



LIGHTPLANE+ 4P

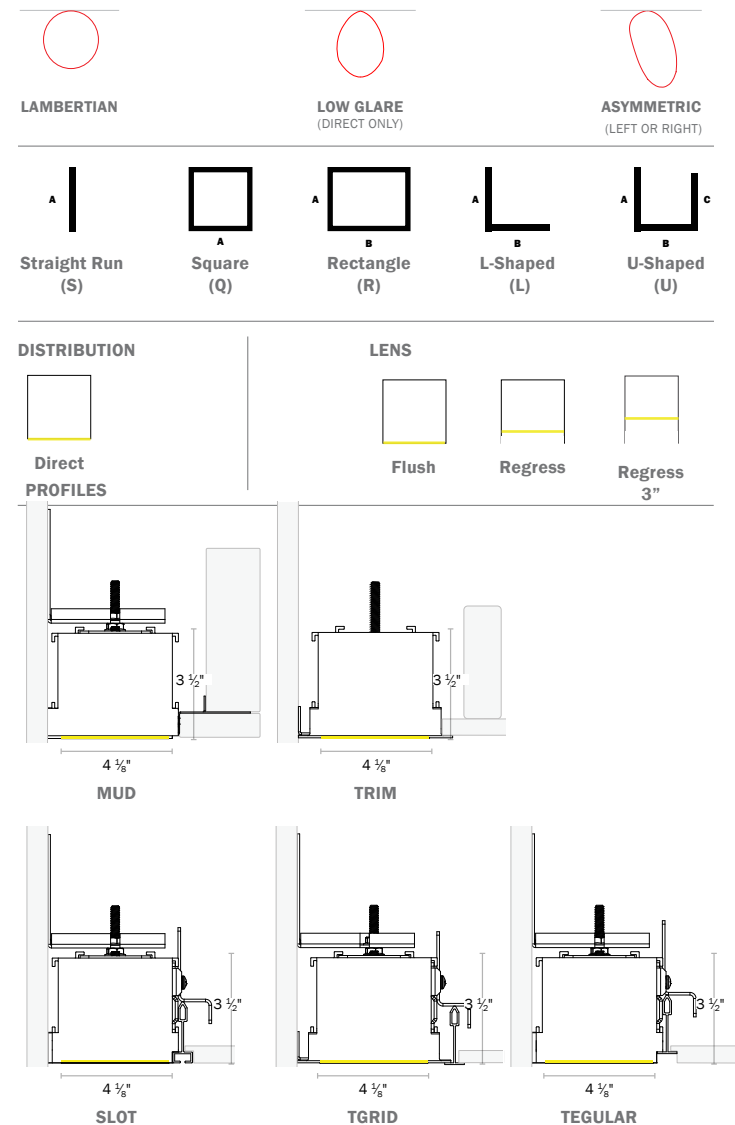
LPX4P | RECESSED PERIMETER



SPECIFICATIONS

PROFILE	4 1/8" Aperture, 3 1/2" height (Shortest height listed above. See mechanical diagrams for other heights)
LENGTHS	Build-to-Order: Individual/Continuous Lengths Shapes/Patterns
LED OUTPUT	350lm/ft - 1,500lm/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	3W - 11W per ft
INPUT	120VAC, 277VAC, or 347VAC
OPTICS	Lambertian, Low Glare (UGR < 16), Asymmetric, Widespread
LENS	Standard press fit lens in Flush, Regressed & 3" Regressed. 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





PRODUCT SPECIFICATION SHEET

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
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EXAMPLE: LPX4PMDFN – S8 – 053090SLV00 – SW – N – UNV – EMC/2 – N – CP – DC

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

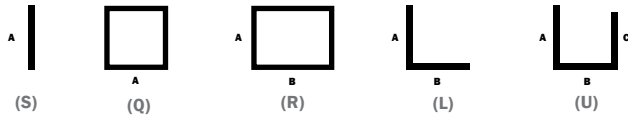
1. FAMILY	2. SIZE	3. MODEL (CHOOSE 1)	4. MOUNTING (CHOOSE 1)	5. LENS TYPE (CHOOSE 1)
LPX Lightplane [†]	4 4"	P Recessed Perimeter Direct	MD Mud TM ^{1,2} Trim ST Slot T9 TGrid 9/16 T5 TGrid 15/16 G9 Tegular 9/16 G5 Tegular 15/16 AW ^{2,3} Armstrong Woodworks® AM ^{2,3} Armstrong Metalworks®	FN ⁴ Flush Lens RN ⁴ Regress Lens (3/4") GN ⁴ Regress Lens (3") CN ⁵ ControlRoll Flush Lens ⁴ Available in Lambertian (SL) Optic only. ⁵ Available in all Optic Types (SL, LG, AL, AR).

¹For install in wood, drywall, metal, etc.

²Not compatible with 3" regressed lens option (R3)

³All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them.

6. SHAPE/LENGTH* (CHOOSE 1 & ENTER LENGTH IN FEET) - FOR CUSTOM ANGLES, CONTACT ALW	7. LUMENS* (CHOOSE 1)	8. CCT (CHOOSE 1)
S ___ Individual/Straight Run Section (enter length in product code above, ex. S18) Q ___ Square Configuration (enter side length A, ex: Q18) R ___/___ Rectangular Configuration (enter side lengths A and B, ex. R12/24) L ___/___ L-Shaped Configuration (enter side lengths A and B, ex. L12/24) U ___/___/___ U-Shaped Configuration (enter side lengths A, B, and C, ex. U12/12/24)	03 350lm/ft 05 500lm/ft 07 750lm/ft 10 1000lm/ft 12 1200lm/ft 15 ⁶ 1500lm/ft RB ⁷ RGB RW ⁷ RGB + 3500K White, 80CRI BO ___ ⁸ BIOS. 80 CRI. Choose your lm/ft CM ___ ⁹ Custom Lumens. Write in your lumens/ft (ex: 0100 = 100lm/ft).	N Choose for RB, RW, or BO 27 ¹⁰ 2700K 30 3000K 35 3500K 40 4000K 50 ¹¹ 5000K TW ¹² Tunable White, 90CRI, 2700K - 6500K
[*] 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.	[*] For delivered lumens power, see 'Performance Details' on p. 10. ⁶ 1500lm/ft option only available with ControlRoll lenses. ⁷ Available in Lambertian (SL) Optic only. ⁸ 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. ⁹ Custom lumens available from 100 - 1500lm/ft.	¹⁰ 2700K only available in 90CRI. ¹¹ 5000K only available in 80CRI. ¹² Tunable White (TW) not available with BIOS. BIOS has its own tunable white option to be specified by request.



9. CRI (CHOOSE 1)	10. OPTICS* (CHOOSE 1)	11. DRIVER* (CHOOSE 1)
N Choose for RB, RW, or TW 80 80CRI 90 90CRI	SL ¹³ Standard Lambertian LG ¹⁴ Low Glare AL ¹⁴ Asymmetric Left (outside of shape) AR ¹⁴ Asymmetric Right (inside of shape)	V00 0-10V, dim to 0% V01 0-10V, dim to 1% LDE Lutron LDE1 Ecosystem, dim to 1% P01 ¹⁵ ELV/TRIAC phase dim to 1% ELO eldoLED, 0-10V dim to 0% DAL DALI, dim to 0% DMX DMX, dim to 0% POE ¹⁶ POE Ready CM ¹⁷ Custom driver

^{*}See LEED + WELL guide for optic/output combos that fall under standard UGR and intensity levels
¹³Available in all Lens Types.
¹⁴Only available with ControlRoll (C) Lens - optics. See p. 4 for LED and Optics Compatibility.
^{*}See p. 4 for explanation of Asymmetric Lens specification.

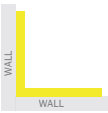
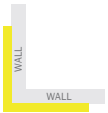


^{*}See 'LED DRIVERS' on p. 12 for various tables. 'Driver Details' has a full description of each driver spec. 'Driver/LED Compatibility' describes the compatible driver and LED combinations. 'Driver Location' describes the driver location (integral or remote) depending on the LED you choose.
¹⁵Phase dim drivers are 120 VAC only.
¹⁶Luminaire 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.
¹⁷Contact ALW to specify special request 3rd party LED drivers

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PRODUCT SPECIFICATION SHEET CONT'D

12. FINISH* (CHOOSE 1)	13. MOUNTING DETAILS (CHOOSE 1)	14. VOLTAGE (CHOOSE 1)	15. EMERGENCY CIRCUITS (OPTIONAL)
STANDARD FINISHES SW <input type="checkbox"/> Satin White SB <input checked="" type="checkbox"/> Satin Black AS <input type="checkbox"/> Aluminum Silver Anodized Effect TB <input checked="" type="checkbox"/> Textured Black PREMIUM FINISHES --- See chart on page 9 for more standard finishes. Manually type in the finish code (Ex: OB = Oil-Rubbed Bronze) SPECIAL ORDER FINISHES* RAL _____ Specify RAL Classic Color (Ex: RAL 3003) CCM _____ Specify Catalog Colors Custom Color Match <small>*Manually type in the finish code for special order finishes types</small>	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  (I)  (O)	UNV ¹⁸ Universal Voltage (120VAC-277VAC) 347 ¹⁹ 347 Volt (Driver options may be limited. Not available with EMB) <small>¹⁸ Choose UNV for phase dimming driver (PO1) but is available in 120VAC only. ¹⁹ 347V available with 0-10V drivers only. Not available with Emergency Battery (EMB).</small>	N None EMC /__ ²⁰ Emergency power feed whip for connection to remote Generator Transfer Devices (Specify 1x for every 4ft or contact ALW for longer runs) 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) <small>*Emergency Battery options are direct lighting only. EMBs deliver roughly 1100 total lumens, or 275lm/ft for a 4ft section. ²⁰ 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.</small>

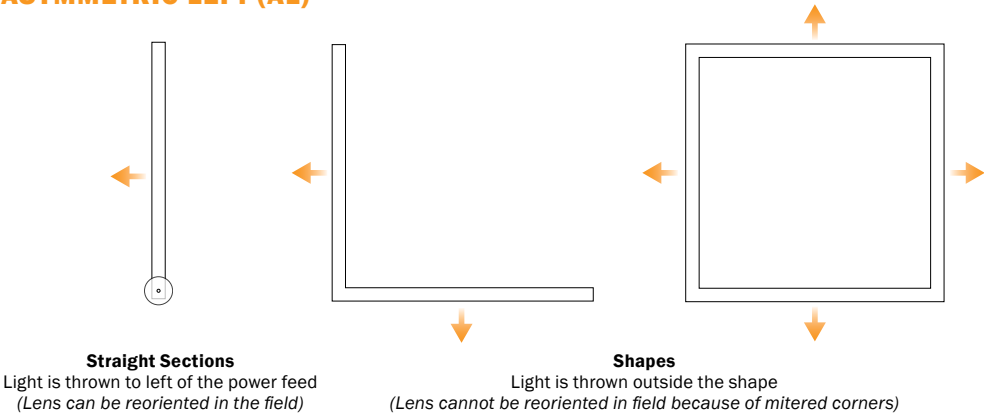
16. CONTROL OPTIONS* (OPTIONAL)	17. ADDITIONAL OPTIONS - A (OPTIONAL)	18. ADDITIONAL OPTIONS - B* (INCLUDED)
N None FACTORY CONTROLS OS/PH/INT /___ Integral Occupancy/Daylight sensor OS/PH/HV /___ Remote Occupancy/Daylight sensor <small>Embedded controls below are placeholder specs. See the ALW Controls Guide to finalize your final control spec.</small> 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 <small>*Contact ALW for Additional Zone specifications</small>	N None CP Chicago Plenum	DC Living Building Challenge Declared or Red List Approved <small>*See Declare page for LP+ Declare listing</small>



LENS & OPTICS COMPATIBILITY

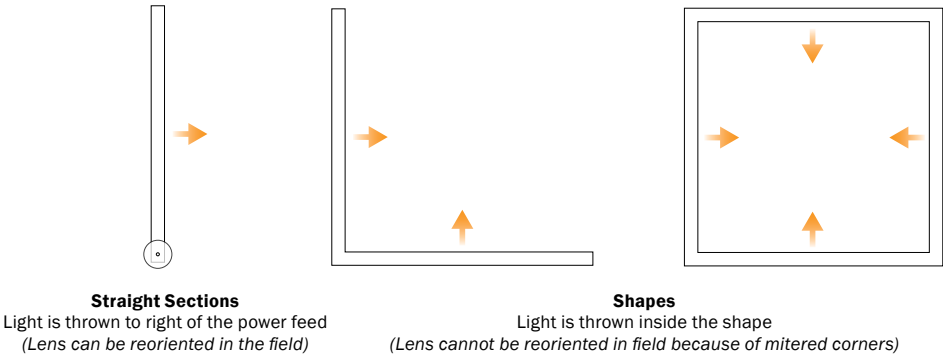
		LENS/OPTICS COMPATIBILITY		
		OPTICS		
		STANDARD LAMBERTIAN (SL)	LOW GLARE (LG)	ASYMMETRIC (AL, AR)
LENS TYPES	FLUSH (FN)	●		
	CONTROLROLL FLUSH (CN)	●	●	●
	REGRESSED (RN)	●		
	REGRESSED 3" (GN)	●		

ASYMMETRIC LEFT (AL)



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

ASYMMETRIC RIGHT (AR)

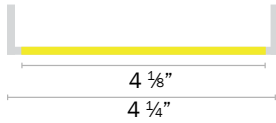




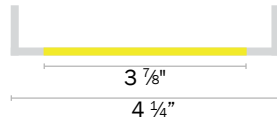
LENS DETAILS

Applicable to all models

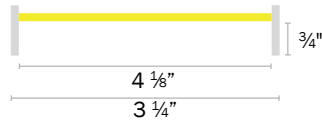
FIXTURE BODY LENS



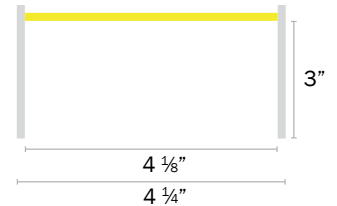
FN
FLUSH



CN
CONTROL ROLL FLUSH

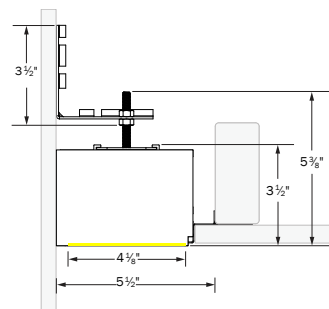


RN
REGRESS LENS

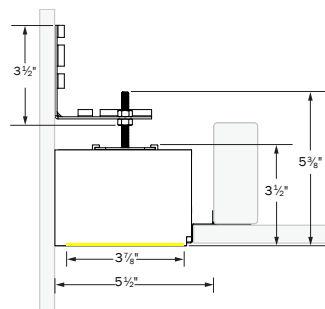


GN
3" REGRESS LENS

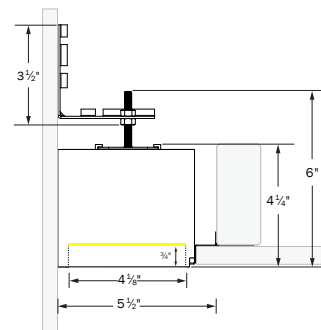
MECHANICAL DIAGRAMS



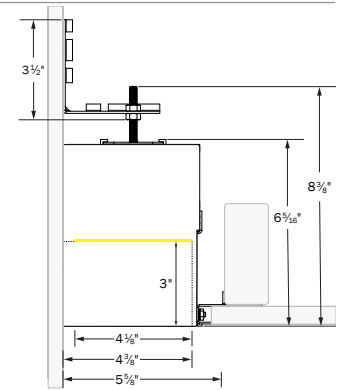
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RECESSED PERIMETER
MUD-IN
FLUSH LENS



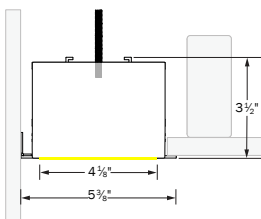
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MUD-IN
CONTROL ROLL LENS



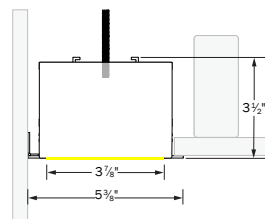
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MUD-IN
REGRESSED LENS



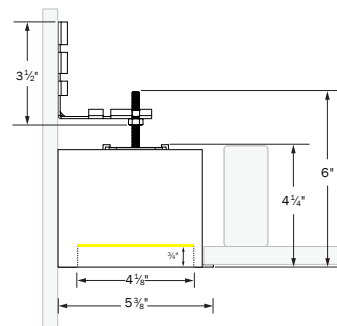
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MUD-IN
3" REGRESSED LENS



LPX4PTMFN
RECESSED PERIMETER
TRIM
FLUSH LENS



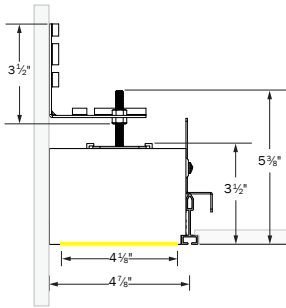
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TRIM
CONTROL ROLL LENS



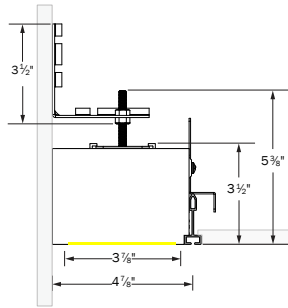
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TRIM
REGRESSED LENS

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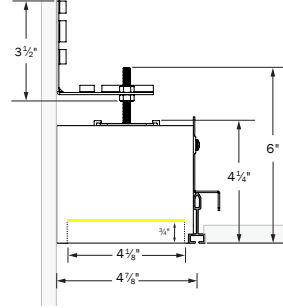
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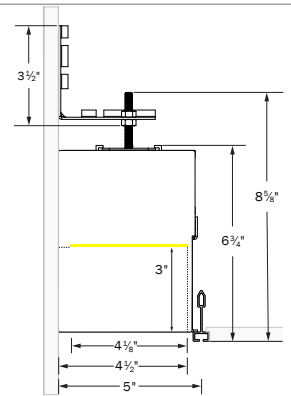
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SLOT
FLUSH LENS



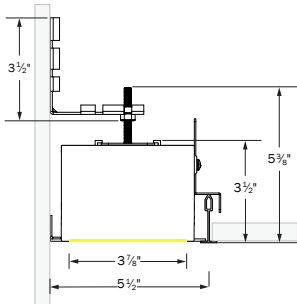
LPX4PSTCN
RECESSED PERIMETER
SLOT
CONTROL ROLL LENS



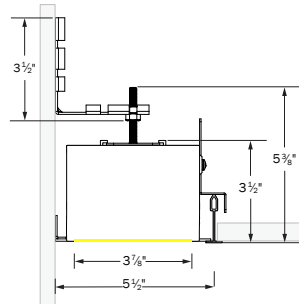
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SLOT
REGRESSED LENS



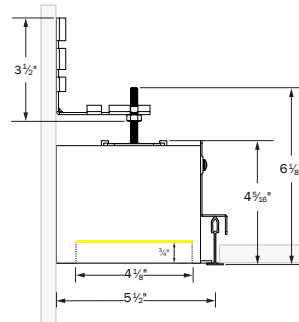
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SLOT
3" REGRESSED LENS



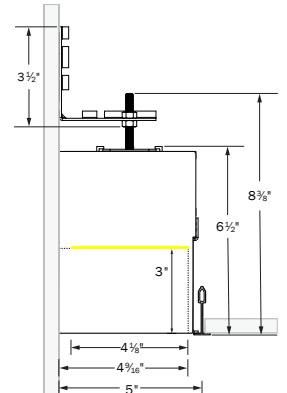
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TGRID 9/16
FLUSH LENS



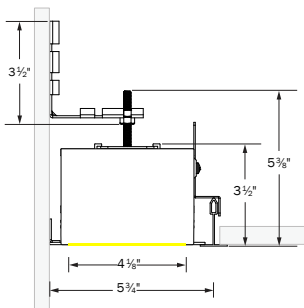
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TGRID 9/16
CONTROL ROLL LENS



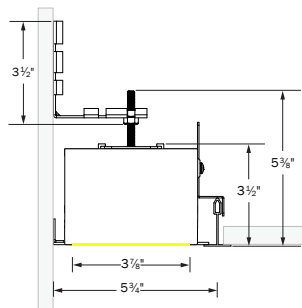
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TGRID 9/16
REGRESSED LENS



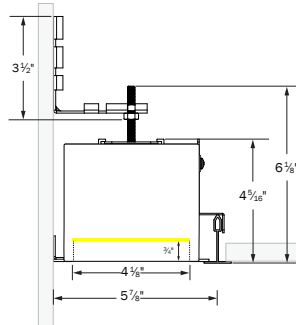
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TGRID 9/16
3" REGRESSED LENS



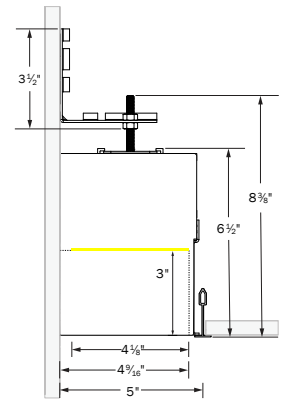
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TGRID 15/16
FLUSH LENS



LPX4PT5CN
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TGRID 15/16
CONTROL ROLL LENS



LPX4PT5RN
RECESSED PERIMETER
TGRID 15/16
REGRESSED LENS

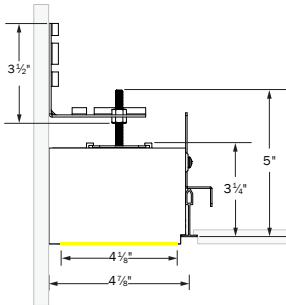


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TGRID 15/16
3" REGRESSED LENS

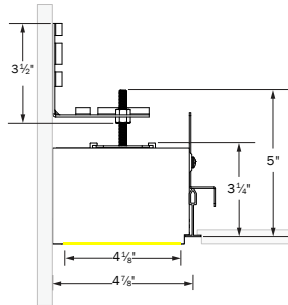
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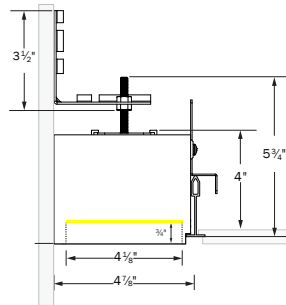
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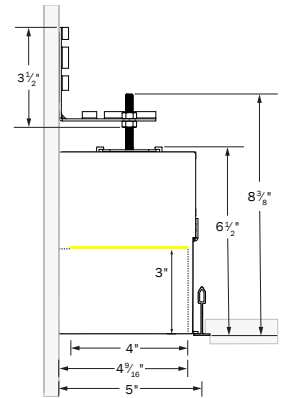
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REGULAR 9/16
FLUSH LENS



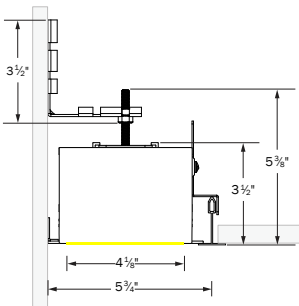
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REGULAR 9/16
CONTROL ROLL LENS



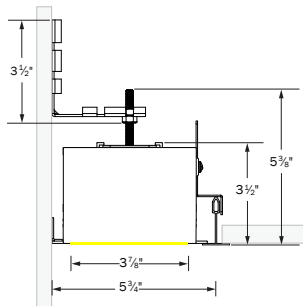
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RECESSED PERIMETER
REGULAR 9/16
REGRESSED LENS



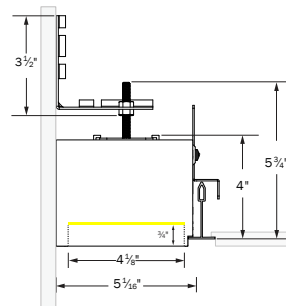
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RECESSED PERIMETER
REGULAR 9/16
3" REGRESSED LENS



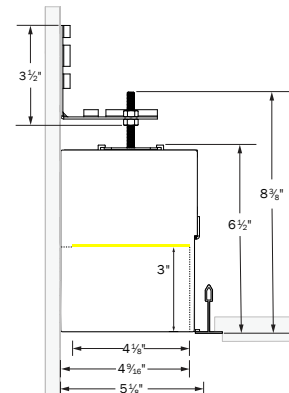
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REGULAR 15/16
REGRESSED LENS



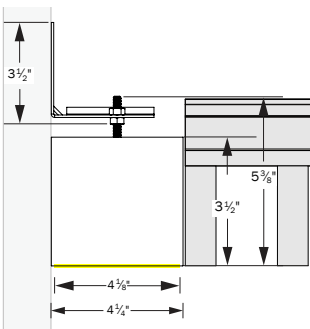
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RECESSED PERIMETER
REGULAR 15/16
CONTROL ROLL LENS



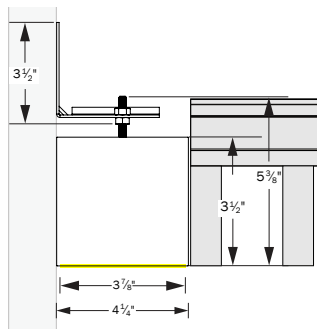
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REGULAR 15/16
REGRESSED LENS



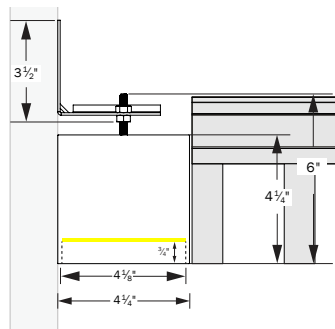
LPX4PG5GN
RECESSED PERIMETER
REGULAR 15/16
3" REGRESSED LENS



LPX4PAWFN
PERIMETER ARMSTRONG
WOODWORKS® GRILLE CLASSICS
FLUSH LENS



LPX4PAWFN
PERIMETER ARMSTRONG
WOODWORKS® GRILLE CLASSICS
CONTROL ROLL LENS

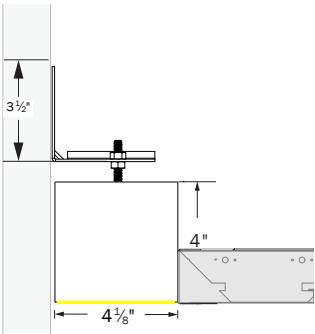


LPX4PAWRN
PERIMETER ARMSTRONG
WOODWORKS® GRILLE CLASSICS
REGRESSED LENS

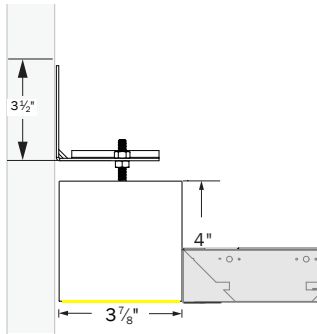
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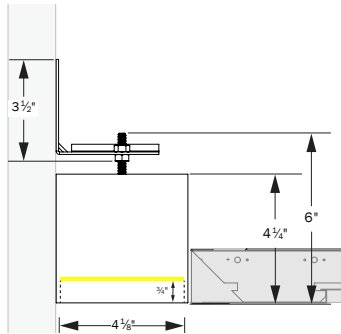
MECHANICAL DIAGRAMS CONT'D



LPX4PAMFN
PERIMETER ARMSTRONG
METALWORKS® LINEAR CLASSICS
FLUSH LENS



LPX4PAMCN
PERIMETER ARMSTRONG
METALWORKS® LINEAR CLASSICS
CONTROL ROLL LENS



LPX4PAMRN
PERIMETER ARMSTRONG
METALWORKS® LINEAR CLASSICS
REGRESSED LENS



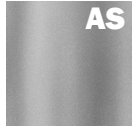
FINISHES

Standard finishes are available at no additional charge.

STANDARD FINISHES - QS ELIGIBLE



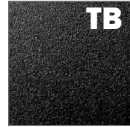
Satin
White
QS



Aluminum Silver
Anodized Effect
QS



Satin
Black
QS



Textured
Black
QS

PREMIUM FINISHES

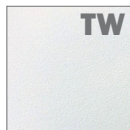
BASIC POWDER COAT



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

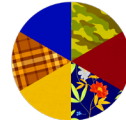
Printed or on-screen colors are only approximations. Please consult actual finish swatches before specifying. Contact the ALW Quotes Team (quotes@alw-inc.com) to request sample finish swatches.

SPECIAL ORDER FINISHES*



RAL CLASSIC COLORS (80-95% GLOSS): RAL_ _ _ _

Most RAL Classic Colors are available for a minimal 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 for more details.



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.
(e.g., If RAL5023 and RAL2008 are specified for multiple line items on a purchase order, 2x setup fees will apply)



PERFORMANCE DETAILS - STANDARD LENSES

OUTPUT OPTION	OPTIC TYPE	DELIVERED LUMENS/FT	EFFICACY (LM/W)	WATTS/FT ²¹	CRI OPTIONS	CCT OPTIONS
03 ²²	SL	364	121	3.01	80 90+	2700K 3000K 3500K 4000K 5000K
	SL (3/4" Regress)	390	130	3.01		
	SL (3" Regress)	373	124	3.01		
05 ²²	SL	344	114	4.35		
	SL (3/4" Regress)	519	119	4.35		
	SL (3" Regress)	555	128	4.35		
07 ²²	SL	489	113	6.27		
	SL (3/4" Regress)	776	117	6.27		
	SL (3" Regress)	830	132	6.27		
10 ²²	SL	732	117	9.0		
	SL (3/4" Regress)	1024	114	9.0		
	SL (3" Regress)	1095	122	9.0		
12 ²²	SL	1047	116	10.97		
	SL (3/4" Regress)	965	107	10.97		
	SL (3" Regress)	653	73	10.97		
TUNE	SL (Warm White)	482	78	6.2	90	2700K - 6500K
	SL (Cool White)	512	83	6.2		
RGB ²³	SL	96	20	4.7	-	
RGBW ²³	SL (White)	183	56	6.62	W: 80 CRI	W: 3500K
	SL (RGB)	190	56	6.62		

²¹ 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%.

²² Performance calculations are based on LM-79 test of 1200lm output at 80 CRI and 3500K. All other output calculations are extrapolated values.

²³ 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 ²¹	CRI OPTIONS	CCT OPTIONS
03 ²²	CR SL (Lambertian)	373	151	2.5	80+ 90+	2700K 3000K 3500K 4000K 5000K
	CR AL (Asymmetric)	423	171			
	CR LG (LowGlare)	419	170			
05 ²²	CR SL (Lambertian)	512	150	3.4		
	CR AL (Asymmetric)	582	170			
	CR LG (LowGlare)	576	168			
07 ²²	CR SL (Lambertian)	759	148	5.1		
	CR AL (Asymmetric)	862	168			
	CR LG (LowGlare)	853	166			
10 ²²	CR SL (Lambertian)	1025	146	7.0		
	CR AL (Asymmetric)	1165	166			
	CR LG (LowGlare)	1153	164			
12 ²²	CR SL (Lambertian)	1207	144	8.4		
	CR AL (Asymmetric)	1371	164			
	CR LG (LowGlare)	1356	162			
15 ²²	CR SL (Lambertian)	1533	142	10.8		
	CR AL (Asymmetric)	1741	161			
	CR LG (LowGlare)	1723	159			
TUNE	SL (Warm White)	578	93	6.2	90	2700K - 6500K
	SL (Cool White)	613	99			
RGB ²³	SL	115	24	4.76	N/A	
RGBW ²³	SL (White)	111	24	6.62	W: 80 CRI	W: 3500K
	SL (RGB)	115	34	6.62		

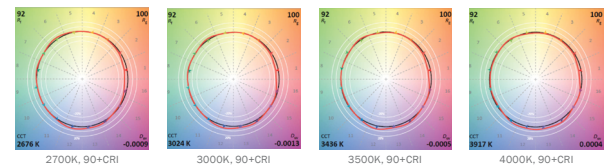
²¹Lumens/Watt and Watts/ft have been calculated assuming a driver efficiency of 85%. Depending on field conditions, actual measured values may fluctuate by 5-8%.

²²Performance calculations are based on LM-79 test of 600lm output at 80 CRI and 3500K. All other output calculations are extrapolated values.

²³Performance 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



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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 LAMPING COMPATIBILITY						
	STD	STD/BIOS	TUNE*	RGB OR RGBW	CA TITLE 24 JA8/JA10 ²⁴	IEEE P1789 & HD TV STUDIO ²⁵
V00	●	●	●		●	
V01	●	●	●		●	
LDE	●	●			●	●
P01	●	●			●	
ELO	●	●	●		●	●
DALI	●	●	●		●	
DMX	●	●	●	●	PER REQUEST	PER REQUEST
POE/READY	PER REQUEST					

● - Indicates compatibility

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

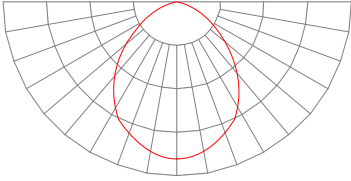
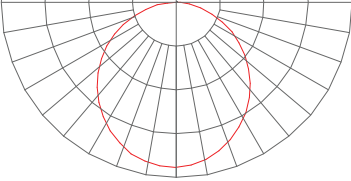
²⁴ Fixtures specified with 90CRI 2700K, 3000K, 3500K, 4000K. and 5000K lamping with applicable LED drivers have the ability to conform to California Title 24 JA8 and JA10 Appendices

²⁵ 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) ²⁶ (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			

* 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](#)

²⁶ 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

OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC) ²⁶ (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](#)

²⁶Spacing 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 - LOUVERS

LOUVER TYPE	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC) ²⁶ (0° - 180°) (90° - 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
QW		6 ft	17.9	1.10 1.18	633.8	1296
		8 ft	10.1			
		10 ft	6.5			
		12 ft	4.5			
		14 ft	3.3			
		16 ft	2.5			
HW		6 ft	18.9	.92 .94	678.7	1003
		8 ft	10.6			
		10 ft	6.8			
		12 ft	4.7			
		14 ft	3.5			
		16 ft	2.7			
QB		6 ft	15.1	1.04 1.04	517.3	826
		8 ft	8.5			
		10 ft	5.5			
		12 ft	3.8			
		14 ft	2.8			
		16 ft	2.1			
HB		6 ft	13.9	.80 .82	489.1	427
		8 ft	7.8			
		10 ft	5.0			
		12 ft	3.5			
		14 ft	2.6			
		16 ft	2.0			

*Photometric calculations based on 1200lm 3500K 80 CRI fixture combination. Actual results may vary in the field.
For footcandle and output multipliers refer to page 9.

²⁶Spacing 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

L70 Calculated: 180,000hrs (80CRI), 171,000hrs (90+CRI)

L80 Calculated: 119,000hrs (80CRI), 108,000hrs (90+CRI)

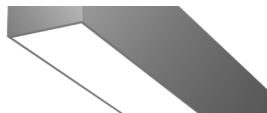
L90 Calculated: 58,000hrs (80CRI), 53,000hrs (90+CRI)

HOUSING

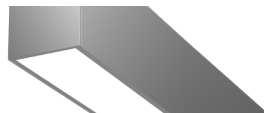
100% recyclable, extruded architectural grade 6063 aluminum with a 0.09" minimum wall thickness.

LENS & OPTICS

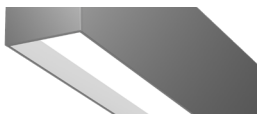
LPX4P has four different lens types: Flush, ControlRoll Flush, Regressed, and 3" Regressed. A wide range of optics are available including, Lambertian, Asymmetric, and Low Glare. See page 4 for the Lens & Optics Compatibility chart.



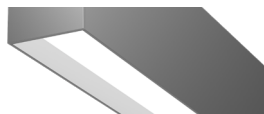
F
STANDARD FLUSH



C
CONTROL ROLL FLUSH



R
REGRESSED



G
3" 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.

All recessed models are IC (Insulation Contact) Rated.

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, 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.

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.

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