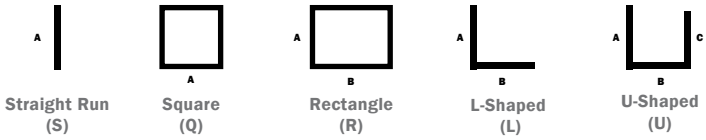
LIGHTPLANE+ 3

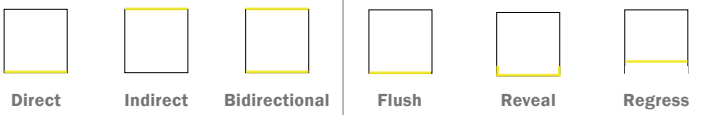
LPX3 | SUSPENDED, WALL, SURFACE

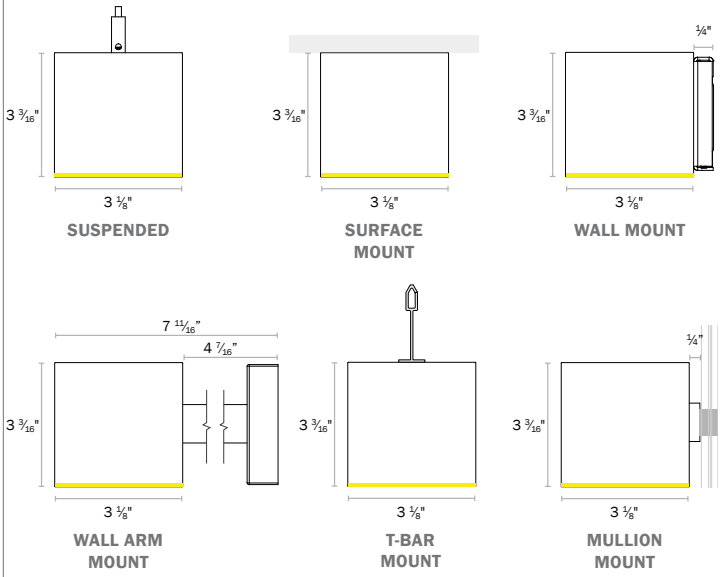
SPECIFICATIONS

PROFILE	3 1/8" 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 - 1,500lm/ft, up to 161 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	2.8W - 12.5W per ft
INPUT	120VAC, 277VAC, or 347VAC
OPTICS	Direct: Lambertian Low Glare, Asymmetric, Widespread Indirect: Asymmetric, Batwing, Widespread
LENS	Standard press fit lens in Flush, Regressed, and Reveal. ControlRoll continuous lenses in Flush
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

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

ALW

PRODUCT SPECIFICATION SHEET

LPX 3	—		—			—					—			—	—	—				—	— 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: LPX3BSPFO — 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 ☑ **3** 3”

3. MODEL* (CHOOSE 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.

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**[2] Flush Lens
☐ **R**[2] Regress Lens (3/4”)
☐ **V**[2] Reveal Lens (1/2” Drop)
☐ **C**[3] ControlRoll Flush Lens

[2]*Available in Lambertian (SL) Optic only.*
[3]*Available in all Optic Types (SL, LG, AL, AR, WS).*

6. LENS TYPE - INDIRECT (CHOOSE 1)

QS ☐ **N** Choose for Direct Only
QS ☐ **O** Over Optic
☐ **V**[4] Reveal Lens (1/2” Rise)
☐ **F**[4] Flush lens

[4]*Available in Lambertian Optics only. Choose Over Optic (O) for SL, AL, AR, WS, BW).*

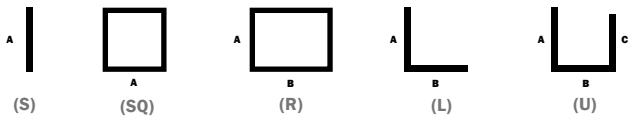
7. SHAPE/LENGTH* (CHOOSE 1 & ENTER LENGTH IN FEET) - FOR CUSTOM ANGLES, CONTACT ALW

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.

* ALW regularly builds simple and complex mitered patterns not shown above. Contact ALW and provide a RCP with your layout to get started.



(S) (SQ) (R) (L) (U)

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**[5] 1500lm/ft
☐ **RB**[6] RGB
☐ **RW**[6] RGB + 3500K White, 80CRI
☐ **BS/____**[7] BIOS Static, 80CRI
☐ **BD/____**[7] BIOS Dynamic, 80CRI
☐ **CM/____**[8] Custom Lumens. *Write in your lumens/ft (ex: 0100 = 100lm/ft).*

*For delivered lumens power, see ‘Performance Details’ on p. 8.
[5]1500lm/ft option only available with ControlRoll lenses.
[6]*Not available in the following Controlroll optics: AL, AR, LG, WS.*
[7]Write in desired lm/ft (100 - 1200lm/ft). Static BIOS SkyBlue® 490nm LED is always on. Dynamic BIOS SkyBlue® 490nm LED can be tuned off.
[8]Custom lumens available from 100 - 1500lm/ft.

9. CCT - DIRECT (CHOOSE 1)

QS ☐ **N** Choose for RB, RW, BO, or No Direct lighting
☐ **27**[9] 2700K
QS ☐ **30** 3000K
QS ☐ **35** 3500K
QS ☐ **40** 4000K
☐ **50**[10] 5000K
☐ **TW**[10] Tunable White, 2700K - 6500K, 90CRI

[9]2700K only available in 90CRI.
[10]5000K only available in 80CRI.
[11]Tunable White (TW) not available with BIOS. BIOS has its own tunable white option to be specified by request.

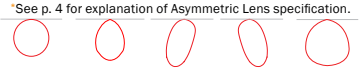
10. CRI - DIRECT (CHOOSE 1)

QS ☐ **N** Choose for RB, RW, TW or No Direct Lighting
QS ☐ **80** 80CRI
QS ☐ **90** 90CRI

11. OPTICS - DIRECT* (CHOOSE 1)

QS ☐ **N** None *(Choose for No Direct Lighting)*
QS ☐ **SL**[12] Standard Lambertian
☐ **LG**[13] Low Glare
☐ **AL**[13] Asymmetric Left (outside of shape)
☐ **AR**[13] Asymmetric Right (inside of shape)
☐ **WS**[13] Widespread

*See LEED + WELL guide for optic/output combos that fall under standard UGR and intensity levels
[12]Available in all Lens Types.
[13]Only available with ControlRoll (C) Lens.
optics. See p. 4 for LED and Optics Compatibility.
*See p. 4 for explanation of Asymmetric Lens specification.



SL LG AL AR WS

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**[14] ELV/TRIAC phase dim to 1%
☐ **EL0** eldoLED, 0-10V dim to 0%
☐ **DAL** DALI, dim to 0%
☐ **DMX** DMX, dim to 0%
☐ **POE**[15] POE Ready
☐ **CM**[16] Custom driver

*See ‘LED DRIVERS’ on p. 11 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.
[14]Phase dim drivers are 120 VAC only
[15]Luminaire 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.
[16]Contact ALW to specify special request 3rd party LED drivers

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**[17] RGB
☐ **RW**[17] RGB + 3500K White, 80CRI
☐ **BS/____**[18] BIOS Static, 80CRI
☐ **BD/____**[18] BIOS Dynamic, 80CRI
☐ **CM/____**[19] Custom Lumens. *Write in your lumens/ft (ex: 0100 = 100lm/ft).*

*For delivered lumens power, see ‘Performance Details’ on p. 8.
[17]*Not available in the following Controlroll Optics: AL, AR, LG, WS.*
[18]Write in desired lm/ft (100 - 1200lm/ft). Static BIOS SkyBlue® 490nm LED is always on. Dynamic BIOS SkyBlue® 490nm LED can be tuned off.
[19]Custom lumens available from 100 - 1500lm/ft

14. CCT - INDIRECT (CHOOSE 1)

QS ☐ **N** Choose for RB, RW, BO, or No Indirect Lighting
☐ **27**[20] 2700K
QS ☐ **30** 3000K
QS ☐ **35** 3500K
QS ☐ **40** 4000K
☐ **50**[21] 5000K
☐ **TW**[22] Tunable White, 90CRI, 2700K - 6500K

[20]2700K only available in 90CRI
[21]5000K only available in 80CRI
[22]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** 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: LPX3BSPFO — 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)

- QS ☐ **N** No Indirect Lighting
- QS ☐ **SL** Standard Lambertian
- QS ☐ **AL**[23] Asymmetric Left (outside of shape)
- QS ☐ **AR**[23] Asymmetric Right (inside of shape)
- QS ☐ **BW** Batwing
- QS ☐ **WS** Widespread

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

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**[24] ELV/TRIAC phase dim to 1%
- ☐ **ELO** eldoLED, 0-10V dim to 0%
- ☐ **DAL** DALI, dim to 0%
- ☐ **DMX** DMX, dim to 0%
- ☐ **POE**[25] POE Ready
- ☐ **CM**[26] Custom driver

*See 'LED DRIVERS' on p. 11 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.
[24]Phase dim drivers are 120 VAC only
[25]Luminaire 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.
[26]Contact ALW to specify special request 3rd party LED drivers

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**[27] Black Cord, 4ft
- QS ☐ **W04**[27] White Cord, 4ft
- QS ☐ **B16**[27] Black Cord, 16ft
- QS ☐ **W16**[27] White Cord, 16ft
- ☐ **C04** Clear Braided Cord, 4ft
- ☐ **C16** Clear Braided Cord, 16ft
- ☐ **RS__**[28] Rigid Stem. Choose length, 01in - 96in (ex: 06 = 6in)

[27]Black Cords Red List Approved, White Cords Declared
[28]Rigid 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*

- 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**[29] Universal Voltage (120VAC-277VAC)
- ☐ **347**[30] 347 Volt *(Driver options may be limited. Not available with EMB)*

[29]Choose UNV for phase dimming driver (PO1) but is available in 120VAC only.
[30]347V available with 0-10V drivers only. Not available with Emergency Battery (EMB).

22. EMERGENCY CIRCUITS (OPTIONAL)

- QS ☐ **N** None
- QS ☐ **EMC/__**[31] 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. EMBs deliver roughly 1100 total lumens, or 275lm/ft for a 4ft section.

[31]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.

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
- ☐ **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.
*See the ALW Controls Guide for embedded control compatibility and driver control location.

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

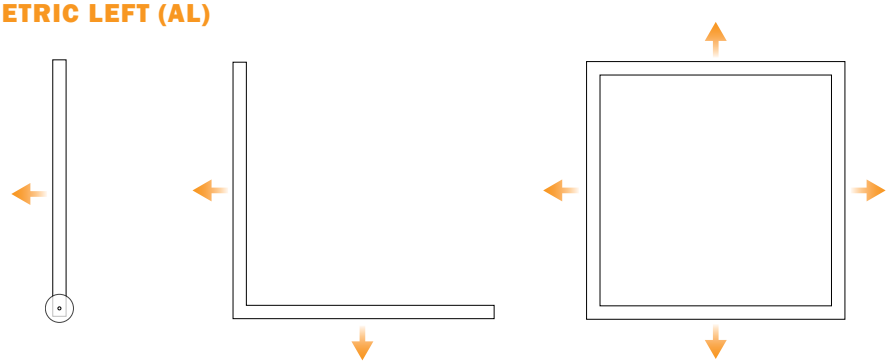
QS = QuickShip-qualifying option. For the entire luminaire configuration to be QuickShip-eligible, ALL options specified in the configuration must be ones notated with "QS". NOTE: Maximum 800 ft. of QuickShip-eligible product per order.

Rev 110325

LENS & OPTICS

		LENS/OPTICS COMPATIBILITY				
		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)	●				
	INDIRECT OVER OPTIC (O)	●		●	●	●
	INDIRECT FLUSH (F)	●				

ASYMMETRIC LEFT (AL)

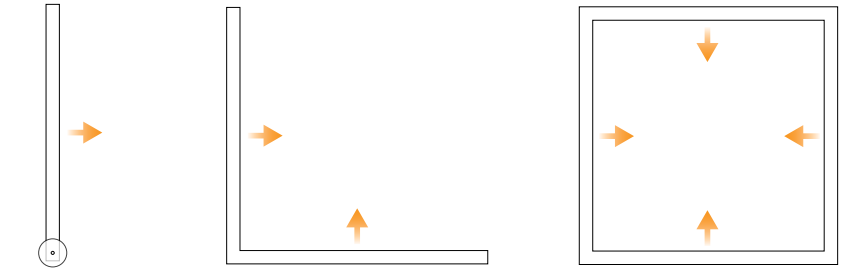


Straight Sections
Light is thrown to left of the power feed
(Lens can be reoriented in the field)

Shapes
Light is thrown outside the shape
(Lens cannot be reoriented in field because of mitered corners)

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

ASYMMETRIC RIGHT (AR)

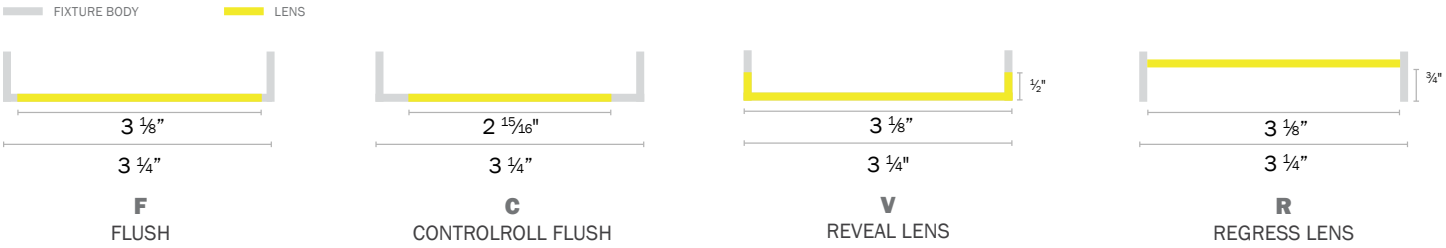


Straight Sections
Light is thrown to right of the power feed
(Lens can be reoriented in the field)

Shapes
Light is thrown inside the shape
(Lens cannot be reoriented in field because of mitered corners)

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

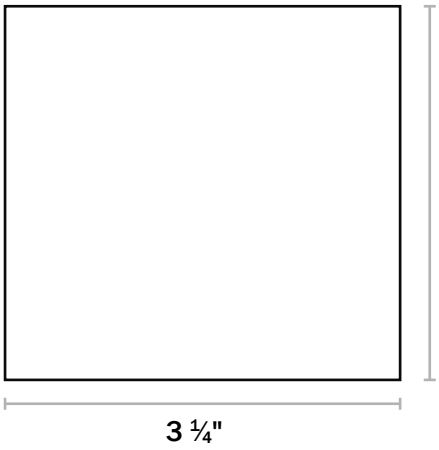
- **I** Indirect Only
- **D** Direct Only
- **B** Bidirectional

LENS TYPE

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

MODEL	Direct	Indirect	Body Height (H)
D	F	N	3 3⁄16”
D	R	N	4”
D	V	N	3 11⁄16”
D	C	N	3 3⁄16”
B	F	F	4”
B	F	O	4”
B	F	V	4 ½”
B	R	F	4 ¾”
B	R	O	4 ¾”
B	R	V	5 ¼”
B	V	F	4 ½”
B	V	O	4 ½”
B	V	V	5”
B	C	F	4”
B	C	O	4”
B	C	V	4 ½”
B	R	F	4 ¾”
B	R	O	4 ¾”
B	R	V	5 ¼”
I	N	F	4”
I	N	O	4”
I	N	V	4 ½”

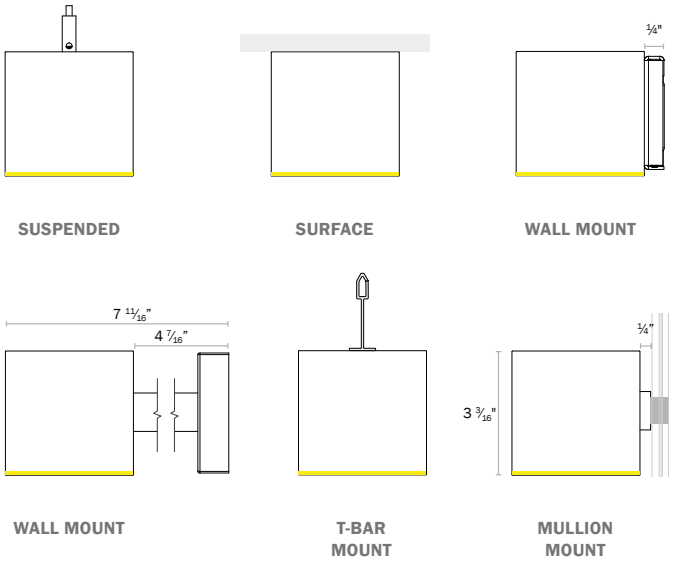
MOUNTING DETAILS



H”

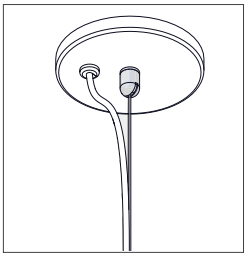
Total fixture body height varies based on lens and model type combination. Refer to table on the left for exact dimensions.

PROFILES



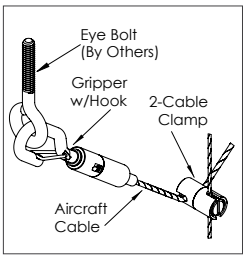
Rev 110325

SUSPENSION MOUNTING OPTIONS



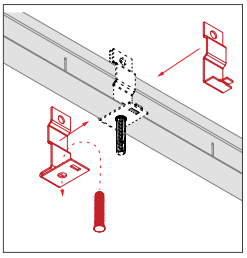
SUSPENDED (SP) HARDWARE

- 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



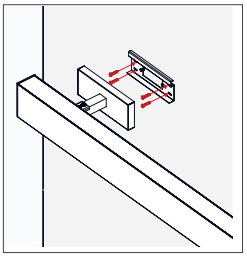
SEISMIC BRACING (SB) HARDWARE

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



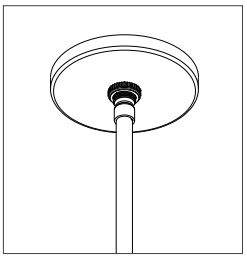
T-BAR (TB) MOUNTING HARDWARE

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

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 (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 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 / INDIRECT*		EFFICACY (LM/W) *DIRECT / INDIRECT*		WATTS/FT[32] *DIRECT/ INDIRECT*		CRI OPTIONS	CCT OPTIONS
03[33]	SL (Flush)	354	347	127	107	2.8	3.3	80 90+	2700K 3000K 3500K 4000K 5000K
	SL (Over Optic)	-	376	-	161	-	2.3		
	V	365	369	112	99	3.3	3.7		
	BAT	-	350	-	149	-	2.3		
	WS	-	367	-	157	-	2.3		
	LG	-	-	-	-	-	-		
	AL, AR	-	372	-	159	-	2.3		
	SL (3/4" Regress)	363	-	112	-	3.3	-		
05[33]	SL (Flush)	514	504	123	104	4.2	4.8		
	SL (Over Optic)	-	511	-	157	-	3.3		
	V	507	516	110	97	4.6	5.3		
	BAT	-	506	-	145	-	3.5		
	WS	-	531	-	152	-	3.5		
	LG	-	-	-	-	-	-		
	AL, AR	-	505	-	155	-	3.3		
	SL (3/4" Regress)	504	-	109	-	4.6	-		
07[33]	SL (Flush)	773	745	120	102	6.4	7.3		
	SL (Over Optic)	-	774	-	153	-	5.1		
	V	761	761	107	95	7.1	8.0		
	BAT	-	750	-	142	-	5.3		
	WS	-	756	-	149	-	5.1		
	LG	-	-	-	-	-	-		
	AL, AR	-	766	-	151	-	5.1		
	SL (3/4" Regress)	756	-	106	-	7.1	-		
10[33]	SL (Flush)	1000	998	118	100	8.5	10.0		
	SL (Over Optic)	-	1000	-	150	-	6.7		
	V	1007	1015	105	93	9.6	10.9		
	BAT	-	1019	-	139	-	7.3		
	WS	-	1007	-	146	-	6.9		
	LG	-	-	-	-	-	-		
	AL, AR	-	1021	-	148	-	6.9		
	SL (3/4" Regress)	1000	-	104	-	9.8	-		

[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 *DIRECT / INDIRECT*		EFFICACY (LM/W) *DIRECT / INDIRECT*		WATTS/FT[32] *DIRECT/ INDIRECT*		CRI OPTIONS	CCT OPTIONS
12[33]	SL (Flush)	1220	1201	117	98	10.5	12.2	80 90+	2700K 3000K 3500K 4000K 5000K
	SL (Over Optic)	-	1221	-	148	-	8.2		
	V	1201	1186	104	92	11.6	12.9		
	BAT	-	1222	-	137	-	8.9		
	WS	-	1222	-	145	-	8.5		
	LG	-	-	-	-	-	-		
	AL, AR	-	1301	-	146	-	8.9		
	SL (3/4" Regress)	1214	-	103	-	11.8	-		
TUNE	SL (Warm White)	559	661	90	107	6.2	6.2	90	2700K - 6500K
	SL (Cool White)	592	701	96	113	6.2	6.2		
RGB[34]	SL	111	132	24	28	4.7	4.7	-	
RGBW[34]	SL (White)	107	127	58	68	1.9	1.9	W: 80 CRI	W: 3500K
	SL (RGB)	111	132	23	28	4.8	4.8		

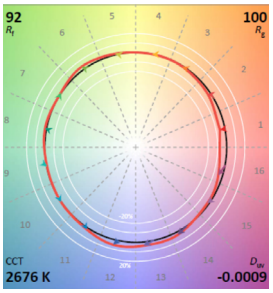
[32] *Lumens/Watt and Watts/ft have been calculated assuming a driver efficiency of 85%. Depending on field conditions, actual measured values may fluctuate by 5-8%.*

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

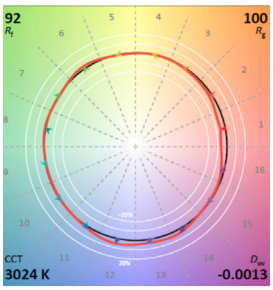
[34] *Performance calculations are derived from LM-79 test with all RGB LEDs illuminated (Red, Green, Blue) and White LED only illuminated*

TM-30-18 DETAILS (90 CRI LAMPING)

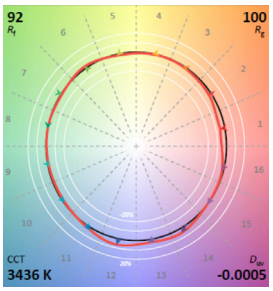
CCT	CRI (Ra)	CRI (R9)	TM-30 Rf	TM-30 Rg	Duv
2700K	94	56	92	100	-0.0009
3000K	94	59	92	100	-0.0013
3500K	94	64	92	100	-0.0005
4000K	94	66	92	100	-0.0004



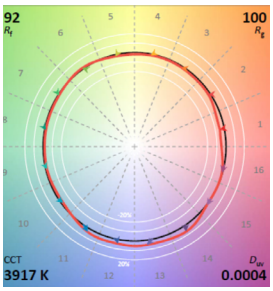
2700K, 90+CRI



3000K, 90+CRI



3500K, 90+CRI



4000K, 90+CRI

PERFORMANCE DETAILS - CONTROLROLL

OUTPUT OPTION	OPTIC TYPE	DELIVERED LUMENS/FT	EFFICACY (LM/W)	WATTS/FT[32]	CRI OPTIONS	CCT OPTIONS
03[33]	CR SL (Lambertian)	358	139	2.6	80+ 90+	2700K 3000K 3500K 4000K 5000K
	CR WS (Widespread)	373	145	2.6		
	CR AL/AR (Asymmetric)	342	146	2.3		
	CR LG (Low Glare)	377	146	2.6		
05[33]	CR SL (Lambertian)	505	136	3.7		
	CR WS (Widespread)	525	141	3.7		
	CR AL/AR (Asymmetric)	494	142	3.5		
	CR LG (Low Glare)	500	143	3.5		
07[33]	CR SL (Lambertian)	762	132	5.8		
	CR WS (Widespread)	764	138	5.5		
	CR AL/AR (Asymmetric)	732	138	5.3		
	CR LG (Low Glare)	771	139	5.5		
10[33]	CR SL (Lambertian)	1013	130	7.8		
	CR WS (Widespread)	1025	136	7.6		
	CR AL/AR (Asymmetric)	965	136	7.1		
	CR LG (Low Glare)	1006	137	7.3		
12[33]	CR SL (Lambertian)	1203	129	9.4		
	CR WS (Widespread)	1223	134	9.1		
	CR AL/AR (Asymmetric)	1165	134	8.7		
	CR LG (Low Glare)	1207	136	8.9		
15[33]	CR SL (Lambertian)	1519	126	12.0		
	CR WS (Widespread)	1526	132	11.6		
	CR AL/AR (Asymmetric)	1469	132	11.1		
	CR LG (Low Glare)	1514	133	11.4		
TUNE	SL (Warm White)	612	99	6.2	90	2700K - 6500K
	SL (Cool White)	649	105	6.2		
RGB[34]	SL	122	26	4.7	N/A	
RGBW[34]	SL (White)	118	63	1.9	W: 80 CRI	W: 3500K
	SL (RGB)	122	26	4.8		

[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*

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.
EL0	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 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	●	●	●		●	●
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.

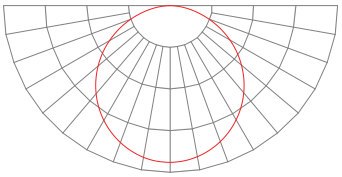
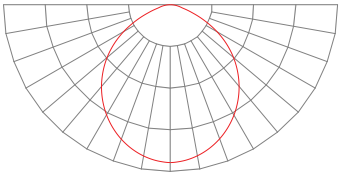
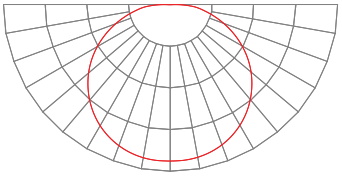
● - Indicates compatibility

*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.

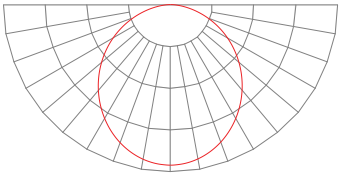
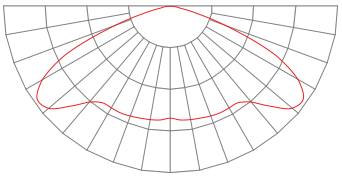
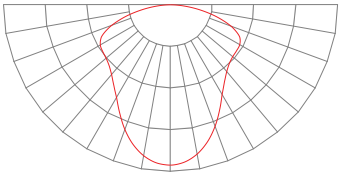
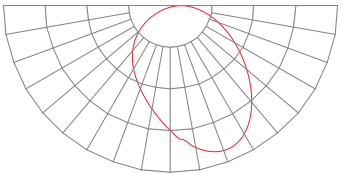
PHOTOMETRICS - STANDARD LENSES - DIRECT

OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC)[37] (0°- 180°) (90°- 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
SL (F) Standard Lambertian Flush		6 ft	11.6	1.28 1.26	419.3	1221
		8 ft	6.6			
		10 ft	4.2			
		12 ft	2.9			
		14 ft	2.1			
		16 ft	1.6			
SL (R) Standard Lambertian 3/4" Regressed		6 ft	13.5	1.26 1.22	485	1277
		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	10.3	1.28 1.34	370.9	1200
		8 ft	5.8			
		10 ft	3.7			
		12 ft	2.6			
		14 ft	1.9			
		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

[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).

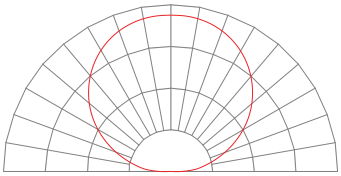
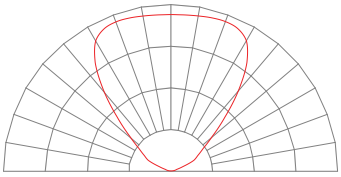
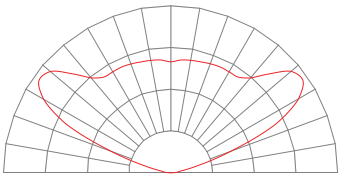
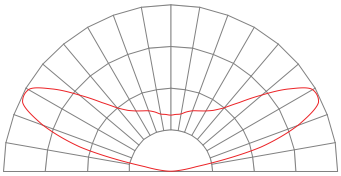
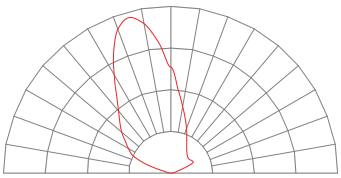
PHOTOMETRICS - CONTROLROLL - DIRECT

OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC)[37] (0°- 180°) (90°- 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
SL (C) Standard Lambertian ControlRoll		6 ft	15.5	1.22 1.22	557	1517
		8 ft	8.7			
		10 ft	5.6			
		12 ft	3.9			
		14 ft	2.8			
		16 ft	2.2			
WS (C) Widespread ControlRoll		6 ft	13.3	1.24 1.52	497	1524
		8 ft	7.5			
		10 ft	4.8			
		12 ft	3.3			
		14 ft	2.4			
		16 ft	1.9			
LG (C) Low Glare ControlRoll		6 ft	16.4	1.14 1.02	590	1513
		8 ft	9.2			
		10 ft	5.9			
		12 ft	4.1			
		14 ft	3.0			
		16 ft	2.3			
AR (C) Asymmetric Right ControlRoll		6 ft	15.5	1.22 1.42	627	1467
		8 ft	8.7			
		10 ft	5.6			
		12 ft	3.9			
		14 ft	2.8			
		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

[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).

PHOTOMETRICS - STANDARD LENSES - INDIRECT

OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC)[37] (0°- 180°) (90°- 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
SL (F) Standard Lambertian Flush		6 ft	11.5	1.28 1.26	414	1202
		8 ft	6.5			
		10 ft	4.1			
		12 ft	2.9			
		14 ft	2.1			
		16 ft	1.6			
SL (O) Standard Lambertian Over Optic		6 ft	13.6	1.32 1.36	497.5	1221
		8 ft	7.6			
		10 ft	4.9			
		12 ft	3.4			
		14 ft	2.5			
		16 ft	1.9			
WS (O) Widespread Over Optic		6 ft	8.3	1.26 1.70	434.8	1222
		8 ft	4.7			
		10 ft	3.0			
		12 ft	2.1			
		14 ft	1.5			
		16 ft	1.2			
BW[38] (O) Batwing Over Optic		6 ft	5.0	1.28 2.76	522	1222
		8 ft	2.8			
		10 ft	1.8			
		12 ft	1.2			
		14 ft	0.9			
		16 ft	0.7			
AR (O) Asymmetric Over Optic		6 ft	14.1	1.14 0.52	768	1208
		8 ft	7.9			
		10 ft	5.1			
		12 ft	3.5			
		14 ft	2.6			
		16 ft	2.0			

*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

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

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

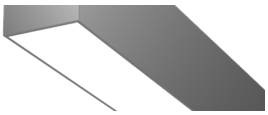
100% recyclable, extruded architectural grade 6063 aluminum with a 0.09" minimum wall thickness.

HOUSING

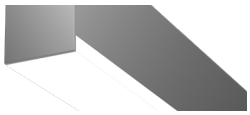
100% recyclable, extruded architectural grade 6063 aluminum with a 0.09" minimum wall thickness.

LENS & OPTICS

LPX3 has four different lens types: Flush, ControlRoll Flush, Reveal and Regressed. A wide range of optics are available including, Lambertian, Asymmetric, Low Glare, and Widespread. See page 4 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

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 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, 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
This website (https://www.lmpg.com/patents-trademarks) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.