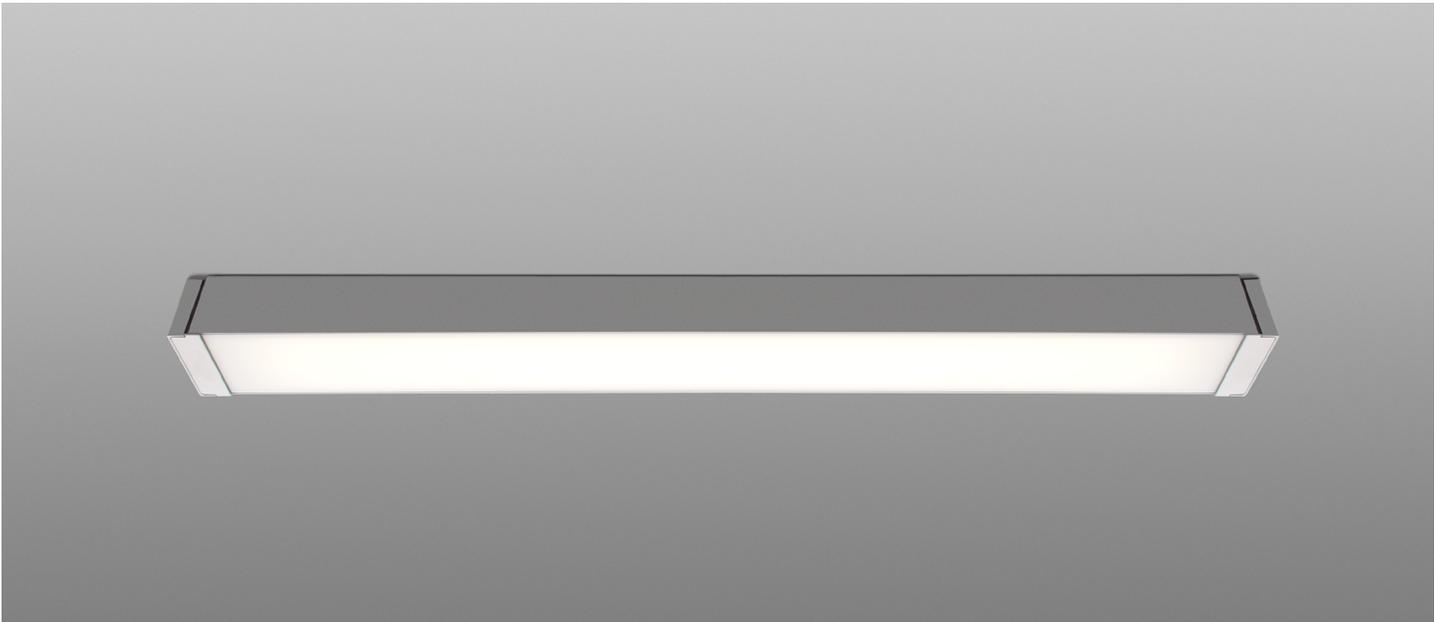




LIGHTPLANE 3.5RWL

LP3.5RWL | RECESSED, WET LOCATION



SPECIFICATIONS

PROFILE	3.5" Aperture
SIZES	Configurable in straight run sections. Longest Uninterrupted Length: 4' Longest Joined Length: 8'
LED OUTPUT	125lm/ft - 1,100lm/ft.
CCT/CRI	2700K/3000K/3500K/4000K • 80 or 90+ CRI Tunable White (2700K - 6500K) • RGB and RGB+W
DIMMING/ DRIVER	Integral Driver: 0-10V, DALI, DMX, eldoLED, Lutron®, PoE (Molex, Igor, NuLEDS). Dimming to 0% for select models.
POWER	3.1W - 10.7W per ft
INPUT	120VAC, 277VAC, or 347VAC
OPTICS	Lambertian distribution
FINISHES	16 powder coat finishes Custom finishes also available
MATERIAL	6061 Extruded Aluminum
ENVIRONMENT	Outdoor, wet location. IP66 rated.

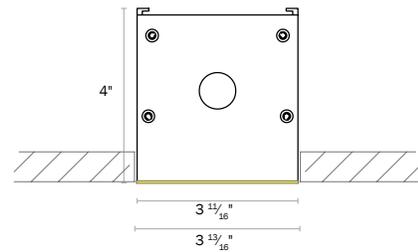
DISTRIBUTIONS & PROFILES



DIRECT



Straight Run (S)



LP3.5RWL

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

*Safety and Performance information available on last page. Output and other specifications available on page 5.



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PRODUCT SPECIFICATION SHEET

1	2	3a	3b	3c	4	5	6	7	8a	8b	8c
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EXAMPLE: LP3.5RWL – S8 – HI/90/3500 – V00 – EXT/F – SW – UNV – EMB/1 – AY/xx – CP

1. BASE MODEL	2. INDIVIDUAL LENGTH* (CHOOSE 1)	3. LED LAMPING (CHOOSE 1 FOR EACH)	4. DRIVER* (CHOOSE 1.)
LP3.5RWL ¹ 3.5" Recessed Direct, Wet Location. ¹ Requires a finished surface opening to exact dimensions. Consult ALW for alternatives.	S2 2' Individual/Straight Run Section S3 3' Individual/Straight Run Section S4 4' Individual/Straight Run Section S5 ² 5' Straight Run (Factory-Joined) Section S6 ² 6' Straight Run (Factory-Joined) Section S7 ² 7' Straight Run (Factory-Joined) Section S8 ² 8' Straight Run (Factory-Joined) Section ² Lengths are nominal and may vary based on lamping and other specification selections. Consult ALW when exact lengths are required. ³ Sections are NOT field-joinable. Longest uninterrupted length is 4'. Longest joined length is 8'. Disassembling fixture will VOID warranty and compromise IP rating.	A. OUTPUT ³ LOW (635 lm/ft) MED (870 lm/ft) HI (1100 lm/ft) RGB (125 lm/ft) TUNE (2700K-6500K, 90 CRI, 416/450 lm/ft) RGBW (3500K, White, 80 CRI, 325 lm/ft) CSTM _____ ⁵ (Enter lumens in product code above Ex. 0100=100lm/ft) B. CRI ⁴ NO CRI/CCT ⁶ 80 90 3000K 3500K 4000K ³ For delivered lumens and watts, see *Performance Details.* ⁴ CRI/CCT options not applicable for TUNE, RGB, or RGBW lamping. ⁵ Consult ALW for custom lumen packages. ⁶ Choose when TUNE, RGB, or RGBW is desired output ⁷ 90CRI only, 2700K is not available in BIOS options.	V00 (0-10V, dim to 0%) V01 (0-10V, dim to 1%) V05 (0-10V, dim to 5%) P01 (ELV/TRIAC Dim to 1%) LDE1 (Lutron ECOSYS1, 0-10V, dim to 1%) TSERIES (Lutron Tuneable White) ELDVO (eldoLED, 0-10V, dim to 0%) ELDDW (eldoLED dim to warm) DALI (DALI, dim to 0%) DMX (DMX, dim to 0%) POEM (POE Molex) POEI (POE IGOR) POEN (POE Nuleds) POE (POE Ready) ⁸ Driver specifications provided upon request. See page 6 for driver details. ⁹ Refer to all 'Driver' and lamping charts for compatibility. ¹⁰ Choose desired PoE solution not listed. Contact customer service to review and confirm the PoE system of your choice.

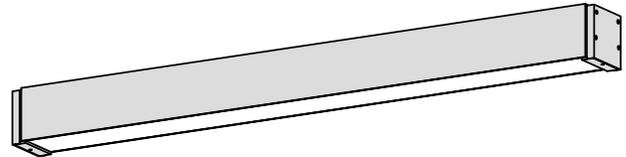
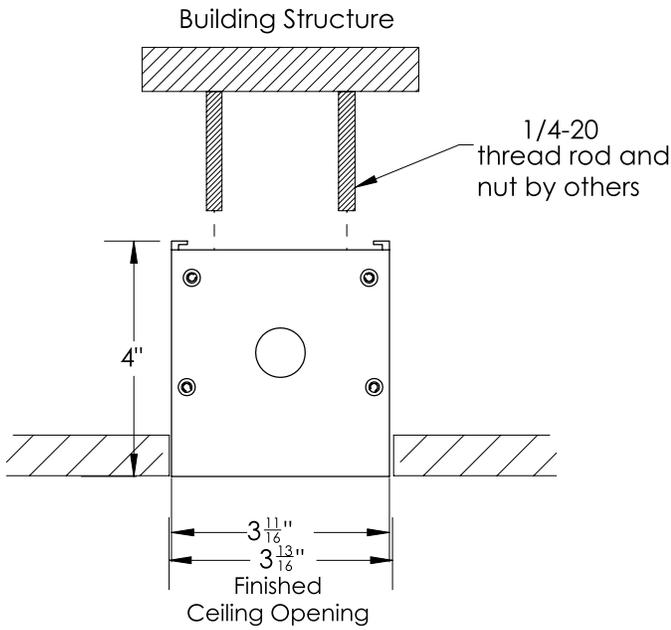
5. LENS* (CHOOSE 1.)	6. FINISHES* (CHOOSE 1)	7. VOLTAGE (CHOOSE 1)	8a. EMERGENCY OPTIONS (OPTIONAL, CHOOSE 1)
EXT Diffuse, flush lens ¹¹ Looking for an asymmetric lens? Refer to ALW's SP2.5R or SP4R fixtures.	STANDARD FINISHES SW <input type="checkbox"/> Satin White SB <input checked="" type="checkbox"/> Satin Black AS <input type="checkbox"/> Aluminum Silver Anodized Effect TB <input checked="" type="checkbox"/> Textured Black PREMIUM FINISHES -- See chart on page 5 for premium finishes. Manually type in the finish code (Ex: OB = Oil-Rubbed Bronze) SPECIAL ORDER FINISHES* RAL _____ Specify RAL Classic Color (Ex: RAL 3003) CCM _____ Custom Color Match ¹² Manually type in the finish code for special order finishes types	UNV Universal Voltage (120VAC-277VAC) 347 347 Volt (Driver options may be limited. Not available with EMB)	EMB/___ ⁹ Emergency Battery (indicate QTY – each battery powers 4ft. section @ 1492lm. Not available in 347 V) EMC/___ ⁹ Emergency Circuit (indicate QTY of 4ft sections to be illuminated by emergency circuit) ¹⁰ For fixtures under 4ft in length, entire fixture will be illuminated with a proportional lumen output. Consult ALW for more details.

8b. CONTROL OPTIONS* (OPTIONAL)	8c. CERTIFICATION OPTIONS
N None FACTORY CONTROLS OS/PH/INT/___ Integral Occupancy/Daylight sensor OS/PH/HV/___ Remote Occupancy/Daylight sensor NETWORK CONTROLS <i>Embedded controls below are placeholder specs. See the ALW Controls Guide to finalize your final control spec.</i> 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 ¹³ Quickship availability on occupancy and photocell daylight sensors may vary. Contact ALW for more information. ¹⁴ Contact ALW for Additional Zone specifications	CP Chicago Plenum Certification

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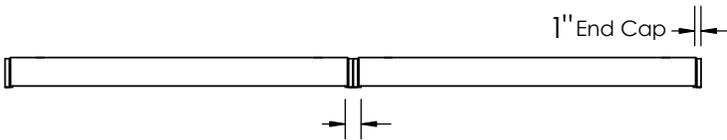
MECHANICAL DIAGRAMS



LP3.5RWL

Lens is flush with ceiling, but end cap extends below ceiling plane, as shown.

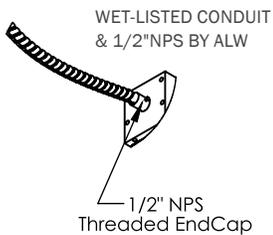
END CAP & FACTORY JOINER ASSEMBLY



2-5/16" FACTORY JOINER ASSEMBLY

(Not Lensed)

POWER FEED



STANDARD -- Power feeds out from end of fixture through the end cap. Consult factory if alternative is required.

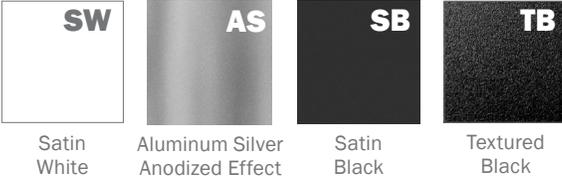
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FINISHES

Standard finishes are available at no additional charge.

STANDARD FINISHES

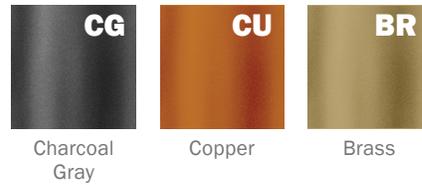


PREMIUM FINISHES

BASIC POWDER COAT



METALLIC POWDER COAT



SATIN ANODIZED EFFECT POWDER COAT



GLOSS POWDER COAT (80-95% GLOSS)



Contact ALW Quotes for sample paint finish swatches.

SPECIAL ORDER FINISHES*



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

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



CUSTOM COLOR MATCH: CCM_ _ _ _

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

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

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



PERFORMANCE DETAILS

OUTPUT	DELIVERED LUMENS/FT	EFFICACY (LM/W)	WATTS/FT ¹⁰	CRI OPTIONS	CCT OPTIONS
LOW¹¹	635	Up to ~103	6.2	80 90	2700K (90CRI Only) 3000K 3500K 4000K 5000K
MED¹¹	870		8.4		
HI¹¹	1100		10.7		
TUNE	WW: 416, CW: 450	Up to ~107	8.4	90+	
RGB¹²	125	N/A	5	N/A	
RGBW¹³	RGB: 122 RGB+W: 325 White Only: 203		5	80 (White Chip)	2700K - 6500K

¹⁰Lumens/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%.

¹¹Performance calculations are based on LM-79 test of HI output at 80 CRI and 4000K. LOW and MED calculations are extrapolated values.

¹²Performance calculations are derived from LM-79 test with all RGB LEDs illuminated (Red, Green, Blue).

¹³Performance calculations are derived from the following LM-79 tests: 1) RGB LEDs illuminated, 2) RGB+W LEDs illuminated, 3) White LED only illuminated.



DRIVERS

PRODUCT CODE	DESCRIPTION
N	None. Choose when indirect lambing is not desired.
V00	0-10V dimming down to 0% (dim to off).
V01	0-10V dimming down to 1%.
V05	0-10V dimming down to 5% (Down to 10% for TUNE lambing).
P01	Driver supports both TRIAC Forward Phase 2-Wire and ELV Reverse Phase 3-Wire dimming controls.
LDE1	(LDE1) Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology.
TSERIES	Lutron T-Series Tunable White Class 2 LED Driver (For use with Lutron Quantum Control Systems)
ELDV0	eldoLED 0/10V dimming down to 0% (when choosing nLight Air integral sensors a compatible eldoLED LEDcode version will be specified)
ELDDW	eldoLED 0/10V dim-to-warm dimming down to 0% (specify with TUNE LED lambing. Driver will be programmed with LightShape dim-to-warm setting)
DALI	DALI flicker-free dimming down to 0%.
DMX	DMX flicker-free dimming down to 0%.
POEM	Molex CoreSync PoE LED Driver. Contact ALW to assist with your project.
POEI	IGOR PoE LED Driver. Contact ALW to assist with your project.
POEN	NuLEDS PoE LED Driver. Contact ALW to assist with your project.
POE	Specify a PoE driver of your choice. Fixture comes with low voltage leads and no LED driver. Contact ALW to assist with 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 today to specify a compatible solution of your choice.

DRIVER/LED LAMPING COMPATIBILITY						
	STD	TUNE	RGB	RGB(W)	CA TITLE 24 JA8/JA10 ¹⁴	IEEE P1789 & HD TV STUDIO ¹⁵
V00	●	●			●	
V01	●	●			●	
V05	●	●			●	
P01	●				●	
LDE1	●				●	●
TSERIES		●			●	●
ELDV0	●	PER REQUEST			●	●
ELDDW		●				
DALI	●	●			●	
DMX	●	●		●	PER REQUEST	PER REQUEST
POEM			PER REQUEST		●	●
POEI			PER REQUEST		●	●
POEN			PER REQUEST		●	●

- - Indicates compatibility
- *Standard lambing (STD) - LOW/MED/HI
- ¹⁴Fixtures specified with 90CRI 2700K, 3000K, 3500K, and 4000K lambing with applicable LED drivers have the ability to conform to California Title 24 JA8 and JA10 Appendices
- ¹⁵The 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

OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC) ¹⁶ (0° - 180°) (90° - 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
EXT/F		6 ft	21.8	1.24 1.24	784.4	1100
		8 ft	12.3			
		10 ft	7.8			
		12 ft	5.4			
		14 ft	4			
		16 ft	3.1			

* Photometric calculations based on HI 4000K 80 CRI fixture combination. Actual results may vary in the field.
 For footcandle and output multipliers refer to the [ALW IES File Multipliers Chart](#).
¹⁶ 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

> 54,000 hours at 70% lumen maintenance, LM80 / TM-21

HOUSING

100% recyclable, extruded architectural grade 6061 aluminum with a 0.08” minimum wall thickness.

LENS OPTIONS

Extruded, twin-layered, high-impact acrylic. EXT is white and extra diffuse with minimal- to no-source visibility.

SAFETY & REGULATORY

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 drivers can conform to IEEE P1789 Flicker Standard: 'IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers .

Contact [ALW customer support](#) today and we can help you with your project requirements.

ETL Listed (U.S. & Canada). Suitable for wet locations. Conforms to UL std. 1598, Luminaires. Certified to CSA std. C22.2#250.0:2008 Ed. 3+G1;G2.

Recessed models are Type IC Rated and suitable for installation with direct contact to building insulation.

WARRANTY

Limited 5-year warranty. Details: alw-inc.com/warranty

IP RATING

Fixture and mounting not rated for high wind environments.

IP 6 6

SOLID OBJECT INGRESS LEVEL	WATER INGRESS LEVEL
6	6
Dust tight	Protected against powerful water jets and heavy seas

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.

CONTROLS, SENSORS, & LED DRIVER

ALW lighting fixtures are intended for use with a wide range of sensors, lighting controls, LED drivers, and building management systems. Our component portfolio is continually expanding to adopt to the latest technologies and specification needs. We currently support integration with Lutron, Enlighted, nLight, Cooper Wavelinx, eldoLED, Molex PoE, NuLEDS PoE, Igor PoE, Osram, Philips, and more. If there's a component or system needed that you don't see on the spec sheet please contact [ALW customer support](#) today so we can review your requirements.

WEIGHT

Approximately 3.5 lbs. per linear foot. Weight may vary depending on mounting and additional options selected.

CHICAGO PLENUM

Recessed fixtures for this product family are available to meet Chicago Plenum certification. For Chicago Plenum options please contact ALW.