



LIGHTPLANE+ 4P

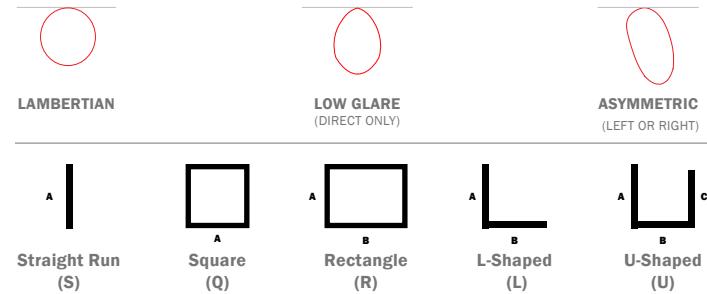
LPX4P | RECESSED PERIMETER



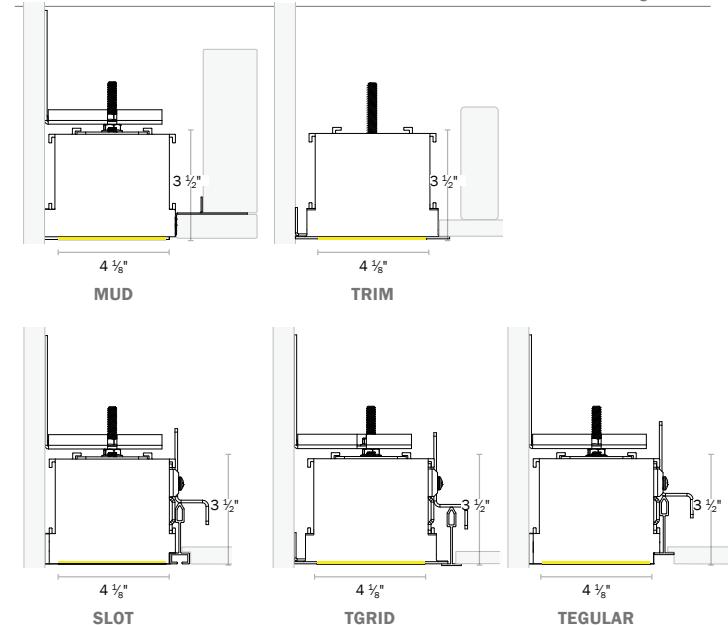
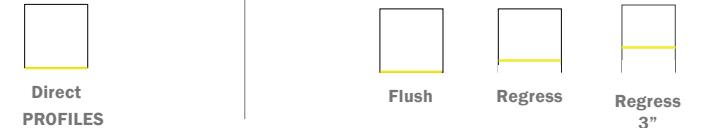
SPECIFICATIONS

| | |
|--------------------------|---|
| PROFILE | 4 $\frac{1}{8}$ " Aperture, 3 $\frac{1}{2}$ " 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



DISTRIBUTION



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 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|

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

FN⁴ Flush Lens

TM^{1,2} Trim

RN⁴ Regress Lens (3/4")

ST Slot

GN⁴ Regress Lens (3")

T9 TGrid 9/16

CR⁴ ControlRoll Flush Lens

T5 TGrid 15/16

⁴Available in Lambertian (SL) Optic only.

G9 Tegular 9/16

⁵Available in all Optic Types (SL, LG, AL, AR).

G5 Tegular 15/16

AW^{2,3} Armstrong Woodworks[®]

AM^{2,3} Armstrong Metalworks[®]

²For install in wood, drywall, metal, etc.

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

⁴All 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)

03 350lm/ft

N Choose for RB, RW, or BO

Q__ Square Configuration (enter side length A, ex: Q18)

05 500lm/ft

27¹⁰ 2700K

R__/_

07 750lm/ft

30 3000K

L__/_

10 1000lm/ft

35 3500K

U__/_/_

12 1200lm/ft

40 4000K

U__/_/_ U-Shaped Configuration (enter side lengths A, B, and C, ex. U12/12/24)

15⁶ 1500lm/ft

50¹¹ 5000K

* 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.

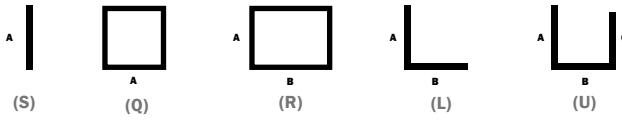
TW¹² Tunable White, 90CRI, 2700K - 6500K

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

¹⁰2700K only available in 90CRI.

¹¹5000K only available in 80CRI.

¹²Tunable White (TW) not available with BIOS. BIOS has its own tunable white option to be specified by request.



For delivered lumens power, see 'Performance Details' on p. 10.

⁶1500lm/ft option only available with ControlRoll lenses.

⁷Available in Lambertian (SL) Optic only.

⁸Write in desired lm/ft (100 - 1200lm/ft). Static BIOS

SkyBlue® 490nm LED is always on. Dynamic BIOS

SkyBlue® 490nm LED can be tuned off.

⁹Custom lumens available from 100 - 1500lm/ft.

| 9. CRI (CHOOSE 1) | 10. OPTICS* (CHOOSE 1) | 11. DRIVER* (CHOOSE 1) |
|-------------------|------------------------|------------------------|
|-------------------|------------------------|------------------------|

N Choose for RB, RW, or TW

SL¹³ Standard Lambertian

V00 0-10V, dim to 0%

80 80CRI

LG¹⁴ Low Glare

V01 0-10V, dim to 1%

90 90CRI

AL¹⁴ Asymmetric Left (outside of shape)

LDE Lutron LDE1 Ecosystem, dim to 1%

AR¹⁴ Asymmetric Right (inside of shape)

P01¹⁵ ELV/TRIAC phase dim to 1%

*See LEED + WELL guide for optic/output combos that fall under standard UGR and intensity levels

ELO eldoLED, 0-10V dim to 0%

¹³Available in all Lens Types.

DAL DALI, dim to 0%

¹⁴Only available with ControlRoll (C) Lens optics. See p. 4 for LED and Optics Compatibility.

DMX DMX, dim to 0%

¹⁵See p. 4 for explanation of Asymmetric Lens specification.

POE¹⁶ POE Ready



CM¹⁷ Custom driver

*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.

¹⁶Phase dim drivers are 120 VAC only.

¹⁷Luminaire 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

Rev 122925



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 type="checkbox"/> Textured Black | 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 | UNV¹⁸ Universal Voltage (120VAC-277VAC) 347¹⁹ 347 Volt (Driver options may be limited. Not available with EMB) | 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) |

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

(I) (O)

| 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 | N None CP Chicago Plenum | DC Living Building Challenge Declared or Red List Approved |

*See [Declare page](#) for LP+ Declare listing

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 |

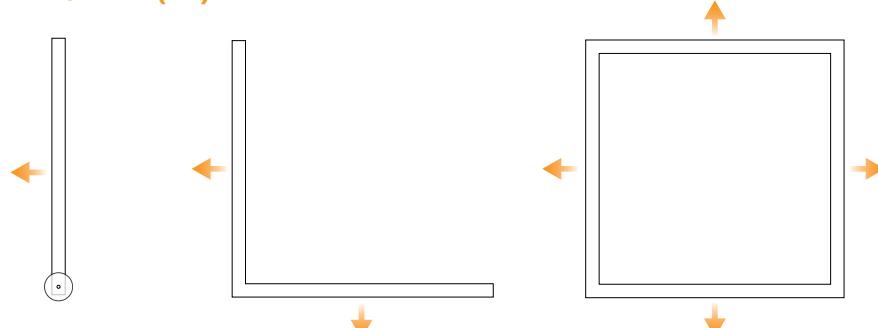
*Contact ALW for Additional Zone specifications



LENS & OPTICS COMPATIBILITY

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

ASYMMETRIC LEFT (AL)



Straight Sections

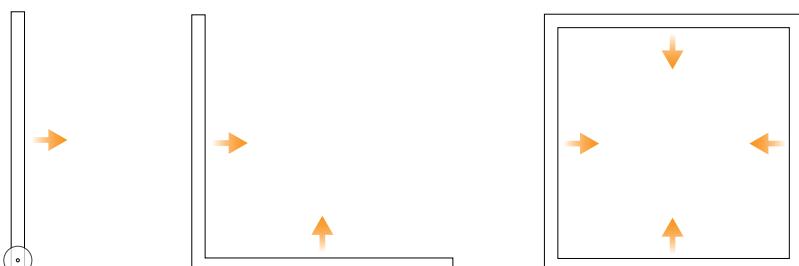
Light is thrown to left of the power feed
(Lens can be reoriented in the field)

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

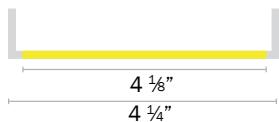
Light is thrown inside the shape
(Lens cannot be reoriented in field because of mitered corners)



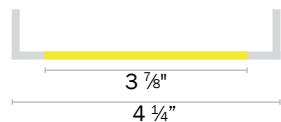
LENS DETAILS

Applicable to all models

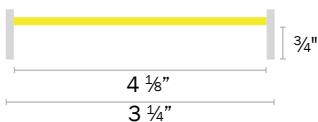
Fixture Body Lens



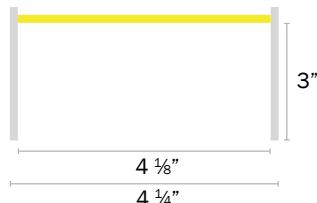
FN
FLUSH



CN
CONTROL ROLL FLUSH

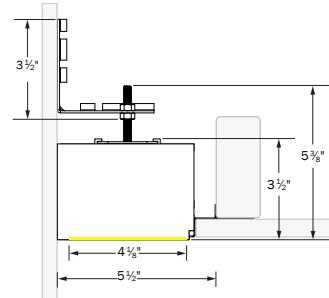


RN
REGRESS LENS

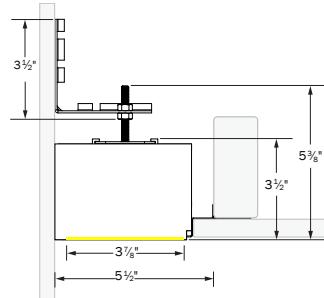


GN
3" REGRESS LENS

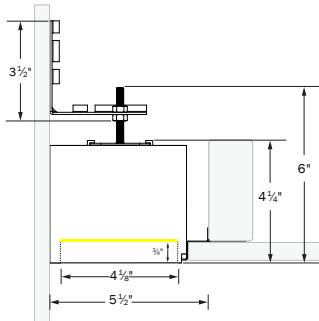
MECHANICAL DIAGRAMS



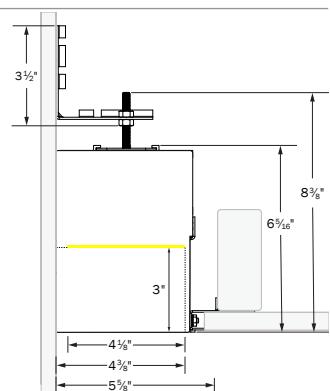
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RECESSED PERIMETER
MUD-IN
FLUSH LENS



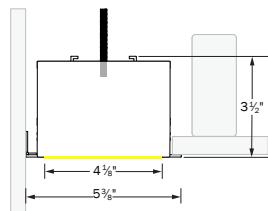
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MUD-IN
CONTROL ROLL LENS



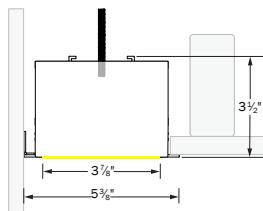
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MUD-IN
REGRESSED LENS



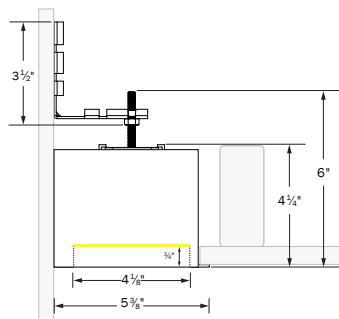
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RECESSED PERIMETER
MUD-IN
3" REGRESSED LENS



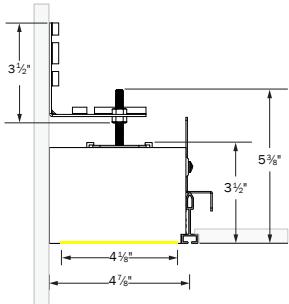
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TRIM
FLUSH LENS



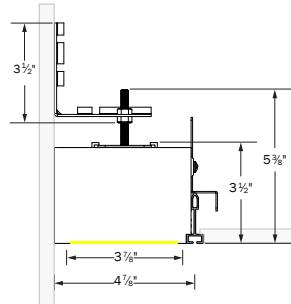
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RECESSED PERIMETER
TRIM
CONTROL ROLL LENS



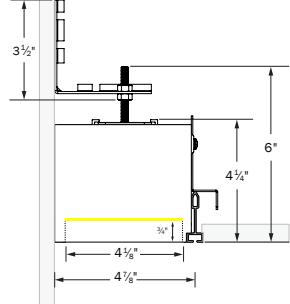
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RECESSED PERIMETER
TRIM
REGRESSED LENS

MECHANICAL DIAGRAMS CONT'D


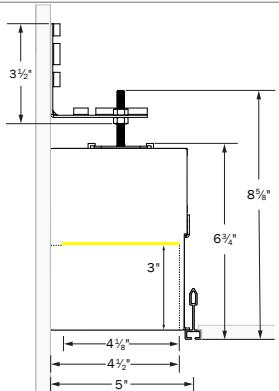
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SLOT
FLUSH LENS



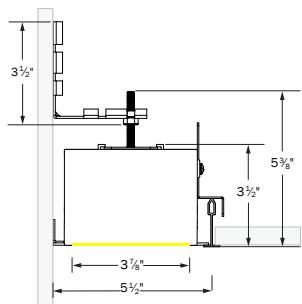
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SLOT
CONTROL ROLL LENS



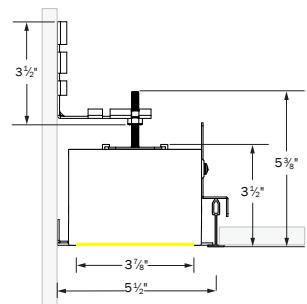
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SLOT
REGRESSED LENS



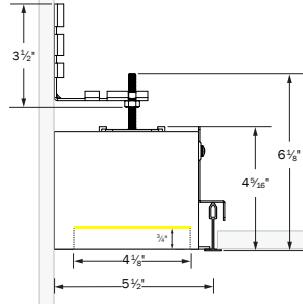
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SLOT
3" REGRESSED LENS



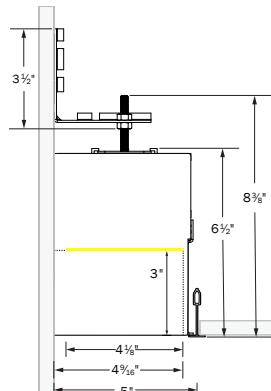
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TGRID 9/16
FLUSH LENS



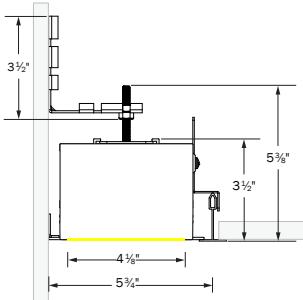
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RECESSED PERIMETER
TGRID 9/16
CONTROL ROLL LENS



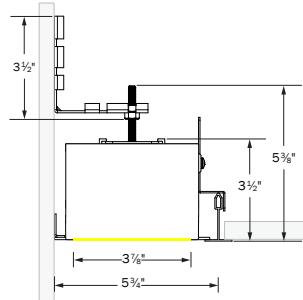
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TGRID 9/16
REGRESSED LENS



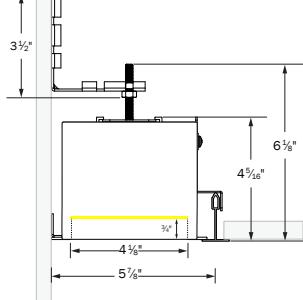
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TGRID 9/16
3" REGRESSED LENS



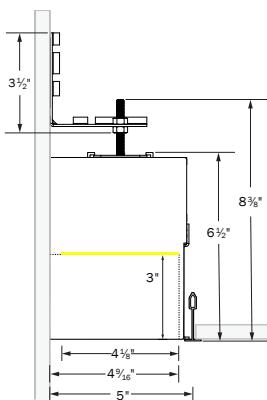
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TGRID 15/16
FLUSH LENS



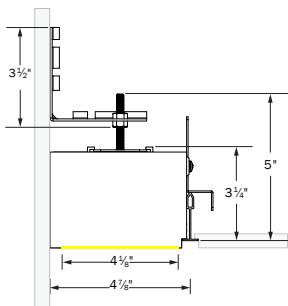
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TGRID 15/16
CONTROL ROLL LENS



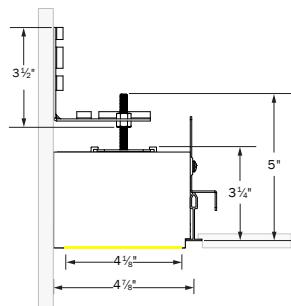
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REGRESSED LENS



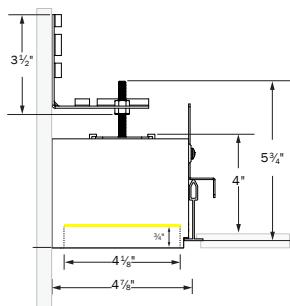
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TGRID 15/16
3" REGRESSED LENS

MECHANICAL DIAGRAMS CONT'D


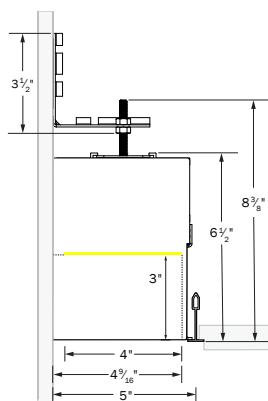
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TEGULAR 9/16
FLUSH LENS



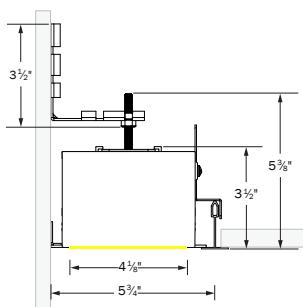
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RECESSED PERIMETER
TEGULAR 9/16
CONTROL ROLL LENS



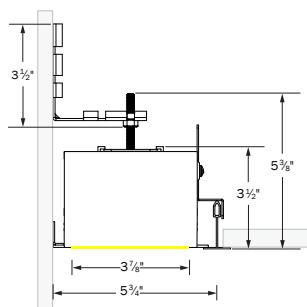
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TEGULAR 9/16
REGRESSED LENS



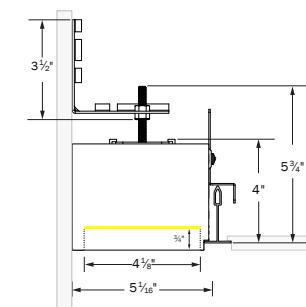
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TEGULAR 9/16
3" REGRESSED LENS



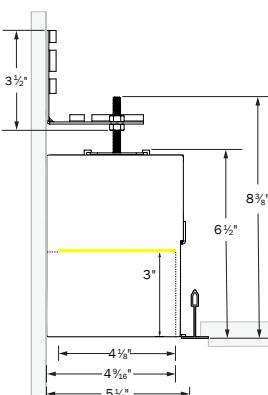
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TEGULAR 15/16
REGRESSED LENS



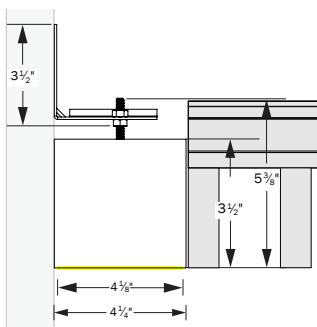
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TEGULAR 15/16
CONTROL ROLL LENS



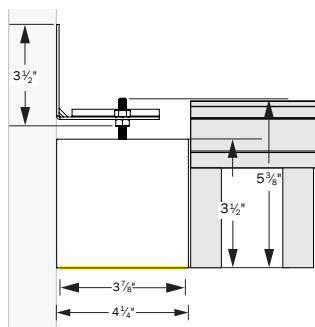
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RECESSED PERIMETER
TEGULAR 15/16
REGRESSED LENS



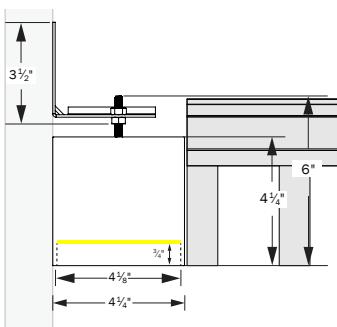
LPX4PG5GN
RECESSED PERIMETER
TEGULAR 15/16
3" REGRESSED LENS



LPX4PAWFN
PERIMETER ARMSTRONG
WOODWORKS® GRILLE CLASSICS
FLUSH LENS



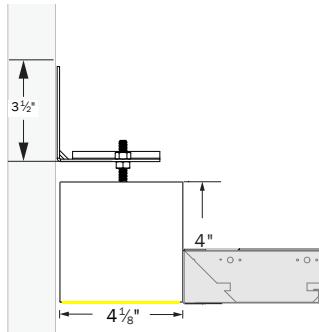
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WOODWORKS® GRILLE CLASSICS
CONTROL ROLL LENS



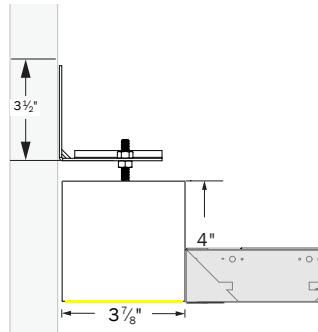
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REGRESSED LENS



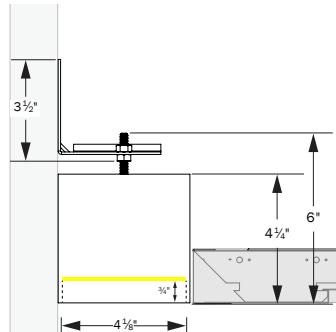
MECHANICAL DIAGRAMS CONT'D



LPX4PAMFN
PERIMETER ARMSTRONG
METALWORKS® LINEAR CLASSICS
FLUSH LENS



LPX4PAMCN
PERIMETER ARMSTRONG
METALWORKS® LINEAR CLASSICS
CONTROL ROLL LENS



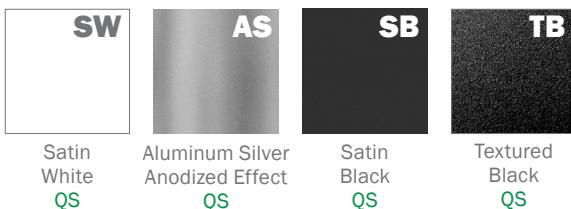
LPX4PAMRN
PERIMETER ARMSTRONG
METALWORKS® LINEAR CLASSICS
REGRESSED LENS



FINISHES

Standard finishes are available at no additional charge.

STANDARD FINISHES - QS ELIGIBLE



SW
Satin
White
QS

AS
Aluminum Silver
Anodized Effect
QS

SB
Satin
Black
QS

TB
Textured
Black
QS

PREMIUM FINISHES

BASIC POWDER COAT

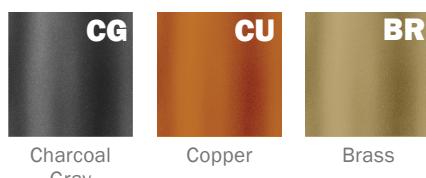


GW
Gloss
White

AW
Antimicrobial
Gloss White

TW
Textured
Matte
White

METALLIC POWDER COAT

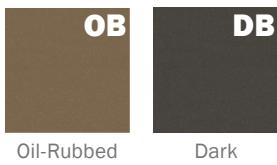


CG
Charcoal
Gray

CU
Copper

BR
Brass

SATIN ANODIZED EFFECT POWDER COAT



OB
Oil-Rubbed
Bronze

DB
Dark
Bronze

GLOSS POWDER COAT (80-95% GLOSS)



GO
Orange
RAL 2003

GR
Red
RAL 3020

GM
Magenta
RAL 4010

GB
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 | 80 90+ | 2700K 3000K 3500K 4000K 5000K |
| | SL (3/4" Regress) | 519 | 119 | 4.35 | | |
| | SL (3" Regress) | 555 | 128 | 4.35 | | |
| 07 ²² | SL | 489 | 113 | 6.27 | 80 90+ | 2700K 3000K 3500K 4000K 5000K |
| | SL (3/4" Regress) | 776 | 117 | 6.27 | | |
| | SL (3" Regress) | 830 | 132 | 6.27 | | |
| 10 ²² | SL | 732 | 117 | 9.0 | 90 | 2700K - 6500K |
| | SL (3/4" Regress) | 1024 | 114 | 9.0 | | |
| | SL (3" Regress) | 1095 | 122 | 9.0 | | |
| 12 ²² | SL | 1047 | 116 | 10.97 | 90 | 2700K - 6500K |
| | 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 | 80+ 90+ | 2700K 3000K 3500K 4000K 5000K |
| | CR AL (Asymmetric) | 582 | 170 | | | |
| | CR LG (LowGlare) | 576 | 168 | | | |
| 07 ²² | CR SL (Lambertian) | 759 | 148 | 5.1 | 80+ 90+ | 2700K 3000K 3500K 4000K 5000K |
| | CR AL (Asymmetric) | 862 | 168 | | | |
| | CR LG (LowGlare) | 853 | 166 | | | |
| 10 ²² | CR SL (Lambertian) | 1025 | 146 | 7.0 | 80+ 90+ | 2700K 3000K 3500K 4000K 5000K |
| | CR AL (Asymmetric) | 1165 | 166 | | | |
| | CR LG (LowGlare) | 1153 | 164 | | | |
| 12 ²² | CR SL (Lambertian) | 1207 | 144 | 8.4 | 80+ 90+ | 2700K 3000K 3500K 4000K 5000K |
| | CR AL (Asymmetric) | 1371 | 164 | | | |
| | CR LG (LowGlare) | 1356 | 162 | | | |
| 15 ²² | CR SL (Lambertian) | 1533 | 142 | 10.8 | 80+ 90+ | 2700K 3000K 3500K 4000K 5000K |
| | 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 | | |

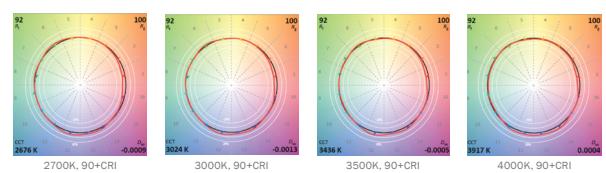
²¹Lumens/Watt and Watts/ft have been calculated assuming a driver efficiency of 85%. Depending on field conditions, actual measured values may fluctuate by 5-8%.

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 |



Rev 122925



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 | | | | | |

* 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](#)

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 - 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](#)

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 - 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.

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).



ADDITIONAL OPTIONS & SPECIFICATIONS

LED PERFORMANCE

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

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

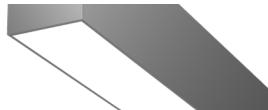
L90 Calculated: 58,000hrs (80CRI), 53,000hrs (90+CRI)

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.



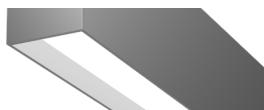
F
STANDARD FLUSH



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.