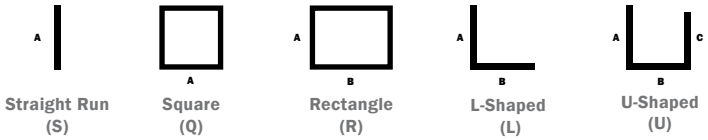
LIGHTPLANE+ 4P

LPX4P | RECESSED PERIMETER

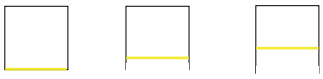
SPECIFICATIONS

PROFILE	4” Aperture, 4 1/4” height
SIZES	Individual/Straight Run sections starting at 2ft. Continuous runs & shapes
LED OUTPUT	350lm/ft - 1,500lm/ft, up to 169 lm/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, Enlighted, 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 Snap-in & ControlRoll Flush • Regressed
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 BIOSpages for recommended options that contribute to meeting the WELL Building Standard™

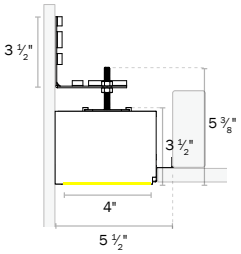
DISTRIBUTIONS & PROFILES

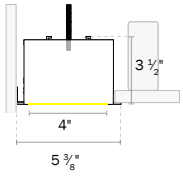


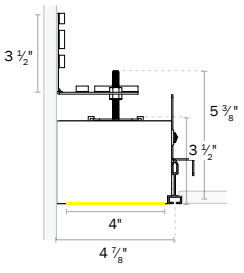
LENS

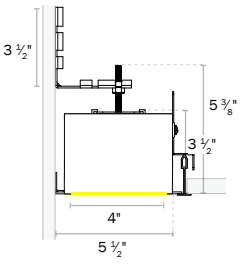


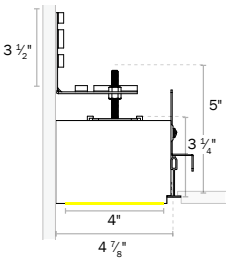
PROFILES











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

c UL us LISTED · PoE Ready · bios ILLUMINATED · Declare.

ALW

PRODUCT SPECIFICATION SHEET

LPX	4	P	—		—				—			—	—	—		—			—	—	—
1	2	3	4	5		6		7	8	9	10	11		12	13	14		15		16	17	18	19

EXAMPLE: LPX4PMDFN — S8 — 053090SLV00 — SW — N — UNV — EMC/2 — N — CP — DC — QS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

1. FAMILY

- ■ **LPX** Lightplane+

2. SIZE

- ■ **4** 4”

3. MODEL (CHOOSE 1)

- ■ **P** Recessed Perimeter Direct

4. MOUNTING (CHOOSE 1)

- ☐ **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®

[1]For install in wood, drywall, metal, etc.
[2]Not compatible with 3” regressed lens option (R3)
[3]All 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.

5. LENS TYPE (CHOOSE 1)

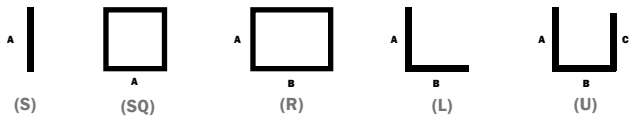
- ☐ **FN** Flush Lens
- ☐ **RN** Regress Lens (3/4”)
- ☐ **GN** Regress Lens (3”)
- ☐ **CN** ControlRoll Flush Lens*

*Select for Widespread & Asymmetric Optics

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

- ☐ **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)*

*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.



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

Shape orientation (Looking from the Ceiling down to the floor).

7. LUMENS* (CHOOSE 1)

- ☐ **03** 350lm/ft
- ☐ **05** 500lm/ft
- ☐ **07** 750lm/ft
- ☐ **10** 1000lm/ft
- ☐ **12** 1200lm/ft
- ☐ **15**[4] 1500lm/ft
- ☐ **RB** RGB
- ☐ **RW** RGB + 3500K White, 80CRI
- ☐ **BO/____**[5] BIOS. 80 CRI. Choose your lm/ft
- ☐ **CM/____**[6] Custom Lumens. *Write in your lumens/ft (ex: 0100 = 100lm/ft).*

*For delivered lumens and watts, see ‘Performance Details’
[4]1500lm/ft option only available with Control Roll lenses
[5]Contact ALW for specific BIOS specifications
[6]Custom lumens available from 100 - 1500lm/ft

8. CCT (CHOOSE 1)

- ☐ **N** Choose for RB, RW, or BO
- ☐ **27**[7] 2700K
- ☐ **30** 3000K
- ☐ **35** 3500K
- ☐ **40** 4000K
- ☐ **50**[8] 5000K
- ☐ **TW**[9] Tunable White, 90CRI, 2700K - 6500K

[7]2700K only available in 90CRI
[8]5000K only available in 80CRI
[9]Tunable White (TW) not available with BIOS. BIOS has its own tunable white option to be specified by request.

9. CRI (CHOOSE 1)

- ☐ **N** Choose for RB, RW, or TW
- ☐ **80** 80
- ☐ **90** 90

10. OPTICS* (CHOOSE 1)

- ☐ **SL**[10] Standard Lambertian
- ☐ **LG**[10] Low Glare

CONTROLROLL LENS ONLY

- ☐ **AL**[11] Asymmetric Left (outside of shape)
- ☐ **AR**[11] Asymmetric Right (inside of shape)
- ☐ **WS** Widespread

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

SL LG AL AR WS

11. DRIVER* (CHOOSE 1)

- ☐ **V00** 0-10V, dim to 0%
- ☐ **V01** 0-10V, dim to 1%
- ☐ **LDE** Lutron LDE1 Ecosystem, dim to 1%
- ☐ **P01**[12] ELV/TRIAC phase dim to 1%
- ☐ **TSE**[13] Lutron T-Series Driver
- ☐ **EL0** eldoLED, 0-10V dim to 0%
- ☐ **DAL** DALI, dim to 0%
- ☐ **DMX**[14] DMX, dim to 0%
- ☐ **POE**[15] POE Ready
- ☐ **CM**[16] Custom driver

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

12. FINISH* (CHOOSE 1)

STANDARD FINISHES

- ☐ **SW** ☐ Satin White
- ☐ **SB** ■ Satin Black
- ☐ **AS** Aluminum Silver Anodized Effect
- ☐ **TB** ■ 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*

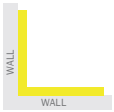
- ☐ **RAL____** Specify RAL Classic Color (Ex: RAL 3003)
- ☐ **CCM____** Specify Catalog Colors Custom Color Match

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

PRODUCT SPECIFICATION SHEET CONT'D

13. MOUNTING DETAILS (CHOOSE 1)

- ☐ **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)

14. VOLTAGE (CHOOSE 1)

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

15. EMERGENCY CIRCUITS (OPTIONAL)

- ☐ **N** None
- ☐ **EMC/__**[17] 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)*

[17] 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.

16. CONTROL OPTIONS* (OPTIONAL)

- ☐ **N** None

FACTORY CONTROLS

- ☐ **OS/PH/INT/__** Integral Occupancy/ Daylight sensor
- ☐ **OS/PH/HV/__** Remote Occupancy/ Daylight sensor

Embedded controls below are placeholder specs. See the ALW Controls Guide to finalize your final control spec.

- ☐ **AY/xx** Acuity
- ☐ **AN/xx** Avi-on
- ☐ **CA/xx** Casambi
- ☐ **CW/xx/__** Cooper Wavelinx
- ☐ **EC/xx/__** Encelium
- ☐ **EN/xx/__** Enlighted
- ☐ **LU/xx/__** Lutron
- ☐ **NX/xx/__** NX Controls
- ☐ **WA/xx/__** Wattstopper

*Contact ALW for Additional Zone specifications

17. ADDITIONAL OPTIONS - A (OPTIONAL)

- ☐ **N** None
- ☐ **CP** Chicago Plenum

18. ADDITIONAL OPTIONS - B* (INCLUDED)

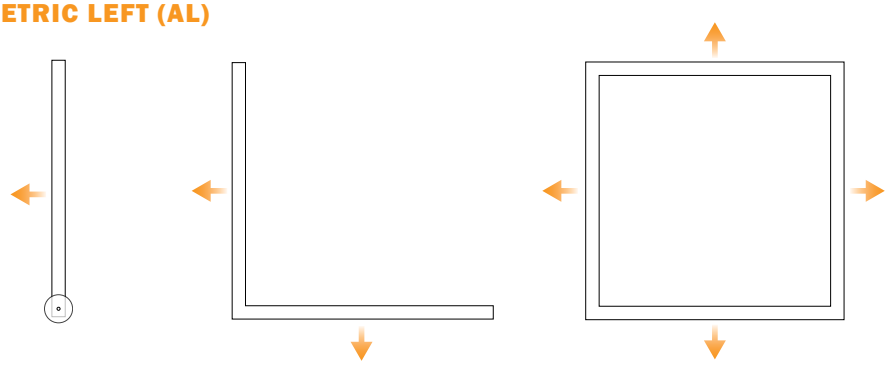
- ■ **DC** Living Building Challenge Declared or Red List Approved

*See Declare page for LP+ Declare listing

LENS & OPTICS COMPATIBILITY

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

ASYMMETRIC LEFT (AL)

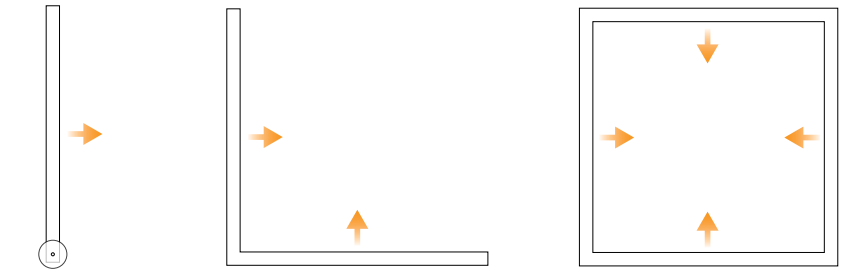


Straight Sections
Light is thrown to left of the powerfeed

Shapes
Light is thrown outside the shape

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

ASYMMETRIC RIGHT (AR)

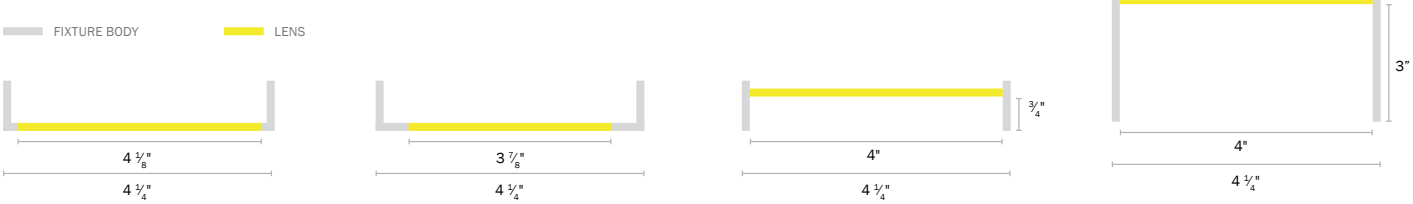


Straight Sections
Light is thrown to right of the powerfeed

Shapes
Light is thrown inside the shape

LENS DETAILS

Applicable to all models



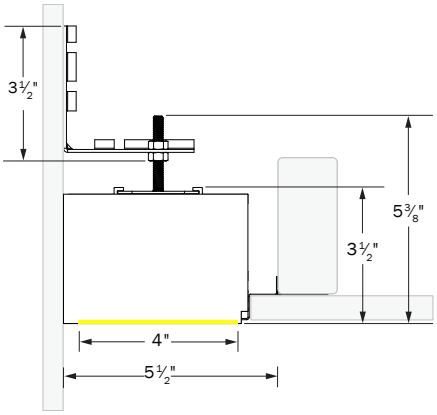
F
FLUSH

C
CONTROL ROLL FLUSH

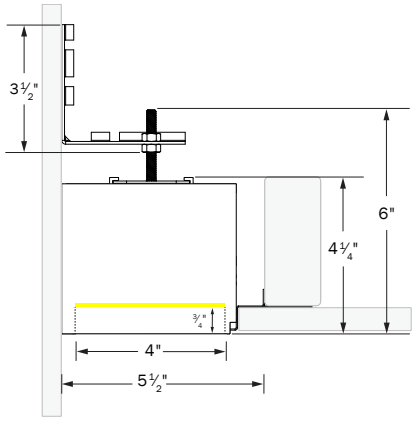
R
REGRESS LENS

GN
3" REGRESS LENS

MECHANICAL DIAGRAMS



LPX4PMDFN
RECESSED PERIMETER MUD-IN
FLUSH LENS



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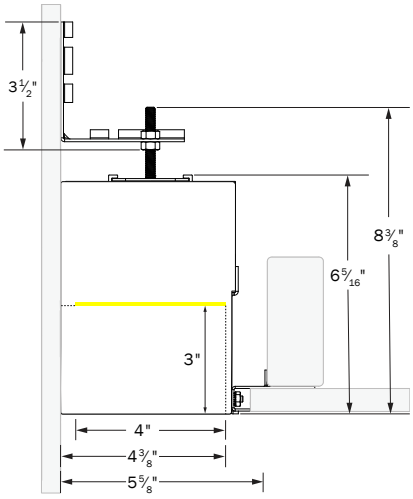
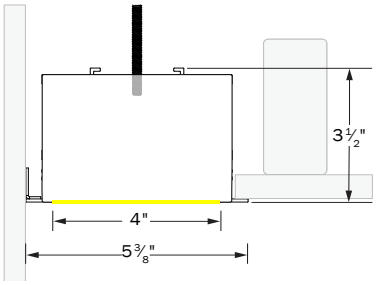
REGRESSED LENS



LPX4PMDGN
RECESSED PERIMETER MUD-IN
3" REGRESSED LENS



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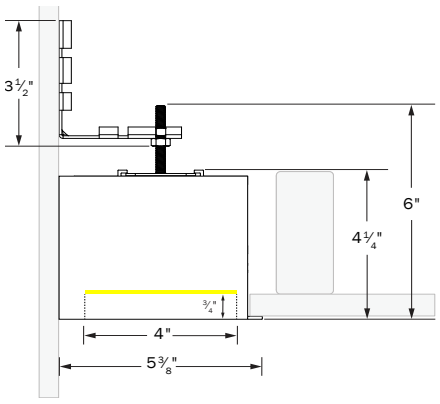
FLUSH LENS



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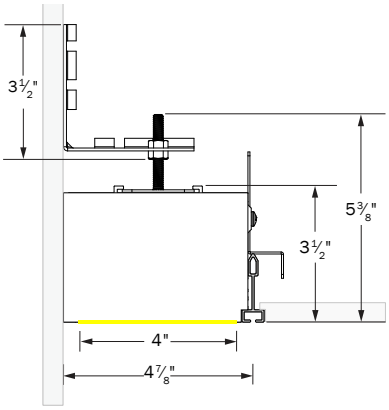
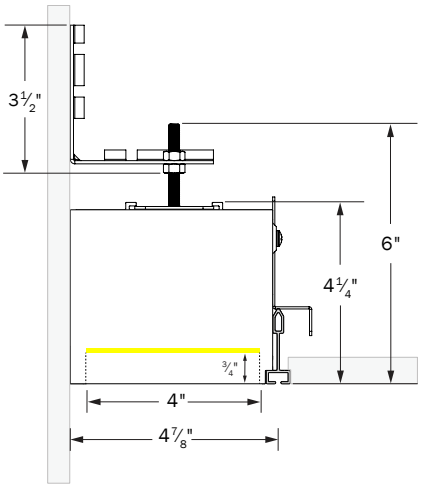
REGRESSED LENS



LPX4PSTFN
RECESSED PERIMETER SLOT
FLUSH LENS

MECHANICAL DIAGRAMS CONT'D



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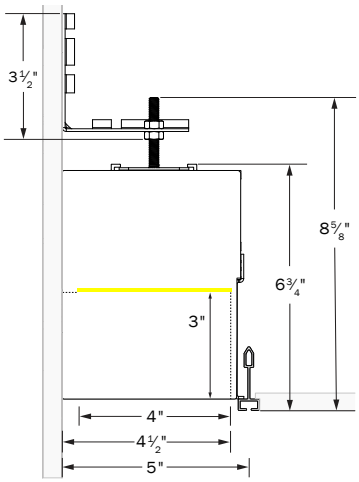
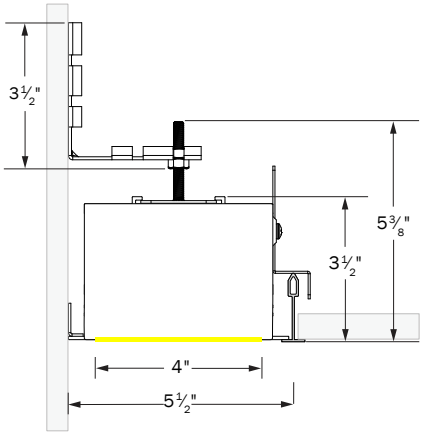
REGRESSED LENS



LPX4PSTGN
RECESSED PERIMETER SLOT
3" REGRESSED LENS



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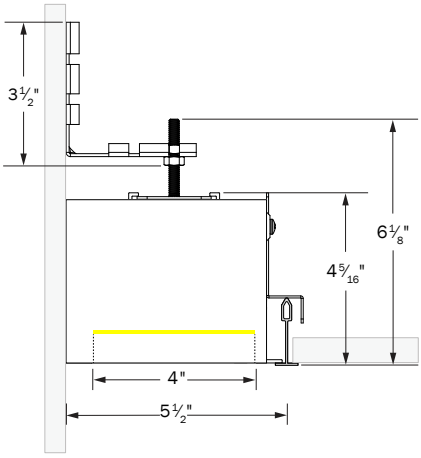
RECESSED PERIMETER TGRID 9/16
FLUSH LENS



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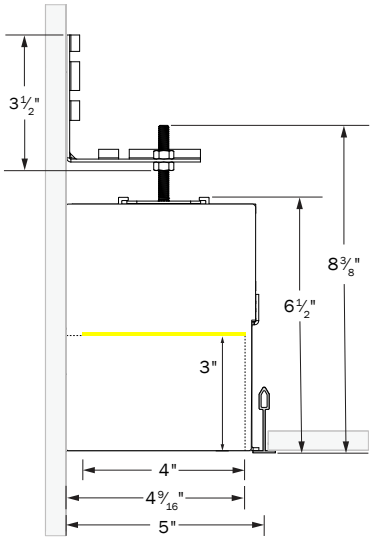
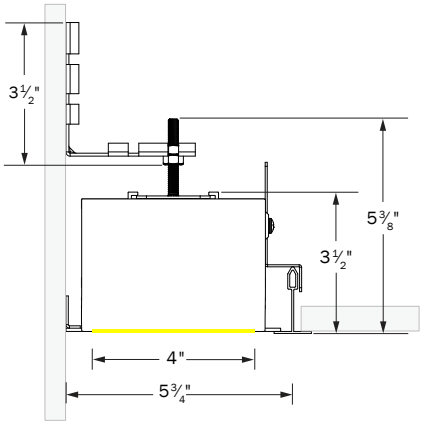
RECESSED PERIMETER TGRID 9/16
REGRESSED LENS

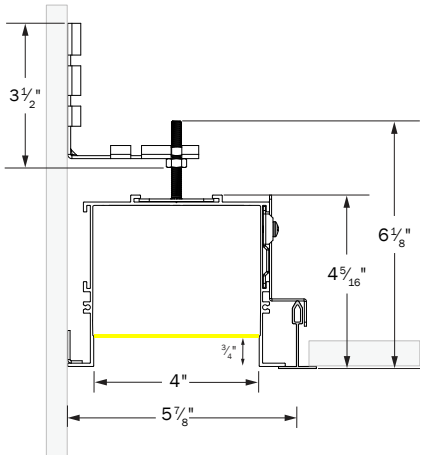


LPX4PT9GN
RECESSED PERIMETER TGRID 9/16
3" REGRESSED LENS

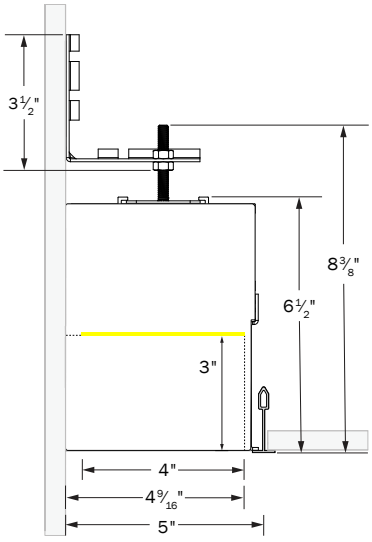


LPX4PT5FN
RECESSED PERIMETER TGRID 15/16
FLUSH LENS

MECHANICAL DIAGRAMS CONT'D



LPX4PT5RN
RECESSED PERIMETER TGRID 15/16
REGRESSED LENS



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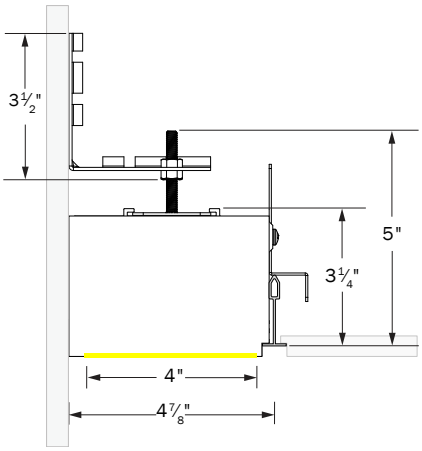
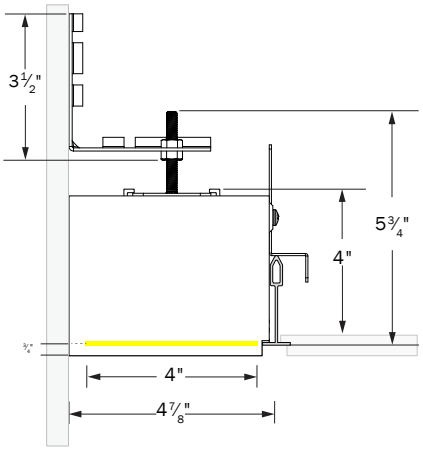
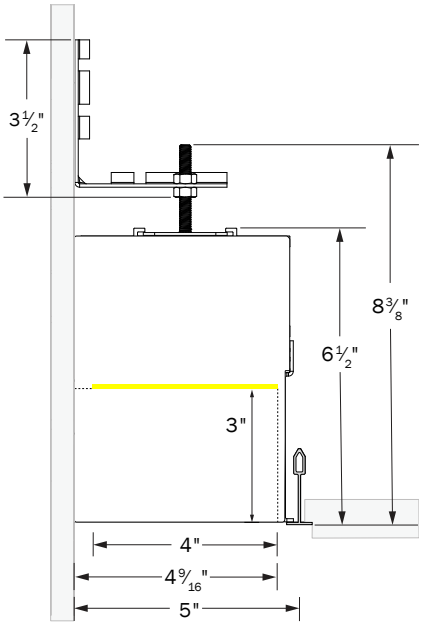
RECESSED PERIMETER TGRID 15/16
3" REGRESSED LENS



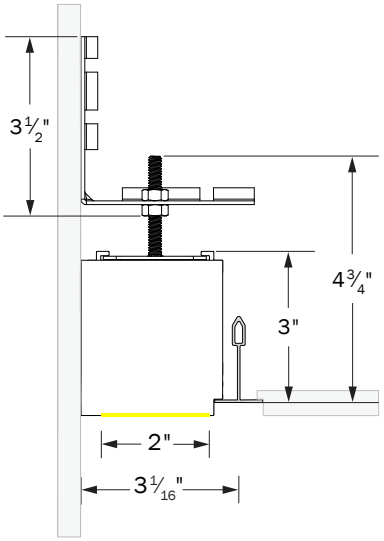
LPX4PG9FN
RECESSED PERIMETER
TEGULAR 9/16
FLUSH LENS



LPX4PG9RN
RECESSED PERIMETER
TEGULAR 9/16
REGRESSED LENS

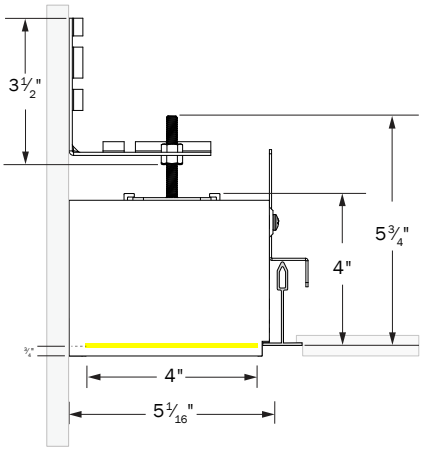


LPX4PG9GN
RECESSED PERIMETER
TEGULAR 9/16
3" REGRESSED LENS

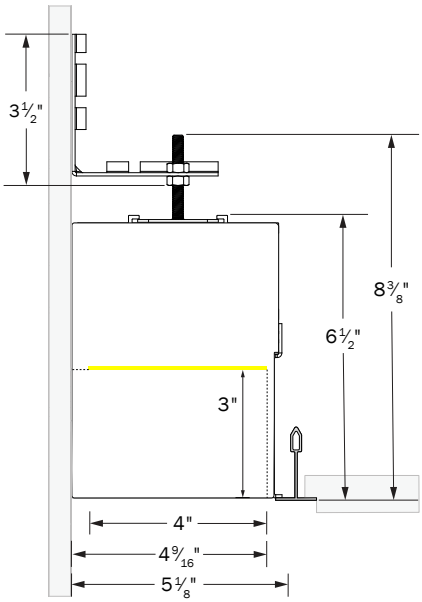


LPX4PG5FN
RECESSED PERIMETER
TEGULAR 15/16
FLUSH LENS

MECHANICAL DIAGRAMS CONT'D



LPX4PG5RN
RECESSED PERIMETER
TEGULAR 15/16
REGRESSED LENS



LPX4PG5GN
RECESSED PERIMETER
TEGULAR 15/16
3" REGRESSED LENS

STANDARD FINISHES

Standard finishes are available at no additional charge.

STANDARD FINISHES - QS ELIGIBLE

SW	AS	SB	TB
Satin White QS	Aluminum Silver Anodized Effect QS	Satin Black QS	Textured Black QS

PREMIUM FINISHES

BASIC POWDER COAT

GW	AW	TW
Gloss White	Antimicrobial Gloss White	Textured Matte White

METALLIC POWDER COAT

CG	CU	BR
Charcoal Gray	Copper	Brass

SATIN ANODIZED EFFECT POWDER COAT

OB	DB
Oil-Rubbed Bronze	Dark Bronze

GLOSS POWDER COAT (80-95% GLOSS)

GO	GR	GM	GB
Orange RAL 2003	Red RAL 3020	Magenta RAL 4010	Blue RAL 5015

Contact ALW Quotes for sample paint finish swatches.

SPECIAL ORDER FINISHES*

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

Most RAL Classic Colors are available for a minimum setup fee. On your specification submittal choose your RAL color by entering the 4-digit RAL code (Ex: RAL 3003).
See www.alw-inc.com/resources/finishes

CUSTOM COLOR MATCH: CCM_ _ _ _

Custom powder coat color matching is available for a premium setup fee. Consult ALW for additional information.

*An individual setup fee will apply to each unique Special Order Finish per purchase order.
(ex: RAL 5023 and RAL 2008 are specified for multiple line items on a purchase order. 2x setup fees will apply)

*Printed or on-screen colors are only approximations - consult actual Color Chip Set before specifying

PERFORMANCE DETAILS - STANDARD LENSES

OUTPUT OPTION	OPTIC TYPE	DELIVERED LUMENS/FT	EFFICACY (LM/W)	WATTS/FT[18]	CRI OPTIONS	CCT OPTIONS
03[19]	SL	364	121	3	80+ 90+	2700K 3000K 3500K 4000K 5000K
	LG	463	154			
	SL (3/4" Regress)	390	130			
	LG (3/4" Regress)	373	124			
	SL (3" Regress)	344	114			
	LG (3" Regress)	232	77			
05[19]	SL	519	119	4.4		
	LG	659	152			
	SL (3/4" Regress)	555	128			
	LG (3/4" Regress)	530	122			
	SL (3" Regress)	489	113			
	LG (3" Regress)	331	76			
07[19]	SL	776	117	6.3		
	LG	985	157			
	SL (Regress)	830	132			
	LG (Regress)	793	127			
	SL (3" Regress)	732	117			
	LG (3" Regress)	495	79			
10[19]	SL	1024	114	9		
	LG	1300	144			
	SL (Regress)	1095	122			
	LG (Regress)	1047	116			
	SL (3" Regress)	965	107			
	LG (3" Regress)	653	73			
12[19]	SL	1223	111	11		
	LG	1553	142			
	SL (Regress)	1309	119			
	LG (Regress)	1250	114			
	SL (3" Regress)	1153	105			
	LG (3" Regress)	780	71			
TUNE	SL (Warm White)	921	65	14.2	90	2700K - 6500K
	SL (Cool White)	977	69			
RGB[20]	SL	184	39	4.7	N/A	
RGBW[20]	SL	W: 177 RGB: 184	53	6.8	W: 80 CRI	W: 3500K

[18] *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%.*

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

[20] *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

PERFORMANCE DETAILS - CONTROLROLL

OUTPUT OPTION	OPTIC TYPE	DELIVERED LUMENS/FT	EFFICACY (LM/W)	WATTS/FT[21]	CRI OPTIONS	CCT OPTIONS
03[22]	SL	373	151	2.5	80+ 90+	2700K 3000K 3500K 4000K 5000K
	WS	420	170			
	AL	423	171			
	LG	419	170			
05[22]	SL	512	150	3.4		
	WS	577	169			
	AL	582	170			
	LG	576	168			
07[22]	SL	759	148	5.1		
	WS	855	167			
	AL	862	168			
	LG	853	166			
10[22]	SL	1025	146	7		
	WS	1155	164			
	AL	1165	166			
	LG	1153	164			
12[22]	SL	1207	144	8.4		
	WS	1360	163			
	AL	1371	164			
	LG	1356	162			
15[22]	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			
RGB[23]	SL	231	49	4.7	N/A	
RGBW[23]	SL	231	34	6.8	W: 80 CRI	W: 3500K

[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 600lm 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*

DRIVERS

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

*Most drivers can be programmed to specific dimming levels if desired. Contact ALW for specific dimming level requests.
ALW lighting fixtures are intended for use with a wide range of sensors, lighting controls, LED drivers, and building management systems. If there are specific components required for your application that aren't listed on this spec sheet, please contact ALW customer support to specify a compatible solution of your choice.

DRIVER/LED LAMPING COMPATIBILITY						
	STD	STD/BIOS	TUNE*	RGB OR RGBW	CA TITLE 24 JA8/JA10[24]	IEEE P1789 & HD TV STUDIO[25]
V00	●	●	●		●	
V01	●	●	●		●	
LDE	●	●			●	●
P01	●	●			●	
EL0	●	●	●		●	●
TSE			●		●	●
DALI	●	●	●		●	
DMX	●	●	●	●	PER REQUEST	PER REQUEST
POE/READY	PER REQUEST					

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

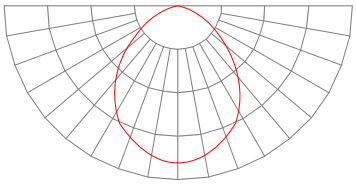
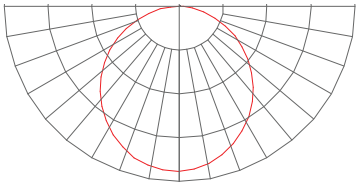
● - Indicates compatibility

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

[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.

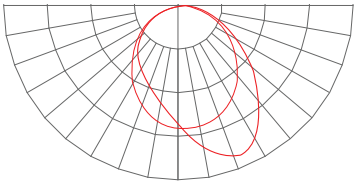
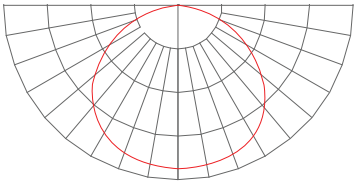
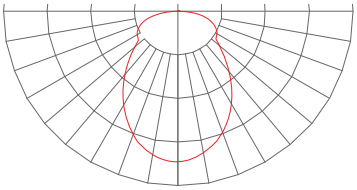
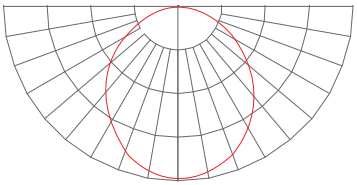
PHOTOMETRICS - STANDARD LENSES

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)[27] (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

[27]Spacing criterion refers to maximum distance luminaires can be spaced to provide uniform illumination on the working plane or surface.
Luminaire spacing = Spacing Criterion (SC) x Mounting Height (MH) (ex. 1.14 (SC) x 10' (MH) = 11.4' Luminaire Spacing).

ADDITIONAL OPTIONS & SPECIFICATIONS

LED PERFORMANCE

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

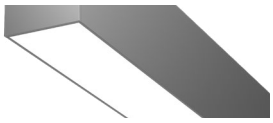
90 CRI | L70 Calculated Hours: 171,000hrs
L80 Calculated Hours: 108,000hrs

HOUSING

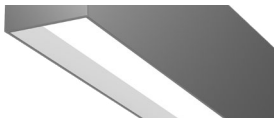
100% recyclable, extruded architectural grade 6063 aluminum with a 0.09" minimum wall thickness.

LENS & OPTICS

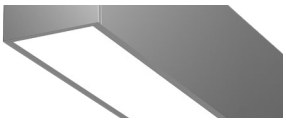
ALW offers three different lens types: Flush, ControlRoll Flush, Reveal and Regressed. A wide range of optics are available including, Lamberian, Asymmetric ControlRoll, Low Glare, and Widespread ControlRoll. See page 4 for the Lens & Optics Compatibility chart.



FN
STANDARD FLUSH



RN
REGRESSED



CN
CONTROL ROLL FLUSH

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.