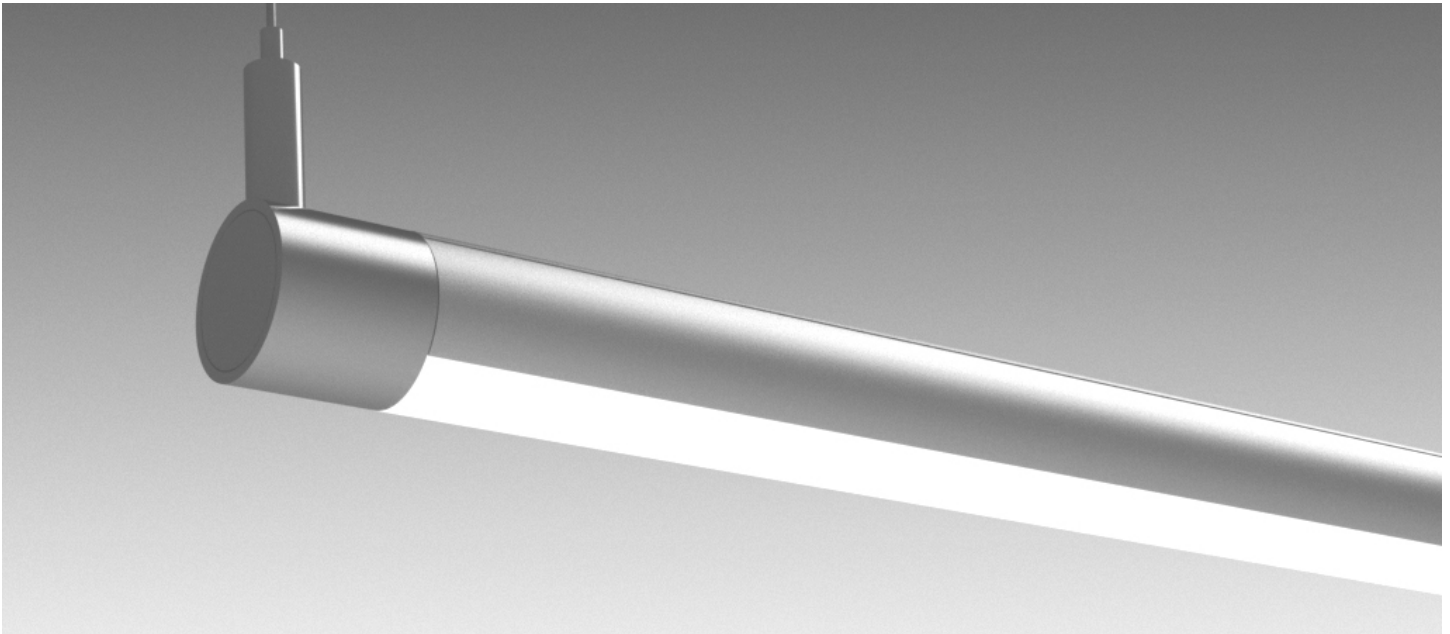




ROUND LIGHTPLANE 1

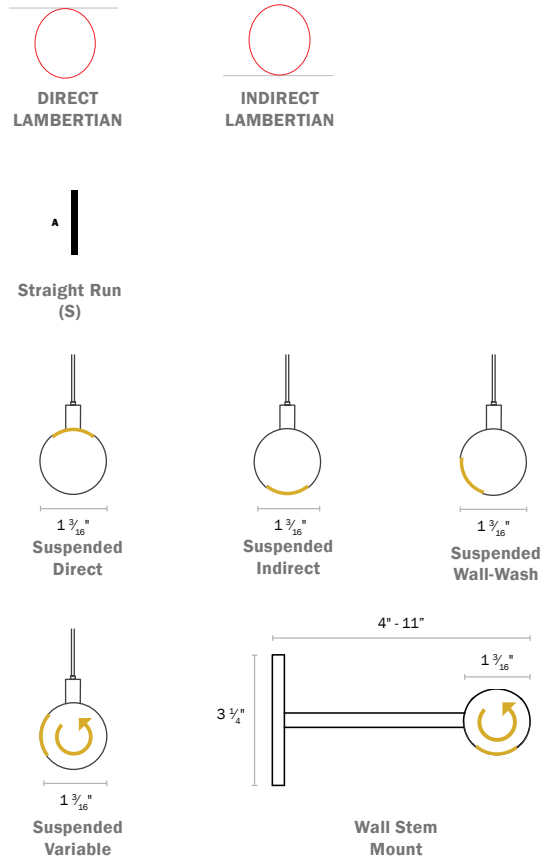
RLP1 | SUSPENDED, WALL



SPECIFICATIONS

PROFILE	1" Diameter Aperture
SIZES	Configurable in straight run sections
LED OUTPUT	325lm/ft - 450lm/ft
CCT/CRI	2700K/3000K/3500K/4000K • 80 or 90 CRI
DIMMING/ DRIVER	Remote Driver: 0-10V, DALI, DMX, Lutron®, PoE (Molex, Igor, NuLEDs). Dimming to 0% for select models.
POWER	4.7W - 6.4W per ft
INPUT	120VAC, 277VAC, or 347VAC
OPTICS	Direct, indirect, wall wash and variable distribution
FINISHES	16 powder coat finishes Custom finishes also available
MATERIAL	6061 Extruded Aluminum
ENVIRONMENT	Dry or damp locations

DISTRIBUTIONS & PROFILES



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: RLP1S – S5 – MED/90/3500 – V01 – EXT – SW – UNV – EMB/1 – AY/xx – SB

1. BASE MODEL (CHOOSE 1)	2. SHAPE/LENGTH* (CHOOSE 1)	3. LED LAMPING* (CHOOSE 1 FOR EACH)	4. DRIVER* (CHOOSE 1)
RLP1S 1" Suspended, rotatable hannel for direct, indirect, wall wash, etc. RLP1SM.4 1" Wall, Stem-Mount, rotatable channel, 4" arms, JBOX-2 canopy (Incl. 2" J-Box) RLP1SM.7 1" Wall, Stem-Mount, rotatable channel, 7" arms, JBOX-2 canopy (Incl. 2" J-Box) RLP1SM.11 1" Wall, Stem-Mount, rotatable channel, 11" arms, JBOX-2 canopy (Incl. 2" J-Box)	S__ Individual/Straight Run Section (enter length in feet in product code above, ex. S5)  (S) <small>*Lengths are nominal and may vary based on lamping and other specification selections. Consult ALW when exact lengths are required. *Shape orientation (Looking from the Ceiling down to the floor)</small>	A. OUTPUT LOW (325 lm/ft) MED (450 lm/ft) ---- (Custom. Enter lumens in product code above. Ex. 0100=100lm/ft) <small>*Consult ALW for custom lumen packages.</small> B. CRI 80 90 C. CCT 2700K 3000K 3500K 4000K	V00 (0-10V, dim to 0%) V01 (0-10V, dim to 1%) V05 (0-10V, dim to 5%) LDE1 (Lutron ECOSYS1, 0-10V, dim to 1%) DALI (DALI, dim to 0%) DMX (DMX, dim to 0%) POEM (POE Molex) POEI (POE IGOR) POEN (POE Nuleds) POE* (POE Ready) <small>*See "Driver" and lamping charts for driver details and compatibility. *Choose desired PoE solution not listed. Contact customer service to review and confirm the PoE system of your choice.</small>

5. LENS*	6. FINISHES* (CHOOSE 1)	7. VOLTAGE (CHOOSE 1)	8a. EMERGENCY OPTIONS (OPTIONAL, CHOOSE 1)
EXT Extra diffuse	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 4 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 <small>*Manually type in the finish code for special order finishes types</small>	UNV Universal Voltage (120VAC-277VAC) 347 347 Volt (Driver options may be limited. Not available with EMB)	EMB/___ ² Emergency Battery (indicate QTY – each battery powers 4ft. section @ 1492lm. Not available in 347 V) EMC/___ ² Emergency Circuit (indicate QTY of 4ft sections to be illuminated by emergency circuit) <small>²For fixtures under 4ft in length, entire fixture will be illuminated with a proportional lumen output. Consult ALW for more details.</small>

8b. CONTROL OPTIONS* (OPTIONAL)	8c. ADDITIONAL OPTIONS (OPTIONAL)
---------------------------------	-----------------------------------

N None
SB Seismic Bracing

FACTORY CONTROLS
OS/PH/INT/___ Integral Occupancy/Daylight sensor
OS/PH/HV/___ Remote Occupancy/Daylight sensor

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

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

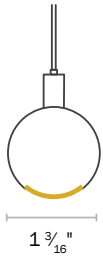
*Quickship availability on occupancy and photocell daylight sensors may vary. Contact ALW for more information.
 *Contact ALW for Additional Zone specifications

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MECHANICAL DIAGRAMS

SUSPENDED



RLP1S
DIRECT



RLP1S
INDIRECT



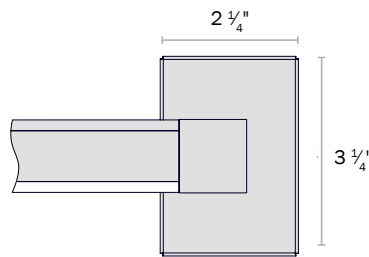
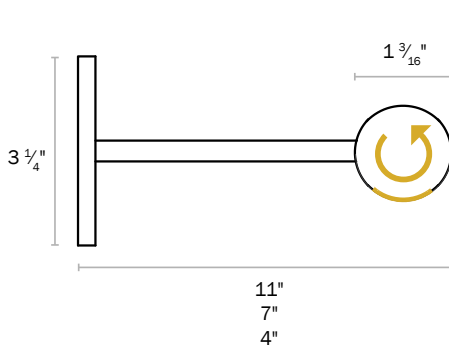
RLP1S
WALL WASH



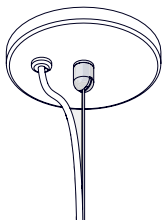
RLP1S
VARIABLE

STEM-MOUNT RLP1SM

(CANOPY WITH INTEGRAL SPLICE BOX PROVIDED BY ALW)

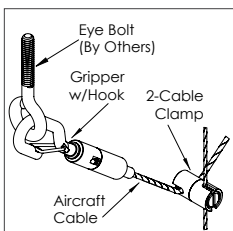


SUSPENSION MOUNTING OPTIONS



CEILING HARDWARE

- 4.5" canopy per power feed location. Canopy finish is always white. Contact ALW for alternate colors.
- Bullet mount,
- 8' aircraft cable
- 2" canopy (for use with T-bar mounting) per suspension point



SEISMIC BRACING (SB)

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

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FINISHES

Standard finishes are available at no additional charge.

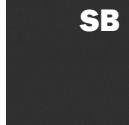
STANDARD FINISHES



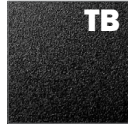
Satin
White



Aluminum Silver
Anodized Effect



Satin
Black



Textured
Black

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

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 DETAILS³

OUTPUT	DELIVERED LUMENS/FT	EFFICACY (LM/W)	WATTS/FT ⁴	CRI OPTIONS	CCT OPTIONS
LOW	325	70	4.7	80 90	2700K 3000K 3500K 4000K
MED	450		6.4		

³ Performance calculations are extrapolated estimates based on actual test data of MED output at 3500K.

⁴ 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%.

ROUND LIGHTPLANE 1 VOLTAGE DROP CHART FOR REMOTE DRIVERS - WHITE LED, 28VDC

The below table should be used as a general guide to calculate the maximum run length between the luminaire and the remote driver. See alwusa.com/voltage-drop-calculator/ to calculate maximum recommended run length for specific wattages. Please note that the provided values are estimates only, and may vary depending on various factors such as temperature, wire/connector quality, etc. Each remote driver powers either a 2ft, 3ft, or 4ft section, intermediate lengths are typically powered using a combination of these lengths (e.g. 8ft is two 4ft sections). In this case, use 4ft for wattage calculations.

WIRE GAUGE	10W 0.61A	20W 0.61A	30W 0.91A	40W 1.21A	50W 1.52A
18 AWG	176 ft.	84 ft.	53 ft.	38 ft.	28 ft.
16 AWG	284 ft.	138 ft.	89 ft.	65 ft.	50 ft.
14 AWG	457 ft.	224 ft.	147 ft.	108 ft.	85 ft.
12 AWG	732 ft.	362 ft.	238 ft.	177 ft.	140 ft.
10 AWG	1169 ft.	580 ft.	384 ft.	286 ft.	227 ft.

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DRIVERS

PRODUCT CODE	DESCRIPTION
V00	0-10V dimming down to 0%
V01	0-10V dimming down to 1%
V05	0-10V dimming down to 5%
DALI	DALI flicker-free dimming down to 0%.
DMX	DMX flicker-free dimming down to 0%.
LDE1	ECOSYS1, (LDE1) Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
POEM	POE MOLEX. Molex CoreSync PoE LED Driver dimming down to 0.1%
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	PoE Ready 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*	CA TITLE 24 JA8/JA10 ⁵	IEEE P1789 & HD TV STUDIO ⁶
V00	●	●	
V01	●	●	
V05	●	●	
DALI	●	●	●
DMX	●	●	
LDE1	●	●	●
POEM	●	PER REQUEST	PER REQUEST
POEI	PER REQUEST	●	●
POEN	PER REQUEST	●	●
POE	PER REQUEST	●	●

● - Indicates compatibility

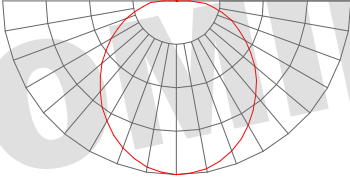
*Standard lamping (STD) - LOW/MED

⁵ 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

⁶ 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

OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC) ⁷ (0° - 180°) (90° - 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
EXT		6 ft	-	-	-	450
		8 ft	-			
		10 ft	-			
		12 ft	-			
		14 ft	-			
		16 ft	-			

* Photometric calculations based on MED 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](#)

⁷ 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

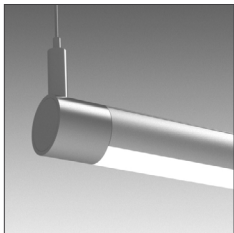
Remote driver
> 54,000 hours at 70% lumen maintenance, LM80 / TM-21

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.



EXT Lens

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 dry or damp locations. Conforms to UL std. 2108, Luminaires. Certified to CSA std. C22.2#250.0:2008 Ed. 3+G1;G2.

WARRANTY

Limited 11-year warranty. Details: alw-inc.com/warranty

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.

POWER CABLES

Power cables come standard in a transparent sheathing to match steel aircraft suspension cables. Please contact customer support if custom cables are required for your application. Power cables cannot be swapped in the field as it will void the ETL Safety Listing and Product Warranty.



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 0.8 lbs. per linear foot (not including downlight option). Weight may vary depending on mounting, downlight, and additional options selected.