-Shaped
(L)

U-Shaped
(U)

Indirect

Direct

Bidirectional

Flush

Regress

Reveal

PROFILES

Suspended

Surface Mount

Wall Mount

Wall Arm Mount

T-Grid Bar Mount

Mullion Mount

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	27	28	29																																
							EXAMPLE: LPX4BSPFO — S8 — 053090SLV00 — 053090SLV00 — D35359025HL/3V00 — SG — B04 — 1C — UNV — EMC/2 — N — N — DC — QS																																																					
30	31	32	33																									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	27	28	29	30	31	32	33

1. FAMILY	2. SIZE	3. MODEL (CHOOSE 1)	4. MOUNTING (CHOOSE 1)	5. LENS TYPE - DIRECT (CHOOSE 1)
QS LPX Lightplane ⁺	QS 4 4"	QS D Direct only QS I Indirect only QS B Bidirectional <small>*Total fixture body height varies based on lens and model type combinations. Refer to "Total Body Height Dimensions" table on page 6 for exact dimensions.</small>	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) <small>¹Direct (D) model only</small>	QS N Choose for Indirect Only QS F Flush Lens QS R Regress Lens (3/4") QS V Reveal Lens (1/2" Drop) QS C ControlRoll Flush Lens ² <small>²Select for Widespread & Asymmetric Optics</small>

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 Reveal Lens (1/2" Rise)	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) <small>*To qualify for QS, all corners of shape must be 90°, same plane</small> <small>¹Lengths 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.</small>	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 QS 15 ² 1500lm/ft QS RB RGB QS RW RGB + 3500K White, 80CRI QS BS /___ ³ BIOS Static, 80CRI QS BD /___ ³ BIOS Dynamic, 80CRI QS CM /___ ⁴ Custom Lumens. Write in your lumens/ft (ex: 0100 = 100lm/ft).
<p>Shape orientation (Looking from the Ceiling down to the floor).</p>		
<small>¹For delivered lumens and watts, see "Performance Details"</small> <small>²1500lm/ft option only available with Control Roll lenses</small> <small>³Write 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.</small> <small>⁴Custom lumens available from 100 - 1500lm/ft</small>		

9. CCT - DIRECT (CHOOSE 1)	10. CRI - DIRECT (CHOOSE 1)	11. OPTICS - DIRECT* (CHOOSE 1)	12. DRIVER - DIRECT* (CHOOSE 1)
QS N Choose for RB, RW, BO, or no Direct lighting QS 27 ⁵ 2700K QS 30 3000K QS 35 3500K QS 40 4000K QS 50 ⁶ 5000K QS TW ⁷ Tunable White, 90CRI, 2700K - 6500K <small>⁵2700K only available in 90CRI</small> <small>⁶5000K only available in 80CRI</small> <small>⁷Tunable White (TW) not available with BIOS. BIOS has its own tunable white option to be specified by request.</small>	QS N Choose for RB, RW, TW or no Direct Lighting QS 80 80 QS 90 90	QS N No Direct Lighting QS SL ⁸ Standard Lambertian QS LG ⁸ Low Glare CONTROLROLL LENS ONLY QS AL ⁹ Asymmetric Left (outside of shape) QS AR ⁹ Asymmetric Right (inside of shape) QS WS Widespread <small>⁸See LEED + WELL guide for optic/output combos that fall under standard UGR and intensity levels</small> <small>⁹Regress (R) lens is only available with Low Glare (LG) and Standard Lambertian (SL) lens types. See page 5 for LED Optics Compatibility</small> <small>¹⁰See page 5 for explanation of Asymmetric lens specification</small>	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 ¹⁰ ELV/TRIAC phase dim to 1% QS TSE ¹¹ Lutron T-Series Driver 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 <small>¹⁰See "Driver" and lamping charts for driver details</small> <small>¹¹Phase dim drivers are 120 VAC only</small> <small>¹²For Tunable White (TW) CCT only</small> <small>¹³DMX option is only Declare classified, not Red List Free</small> <small>¹⁴Contact ALW with the PoE spec details</small> <small>¹⁵Contact ALW for custom driver specifications</small>

13. LUMENS - INDIRECT* (CHOOSE 1)	14. CCT - INDIRECT (CHOOSE 1)	15. CRI - INDIRECT (CHOOSE 1)	16. OPTICS - 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 QS RB RGB QS RW RGB + 3500K White, 80CRI QS BS /___ ¹⁵ BIOS Static, 80CRI QS BD /___ ¹⁵ BIOS Dynamic, 80CRI QS CM /___ ¹⁶ Custom Lumens. Write in your lumens/ft (ex: 0100 = 100lm/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 <small>¹⁷2700K only available in 90CRI</small> <small>¹⁸5000K only available in 80CRI</small> <small>¹⁹Tunable White (TW) not available with BIOS. BIOS has its own tunable white option to be specified by request.</small>	QS N Choose for RB, RW, TW, or no Indirect lighting QS 80 80 QS 90 90	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 <small>²⁰See page 5 for explanation of Asymmetric lens specification</small>
<small>¹⁵Write 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.</small> <small>¹⁶Custom lumens available from 100 - 1200lm/ft</small>			
<small>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.</small>			



PRODUCT SPECIFICATION SHEET CONT'D

17. DRIVER - INDIRECT* (CHOOSE 1)	18. LUMENS - DOWNLIGHT* (CHOOSE 1)	19. CCT - DOWNLIGHT (CHOOSE 1)	20. CRI - DOWNLIGHT (CHOOSE 1)
<p>QS N None</p> <p>QS V00 0-10V, dim to 0%</p> <p>V01 0-10V, dim to 1%</p> <p>LDE Lutron LDE1 Ecosystem, dim to 1%</p> <p>P01²¹ ELV/TRIAC phase dim to 1%</p> <p>TSE²² Lutron T-Series Driver</p> <p>ELO eldoLED, 0-10V dim to 0%</p> <p>DAL DALI, dim to 0%</p> <p>DMX²³ DMX, dim to 0%</p> <p>POE²⁴ POE Ready</p> <p>CM²⁵ Custom driver</p> <p>²¹See 'Driver' and lamping charts for driver details ²²Phase dim drivers are 120 VAC only ²³For Tunable White (TW) CCT only ²⁴DMX option is only Declare classified, not Red List Free ²⁵Contact ALW with the POE spec details ²⁶Contact ALW for custom driver specifications</p>	<p>QS N None. Select when downlight lamping is not desired.</p> <p>DL35 350lm</p> <p>DL50 500lm</p> <p>DL75 750lm</p> <p>DL10 1000lm</p> <p>²⁷All downlights will be wired to one circuit ²⁸Downlights are not available in BIOS options as the COB is too large to fit in downlight housing ²⁹If Direct linear lamping is not selected, lens will be replace with Aluminum lid between Downlights.</p>	<p>QS N None. Select when downlight lamping is not desired.</p> <p>27 2700K</p> <p>30 3000K</p> <p>35 3500K</p> <p>40 4000K</p> <p>50 5000K</p>	<p>QS N None. Select when downlight lamping is not desired.</p> <p>80 80 CRI</p> <p>90 90 CRI</p>

21. OPTICS - DOWNLIGHT (CHOOSE 1)	22. ACCESSORY - DOWNLIGHT (CHOOSE 1)	23. QUANTITY - DOWNLIGHT (CHOOSE 1)	24. DRIVER - DOWNLIGHT* (CHOOSE 1)
<p>QS N None. Select when downlight lamping is not desired.</p> <p>25 25°</p> <p>40 40°</p> <p>PERPENDICULAR PARALLEL</p>	<p>QS NN (Blank. When selected output is none)</p> <p>HL Honeycomb Louver</p> <p>ST Snoot</p> <p>HS Honeycomb Louver + Snoot</p> <p>HONEYCOMB LOUVER SNOOT</p>	<p>QS N None. Select when downlight lamping not desired.</p> <p>/_ Type total quantity of downlights per run length in product code on previous page. (Maximum 1x for 2-3ft., 2x for 4-5ft, and 3x for 6-8ft.)Louver + Snoot</p>	<p>QS N None</p> <p>QS V00 0-10V, dim to 0%</p> <p>V01 0-10V, dim to 1%</p> <p>LDE Lutron LDE1 Ecosystem, dim to 1%</p> <p>P01²⁴ ELV/TRIAC phase dim to 1%</p> <p>ELO eldoLED, 0-10V dim to 0%</p> <p>DAL DALI, dim to 0%</p> <p>DMX²⁷ DMX, dim to 0%</p> <p>POE²⁸ POE Ready</p> <p>CM²⁹ Custom driver</p> <p>²⁴See 'Driver' and lamping charts for driver details ²⁵Phase dim drivers are 120 VAC only ²⁷DMX option is only Declare classified, not Red List Free ²⁸Contact ALW with the PoE spec details ²⁹Contact ALW for custom driver specifications</p>

25. FINISH* (CHOOSE 1)	26. MOUNTING DETAILS (CHOOSE 1)	27. CONTROL TYPE*	28. VOLTAGE (CHOOSE 1)
<p>STANDARD FINISHES</p> <p>QS SW <input type="checkbox"/> Satin White</p> <p>QS SB <input checked="" type="checkbox"/> Satin Black</p> <p>QS AS <input type="checkbox"/> Aluminum Silver Anodized Effect</p> <p>QS TB <input checked="" type="checkbox"/> Textured Black</p> <p>PREMIUM FINISHES</p> <p>___ See chart on page 8 for more standard finishes. Manually type in the finish code (Ex: OB = Oil-Rubbed Bronze)</p> <p>SPECIAL ORDER FINISHES*</p> <p>RAL___ Specify RAL Classic Color (Ex: RAL 3003)</p> <p>CCM___ Specify Catalog Colors Custom Color Match</p> <p>*Manually type in the finish code for special order finishes types</p>	<p>QS N None. Choose for SM, WM, MM, AR & TM</p> <p>QS B04³⁰ Black Cord, 4ft</p> <p>QS W04³⁰ White Cord, 4ft</p> <p>QS B16³⁰ Black Cord, 16ft</p> <p>QS W16³⁰ White Cord, 16ft</p> <p>C04 Clear Braided Cord, 4ft</p> <p>C16 Clear Braided Cord, 16ft</p> <p>RS___³¹ Rigid Stem, choose length</p> <p>³⁰Black Cords Red List Approved, White Cords Declared ³¹Rigid Stem (RS) length limit 1 - 8ft, 1ft increments</p>	<p>QS 1C Single Control (Choose for Direct, Indirect, or Bidirectional illumination. D+I controlled together for Bidirectional)</p> <p>QS 2C Independent Control (Choose for Bidirectional illumination. D & I controlled independently)</p> <p>*Contact ALW for adding additional zones, separated zones/circuits, etc</p>	<p>QS UNV Universal Voltage (120VAC-277VAC)</p> <p>347 347 Volt (Driver options may be limited. Not available with EMB)</p>

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

29. EMERGENCY CIRCUITS (OPTIONAL)	30. CONTROL OPTIONS* (OPTIONAL)	31. ADDITIONAL OPTIONS - A (OPTIONAL)	32. ADDITIONAL OPTIONS - B* (INCLUDED)
<p>QS N None</p> <p>QS EMC/___³² Emergency power feed whip for connection to remote Generator Transfer Devices (Specify 1x for every 4ft or contact ALW for longer runs)</p> <p>QS EMB/___ 10W Integral Emergency Battery (Specify 1x for every 4ft of emergency lighting)</p> <p>GTD/___ Integral Generator Transfer Device/Switch Bypass - 3A (Specify 1x for every 4ft)</p> <p>ALC/___ Integral Automated Load Control Relay - 10A (Specify 1x for every 4ft or contact ALW for longer runs)</p> <p>*Emergency Battery options are direct lighting only</p> <p>³² 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.</p>	<p>QS N None</p> <p>FACTORY CONTROLS</p> <p>QS OS/PH/INT/___ Integral Occupancy/Daylight sensor</p> <p>QS OS/PH/HV/___ Remote Occupancy/Daylight sensor</p> <p>NETWORK CONTROLS Embedded controls below are placeholder specs. See the ALW Controls Guide to finalize your final control spec.</p> <p>AY/xx Acuity</p> <p>AN/xx Avi-on</p> <p>CA/xx Casambi</p> <p>CW/xx/___ Cooper Wavelinx</p> <p>EC/xx/___ Encelium</p> <p>EN/xx/___ Enlighted</p> <p>LU/xx/___ Lutron</p> <p>NX/xx/___ NX Controls</p> <p>WA/xx/___ Wattstopper</p> <p>*Quickship availability on occupancy and photocell daylight sensors may vary. Contact ALW for more information.</p> <p>*Contact ALW for Additional Zone specifications</p>	<p>QS N None</p> <p>SB Seismic Bracing (Suspended mount, non-stem only)</p>	<p>QS DC Living Building Challenge Declared or Red List Approved</p> <p>*See Declare page for LP+ Declare listing</p>

33. 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.

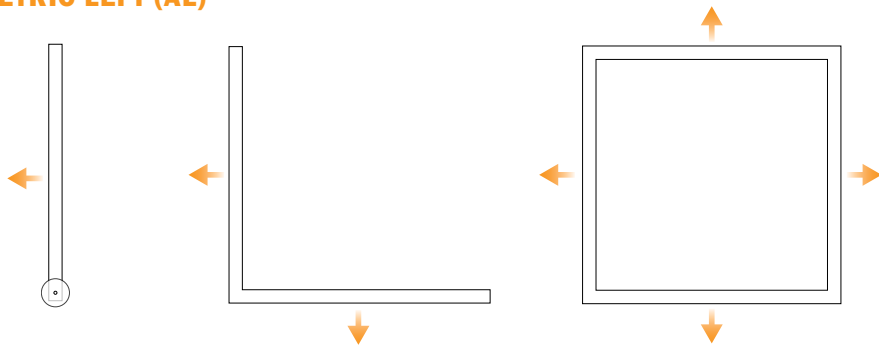
Rev 010725



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 – INDIRECT (O)	●	●	●	●	●

ASYMMETRIC LEFT (AL)

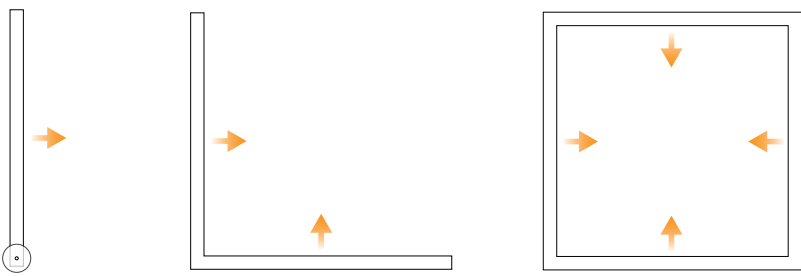


Note: For unique applications, mark up the submittal drawings for desired asymmetric light throw.

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)

ASYMMETRIC RIGHT (AR)



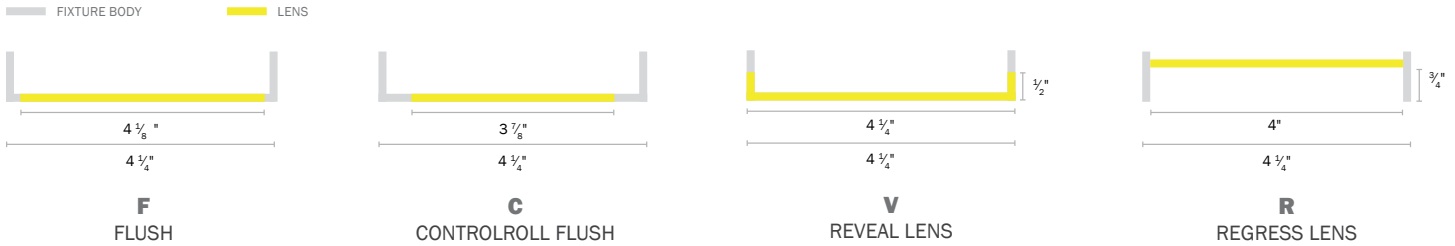
Straight Sections
Light is thrown to right of the powerfeed
(Can be reconfigured in field)

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



LENS DETAILS

Applicable to all models



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

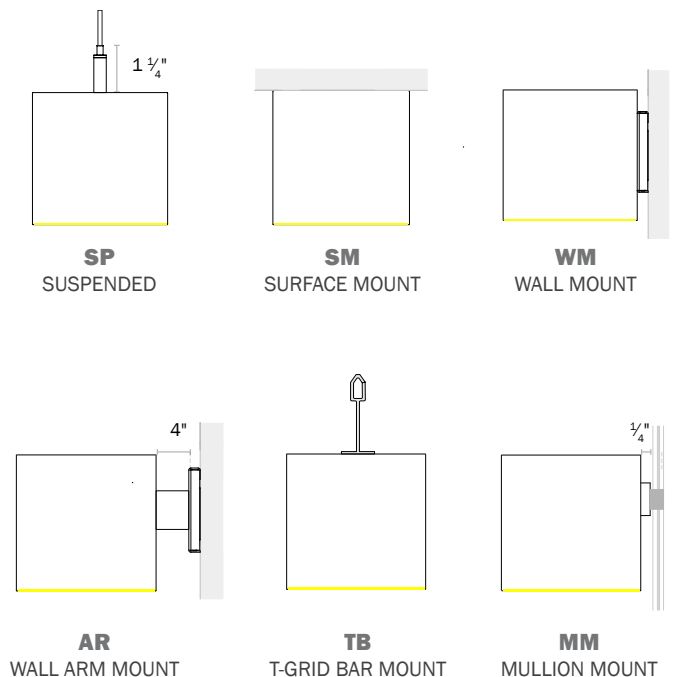
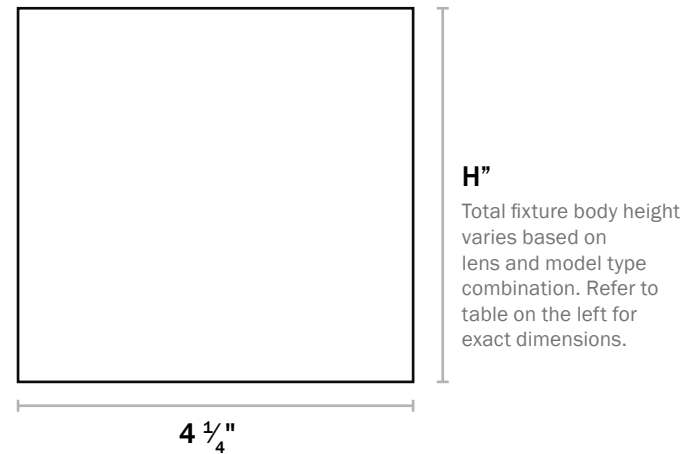
- I** Indirect Only
- D** Direct Only
- B** Bidirectional

LENS TYPE

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

MODEL	Direct	Indirect	Direct/Indirect	Body Height (H)
I	N	O	N/O	4.27
I	N	V	N/V	4.77
D	F	N	F/N	4.17
D	R	N	R/N	4.92
D	C	N	C/N	4.17
D	V	N	V/N	4.67
B	F	N	F/N	4.27
B	F	O	F/O	4.27
B	F	V	F/V	4.77
B	R	N	R/N	5
B	R	O	R/O	5
B	R	V	R/V	5.5
B	V	N	V/N	4.77
B	V	O	V/O	4.77
B	V	V	V/V	5.27
B	C	N	C/N	4.27
B	C	O	C/O	4.27
B	C	V	C/V	4.67

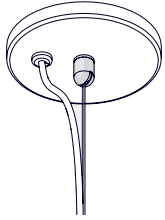
MOUNTING DETAILS



Rev 010725

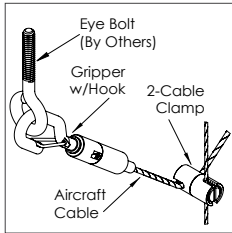


SUSPENSION MOUNTING OPTIONS



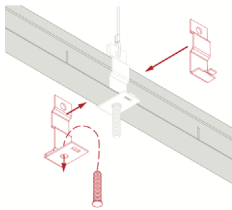
INCLUDED CEILING HARDWARE

- 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



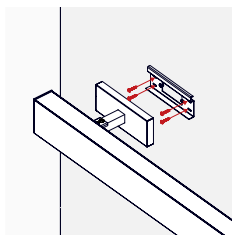
SEISMIC BRACING (SB)

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

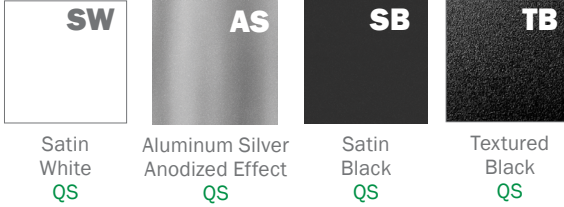
Provided Canopy for 2"x4" J-box and non-powered arm-mount locations



FINISHES

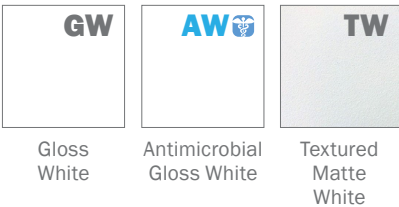
Standard finishes are available at no additional charge.

STANDARD FINISHES - QS ELIGIBLE

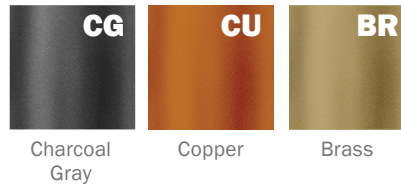


PREMIUM FINISHES

BASIC POWDER COAT



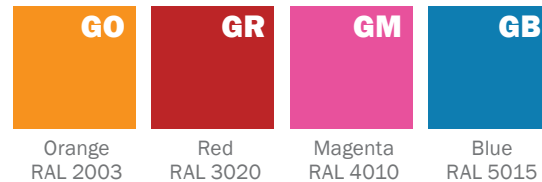
METALLIC POWDER COAT



SATIN ANODIZED EFFECT POWDER COAT



GLOSS POWDER COAT (80-95% GLOSS)



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 <i>DIRECT</i>	DELIVERED LUMENS/FT <i>INDIRECT</i>	EFFICACY (LM/W) <i>DIRECT</i>	EFFICACY (LM/W) <i>INDIRECT</i>	WATTS/FT ³² <i>DIRECT/INDIRECT</i>	CRI OPTIONS	CCT OPTIONS
03 ³³	SL	364	348	121	169	3 2.1	80+ 90+	2700K 3000K 3500K 4000K 5000K
	V	376	260	125	126			
	BAT	N/A	363	N/A	176			
	WS	N/A	372	N/A	181			
	LG	463	N/A	154	N/A			
	SL (Regress)	390	N/A	130	N/A			
	LG (Regress)	373	N/A	124	N/A			
05 ³³	SL	519	503	119	167	4.4 3		
	V	535	376	123	125			
	BAT	N/A	524	N/A	174			
	WS	N/A	538	N/A	179			
	LG	659	N/A	152	N/A			
	SL (Regress)	555	N/A	128	N/A			
	LG (Regress)	530	N/A	122	N/A			
07 ³³	SL	776	716	124	165	6.3 4.4		
	V	801	535	128	123			
	BAT	N/A	746	N/A	172			
	WS	N/A	766	N/A	176			
	LG	985	N/A	157	N/A			
	SL (Regress)	830	N/A	132	N/A			
	LG (Regress)	793	N/A	127	N/A			
10 ³³	SL	1024	1013	114	162	9 6.3		
	V	1056	757	117	121			
	BAT	N/A	1055	N/A	168			
	WS	N/A	1083	N/A	173			
	LG	1300	N/A	144	N/A			
	SL (Regress)	1095	N/A	122	N/A			
	LG (Regress)	1047	N/A	116	N/A			

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 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</i>	DELIVERED LUMENS/FT <i>INDIRECT</i>	EFFICACY (LM/W) <i>DIRECT</i>	EFFICACY (LM/W) <i>INDIRECT</i>	WATTS/FT ³² <i>DIRECT/INDIRECT</i>	CRI OPTIONS	CCT OPTIONS
12³³	SL	1223	1216	111	159	11 7.7	80+ 90+	2700K 3000K 3500K 4000K 5000K
	V	1262	908	115	119			
	BAT	N/A	1266	N/A	166			
	WS	N/A	1300	N/A	170			
	LG	1553	N/A	142	N/A			
	SL (Regress)	1309	N/A	119	N/A			
	LG (Regress)	1250	N/A	114	N/A			
TUNE	SL (Warm White)	921	1142	65	80	14.2	90	2700K - 6500K
	SL (Cool White)	977	1211	69	85			
RGB³⁴	SL	184	228	39	49	4.7	N/A	
RGBW³⁴	SL	W: 177 RGB: 184	W: 177 RGB: 184	53	66	6.8	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 1200lm 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



PERFORMANCE DETAILS - CONTROLROLL

OUTPUT OPTION	OPTIC TYPE	DELIVERED LUMENS/FT	EFFICACY (LM/W)	WATTS/FT ³⁵	CRI OPTIONS	CCT OPTIONS
03³⁶	SL	373	151	2.5	80+ 90+	2700K 3000K 3500K 4000K 5000K
	WS	420	170			
	AL	423	171			
	LG	419	170			
05³⁶	SL	512	150	3.4		
	WS	577	169			
	AL	582	170			
	LG	576	168			
07³⁶	SL	759	148	5.1		
	WS	855	167			
	AL	862	168			
	LG	853	166			
10³⁶	SL	1025	146	7		
	WS	1155	164			
	AL	1165	166			
	LG	1153	164			
12³⁶	SL	1207	144	8.4		
	WS	1360	163			
	AL	1371	164			
	LG	1356	162			
15³⁶	SL	1533	142	10.8		
	WS	1727	159			
	AL	1741	161			
	LG	1723	159			
TUNE	SL (Warm White)	1154	81	14.2	90	2700K - 6500K
	SL (Cool White)	1224	86			
RGB³⁷	SL	231	49	4.7	N/A	
RGBW³⁷	SL	231	34	6.8	W: 80 CRI	W: 3500K

³⁵Lumens/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%.

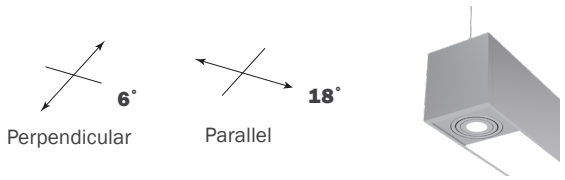
³⁶Performance calculations are based on LM-79 test of 600lm output at 80 CRI and 3500K. All other output calculations are extrapolated values.

³⁷Performance calculations are derived from LM-79 test with all RGB LEDs illuminated (Red, Green, Blue) and White LED only illuminated



PERFORMANCE DETAILS - ACCENT/DOWNLIGHT LAMPING

SPOT	DELIVERED LUMENS (LM)	WATTS (W)	EFFICACY (LM/W)	CRI	CCT OPTIONS	BEAM SPREAD OPTIONS (DEGREES)
DL35	350	3.8	92	80 90	2700K 3000K 3500K 4000K	25 40
DL50	500	4.3	116			
DL75	750	5.3	142			
DL10	1000	6.5	154			



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.
ELO	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 ³⁹	IEEE P1789 & HD TV STUDIO ⁴⁰
V00	●	●	●		●	
V01	●	●	●		●	
LDE	●	●			●	●
P01	●	●			●	
ELO	●	●	●		●	●
TSE			●		●	●
DALI	●	●	●		●	
DMX	●	●	●	●	PER REQUEST	PER REQUEST
POE/READY	PER REQUEST					

- - Indicates compatibility
- * Standard lamping (STD) - 350 - 1500 lm/ft
- ³⁹ 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
- ⁴⁰ 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.



PHOTOMETRICS - STANDARD LENSES

OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC) ⁴¹ (0°- 180°) (90°- 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
LG		6 ft	17.4	1.24 1.20	605.8	1553
		8 ft	9.8			
		10 ft	6.3			
		12 ft	4.4			
		14 ft	3.2			
		16 ft	2.5			
SL		6 ft	11.7	1.26 1.28	419.8	1223
		8 ft	6.6			
		10 ft	4.2			
		12 ft	2.9			
		14 ft	2.1			
		16 ft	1.6			
BW ⁴²		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](#)

⁴¹Spacing 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).

⁴²BW mounting height for BW refers to *distance from ceiling* since Batwing optic is only offered in indirect output



PHOTOMETRICS - CONTROLROLL

OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC) ⁴³ (0°- 180°) (90°- 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
AL		6 ft	18.1	1.2 1.48	873.3	1741
		8 ft	10.2			
		10 ft	6.5			
		12 ft	4.5			
		14 ft	3.3			
		16 ft	2.5			
WS		6 ft	15.7	1.44 1.2	567.8	1727
		8 ft	8.8			
		10 ft	5.7			
		12 ft	3.9			
		14 ft	2.9			
		16 ft	2.2			
LG		6 ft	22.3	1.14 1.14	801.4	1723
		8 ft	12.5			
		10 ft	8			
		12 ft	5.6			
		14 ft	4.1			
		16 ft	3.1			
SL		6 ft	15.6	1.24 1.22	563.3	1533
		8 ft	8.8			
		10 ft	5.6			
		12 ft	3.9			
		14 ft	2.9			
		16 ft	2.2			

*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](#)

⁴³Spacing 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

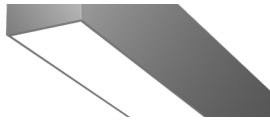
90 CRI | L70 Calculated Hours: 171,000hrs
L80 Calculated Hours: 108,000hrs

HOUSING

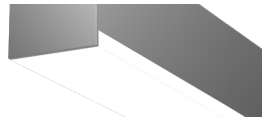
100% recyclable, extruded architectural grade 6063 aluminum with a 0.09" minimum wall thickness.

LENS & OPTICS

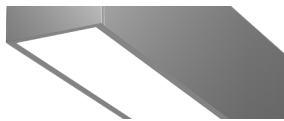
ALW offers four different lens types: Flush, ControlRoll Flush, Reveal and Regressed. A wide range of optics are available including, Lamberian, Asymmetric, Low Glare, and Widespread. See page 5 for the Lens & Optics Compatibility chart.



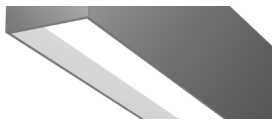
F
STANDARD FLUSH



V
REVEAL



C
CONTROL ROLL 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 3lbs. 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.

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